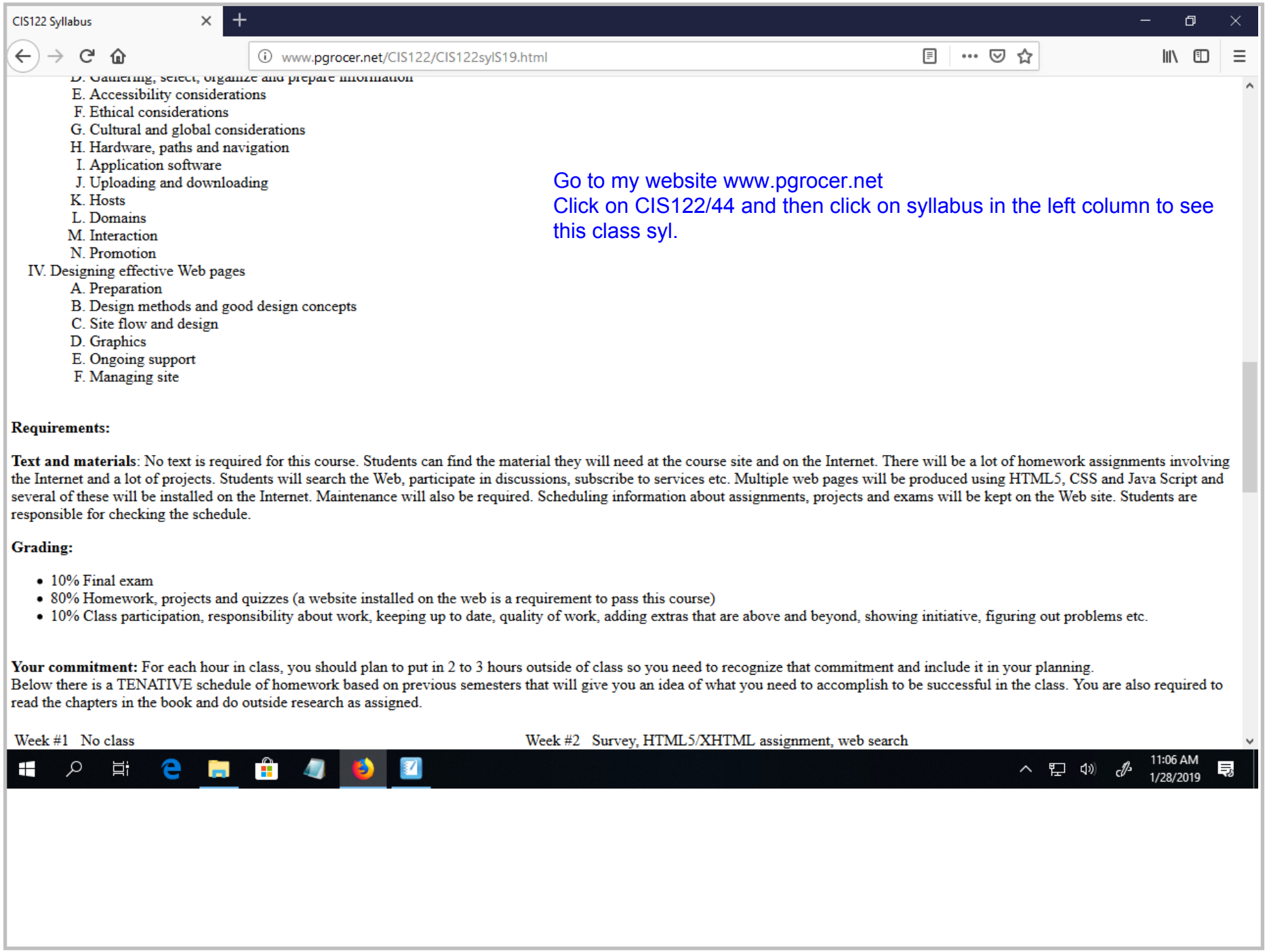
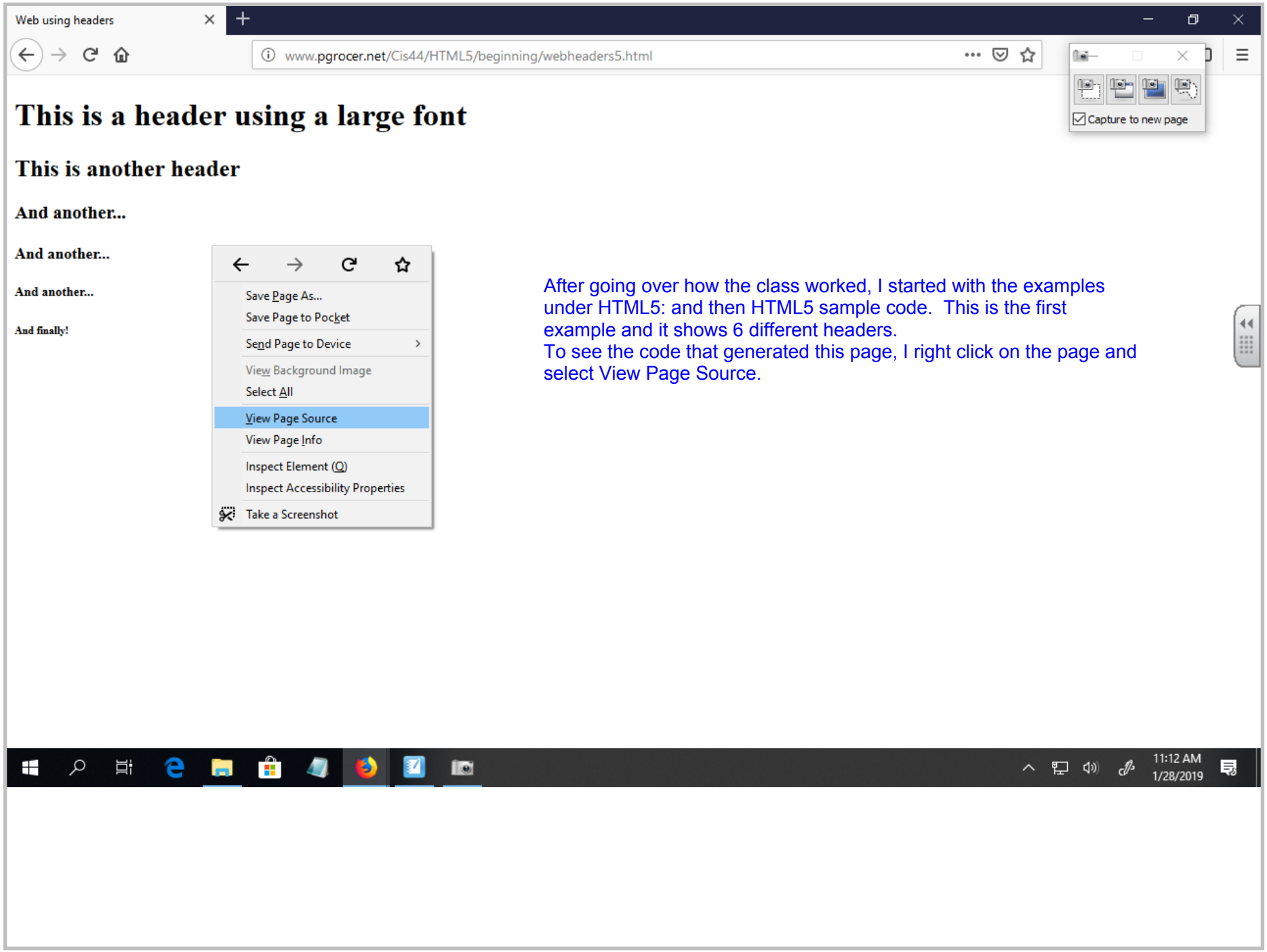
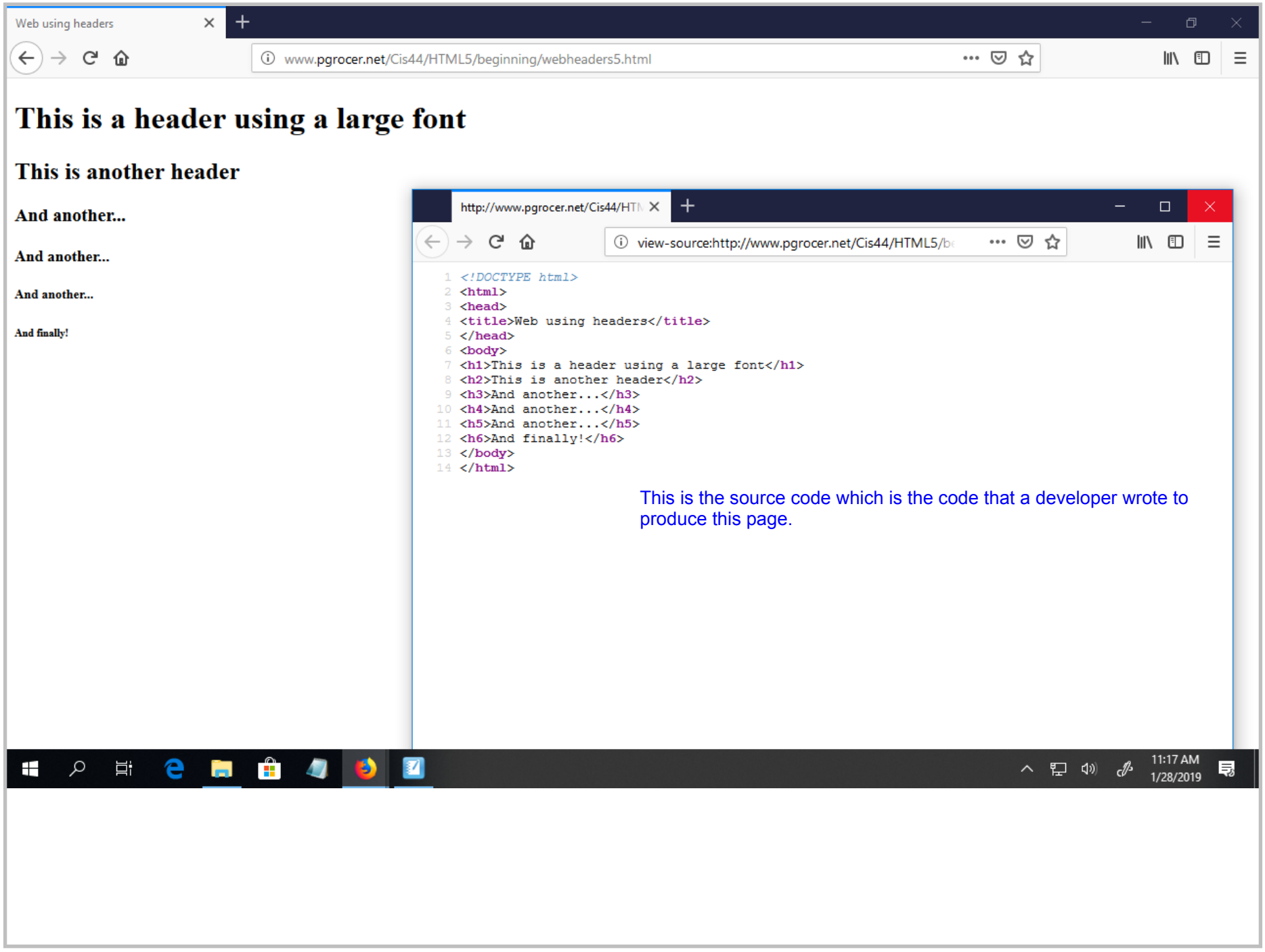

CIS122 Syllabus
www.pgrocer.net/CIS122/CIS122sylS19.html
D. Gathering, select, organize and prepare information
E. Accessibility considerations
F. Ethical considerations
G. Cultural and global considerations
H. Hardware, paths and navigation
I. Application software
J. Uploading and downloading
K. Hosts
L. Domains
M. Interaction
N. Promotion
IV. Designing effective Web pages
A. Preparation
B. Design methods and good design concepts
C. Site flow and design
D. Graphics
E. Ongoing support
F. Managing site
Go to my website www.pgrocer.net
Click on CIS122/44 and then click on syllabus in the left column to see this class syl.
Requirements:
Text and materials: No text is required for this course. Students can find the material they will need at the course site and on the Internet. There will be a lot of homework assignments involving the Internet and a lot of projects. Students will search the Web, participate in discussions, subscribe to services etc. Multiple web pages will be produced using HTML5, CSS and Java Script and several of these will be installed on the Internet. Maintenance will also be required. Scheduling information about assignments, projects and exams will be kept on the Web site. Students are responsible for checking the schedule.
Grading:
10% Final exam
80% Homework, projects and quizzes (a website installed on the web is a requirement to pass this course)
10% Class participation, responsibility about work, keeping up to date, quality of work, adding extras that are above and beyond, showing initiative, figuring out problems etc.
Your commitment: For each hour in class, you should plan to put in 2 to 3 hours outside of class so you need to recognize that commitment and include it in your planning.
Below there is a TENATIVE schedule of homework based on previous semesters that will give you an idea of what you need to accomplish to be successful in the class. You are also required to read the chapters in the book and do outside research as assigned.
Week #1 No class
Week #2 Survey, HTML5/XHTML assignment, web search
11:06 AM
1/28/2019



After going over how the class worked, I started with the examples under HTML5: and then HTML5 sample code. This is the first example and it shows 6 different headers.
To see the code that generated this page, I right click on the page and select View Page Source.


Web using headers
www.pgrocer.net/Cis44/HTML5/beginning/webheaders5.html
This is a header using a large font
This is another header
And another...
And another...
And another...
And finally!
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<title>Web using headers</title>
</head>
<body>
<h1>This is a header using a large font</h1>
<h2>This is another header</h2>
<h3>And another...</h3>
<h4>And another...</h4>
<h5>And another...</h5>
<h6>And finally!</h6>
</body>
</html>
This is the source code which is the code that a developer wrote to produce this page.
11:17 AM
1/28/2019

Headers | http://www.pgrocer.net/Cis44/HTM | SMART Ink

view-source:http://www.pgrocer.net/Cis44/HTML5/beginning/HTML5headers.html

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Headers</title>
5  </head>
6  <body>
7  <h1>H1 header is first in the group</h1>
8  <h2>H2 header is second in the group</h2>
9  <h3>H3 header is third in the group</h3>
10 <h4>H4 header is fourth in the group</h4>
11 <h5>H5 header is fifth in the group</h5>
12 <h6>H6 header is sixth in the group</h6>
13 <p>This is a paragrah that is being used to show how the code written in a
14 paragraph will wrap when you reach the end of the line.  When that wrap will
15 occur depends how wide the screen is and the size of the font etc. I hope that
16 I have written enough to make it wrap.<br>
17 Now I want to mention the hgroup which is used to group headers. It is not
18 required as you will see in the next version of this code.  Notice also the
19 break between the sentences. In HTML and HTML5 this can simply be written as
20 &lt;br&gt;. In XHTML it had to be written as &lt;br /&gt; because it XHTML
21 you needed to have self-closing tags written with the space and then the slash.
22 The break is a self closing tag as opposed to the h1 tag which as both an
23 opening and a closing tag: &lt;h1&gt; is the opening tag and &lt;/h1&gt; is the
24 closing tag.  Notice that I am using &lt; to represent the less than symbol
25 when it is not being part of a tag I am using and &gt; to represent the
26 greater than symbol. To truly see what I am saying, please look at the source
27 code.</p>
28 </body>
29 </html>
```

XHTML

< br/>

Note that the version of html named XHTML needed a close on everything so the made the close on <br> be

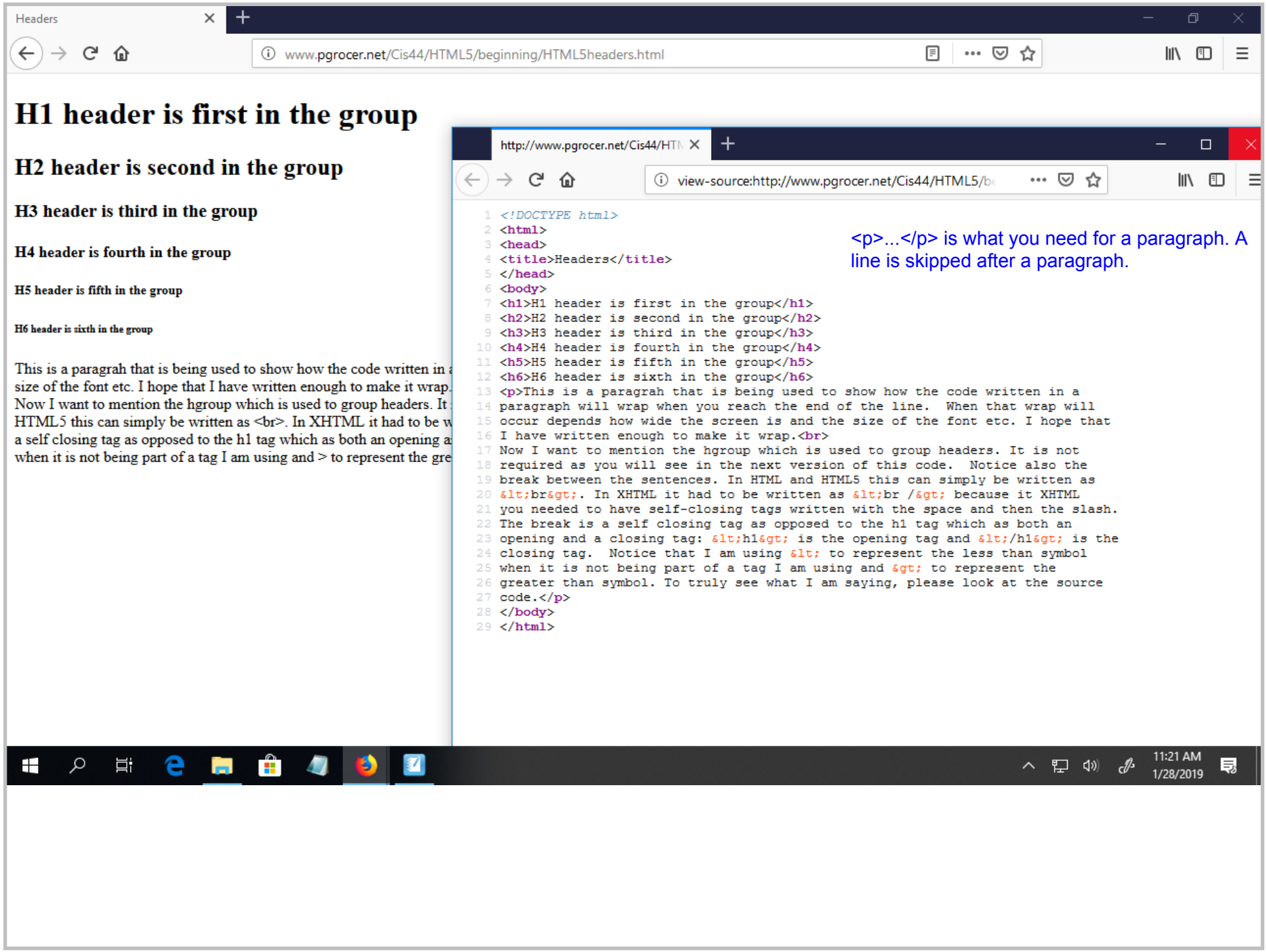
< hi >

|

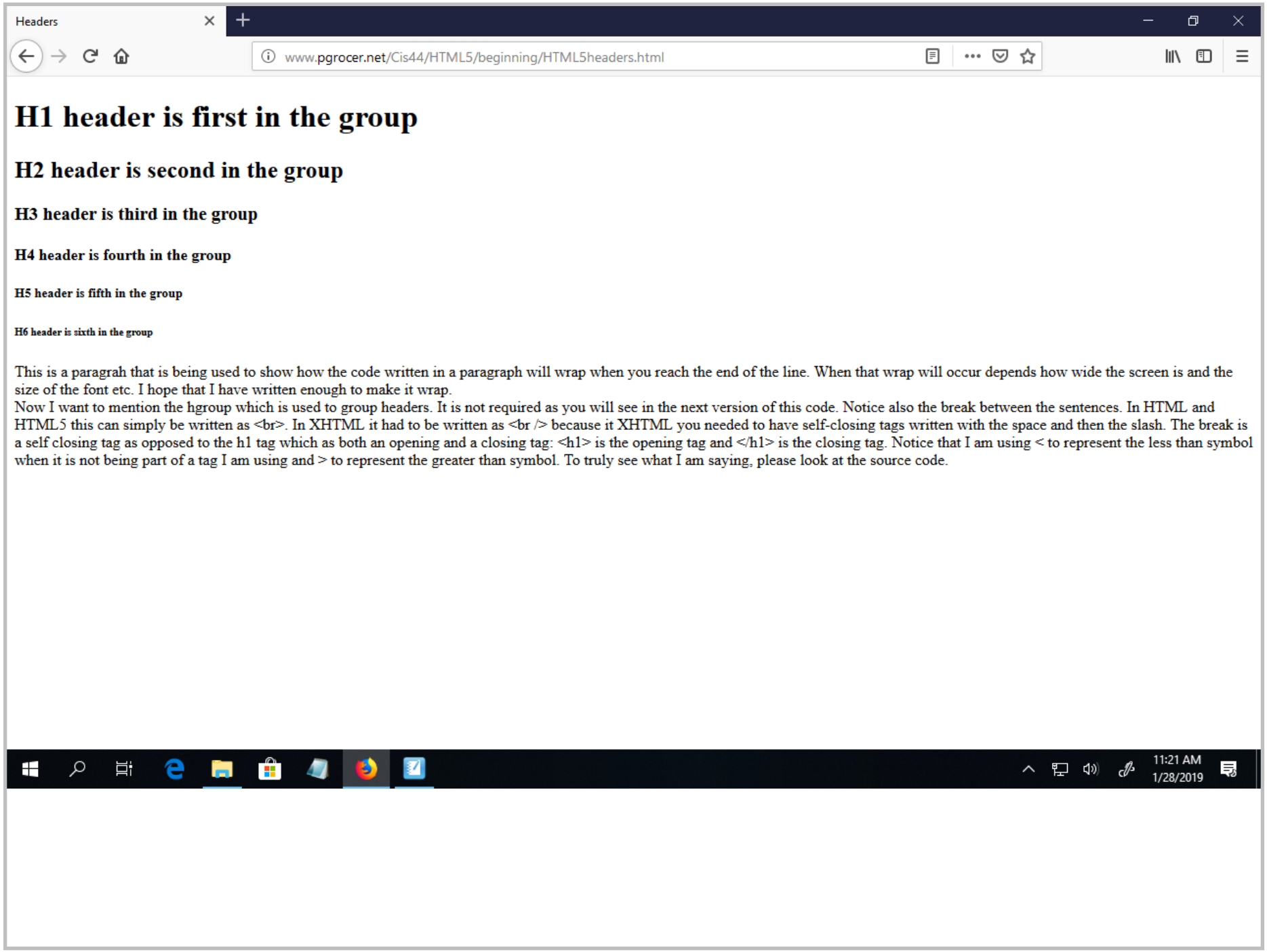
<hi>

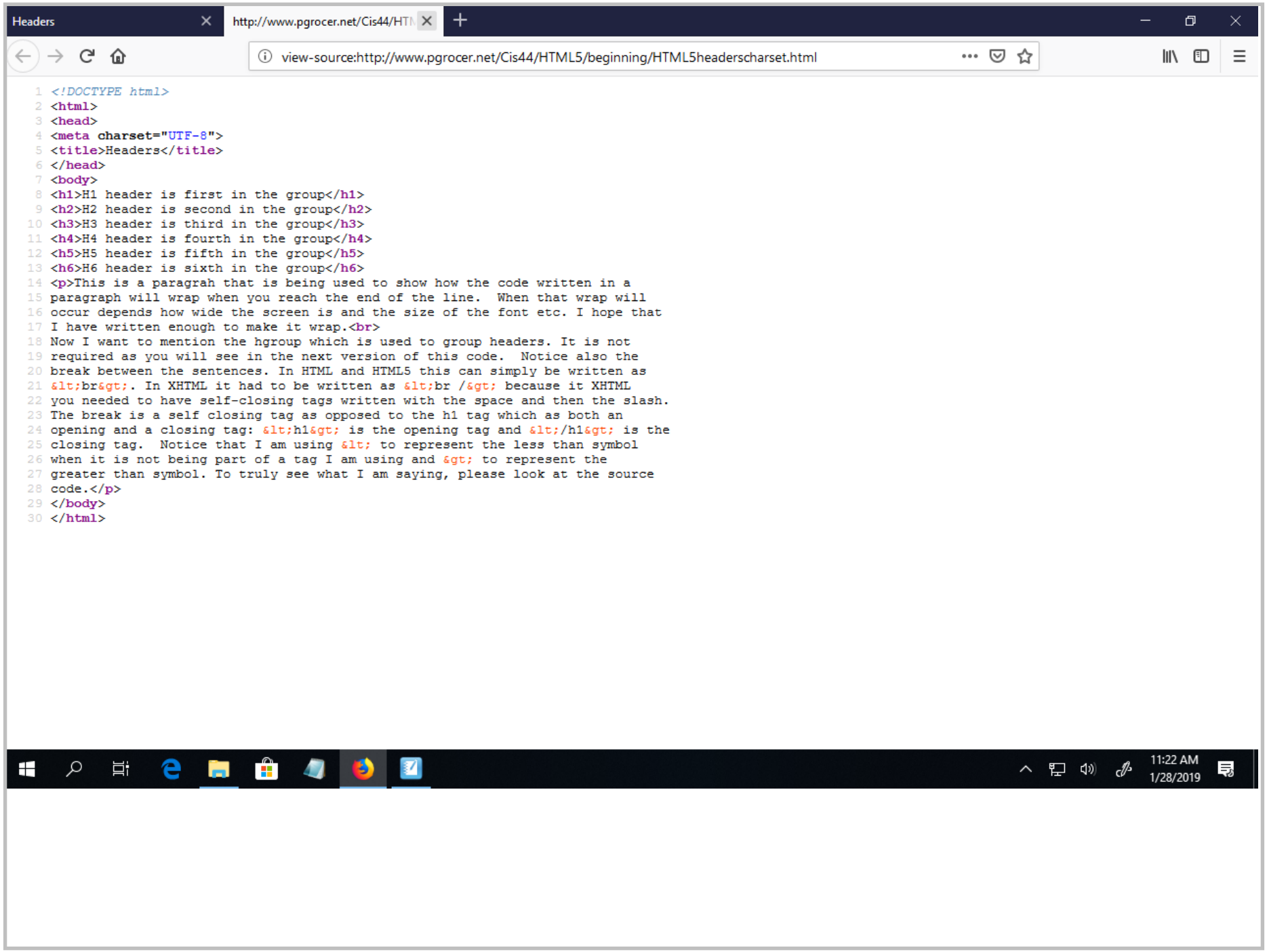
Special characters like < can be written as < and > can be written as >

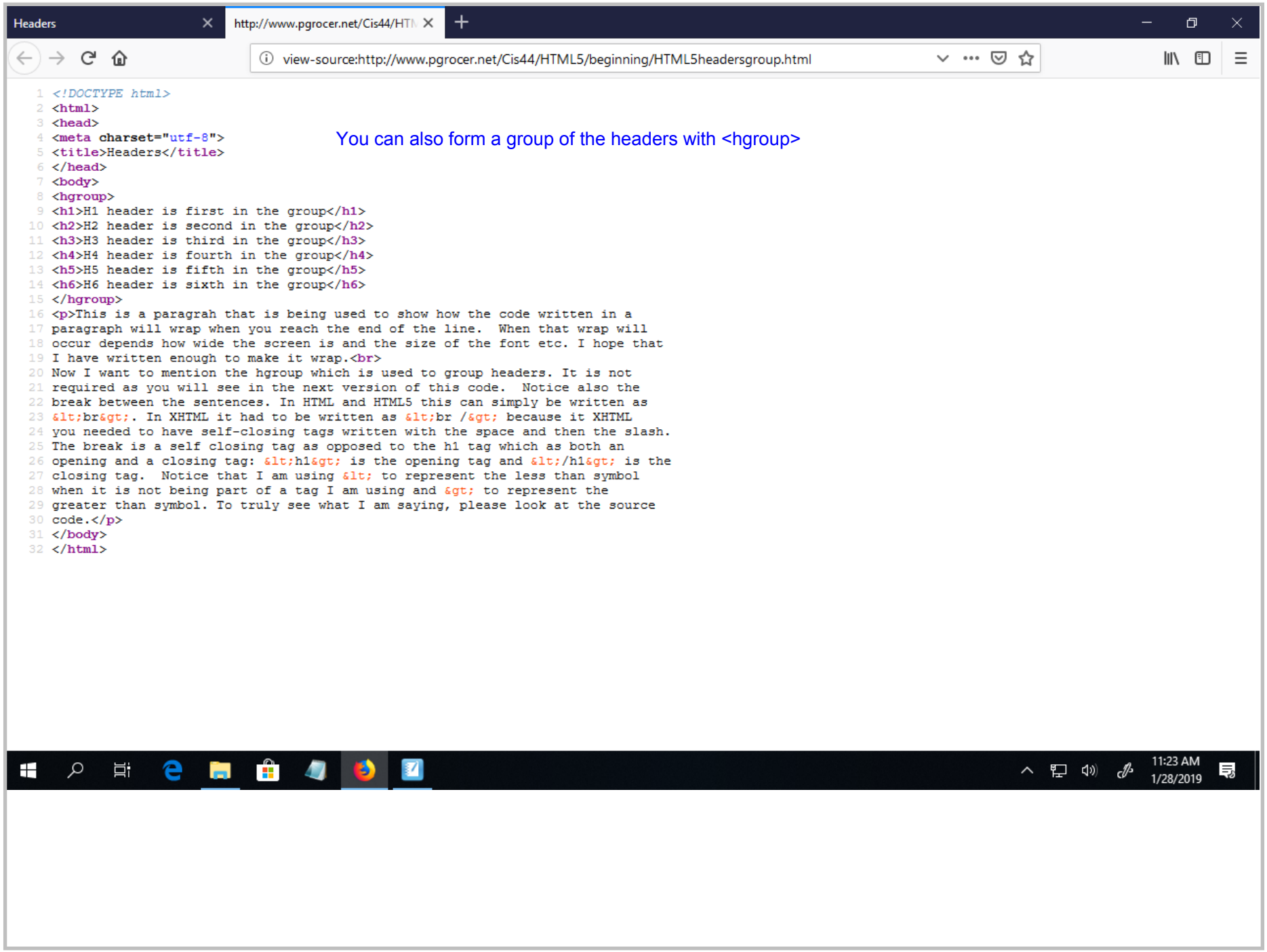
11:20 AM
1/28/2019



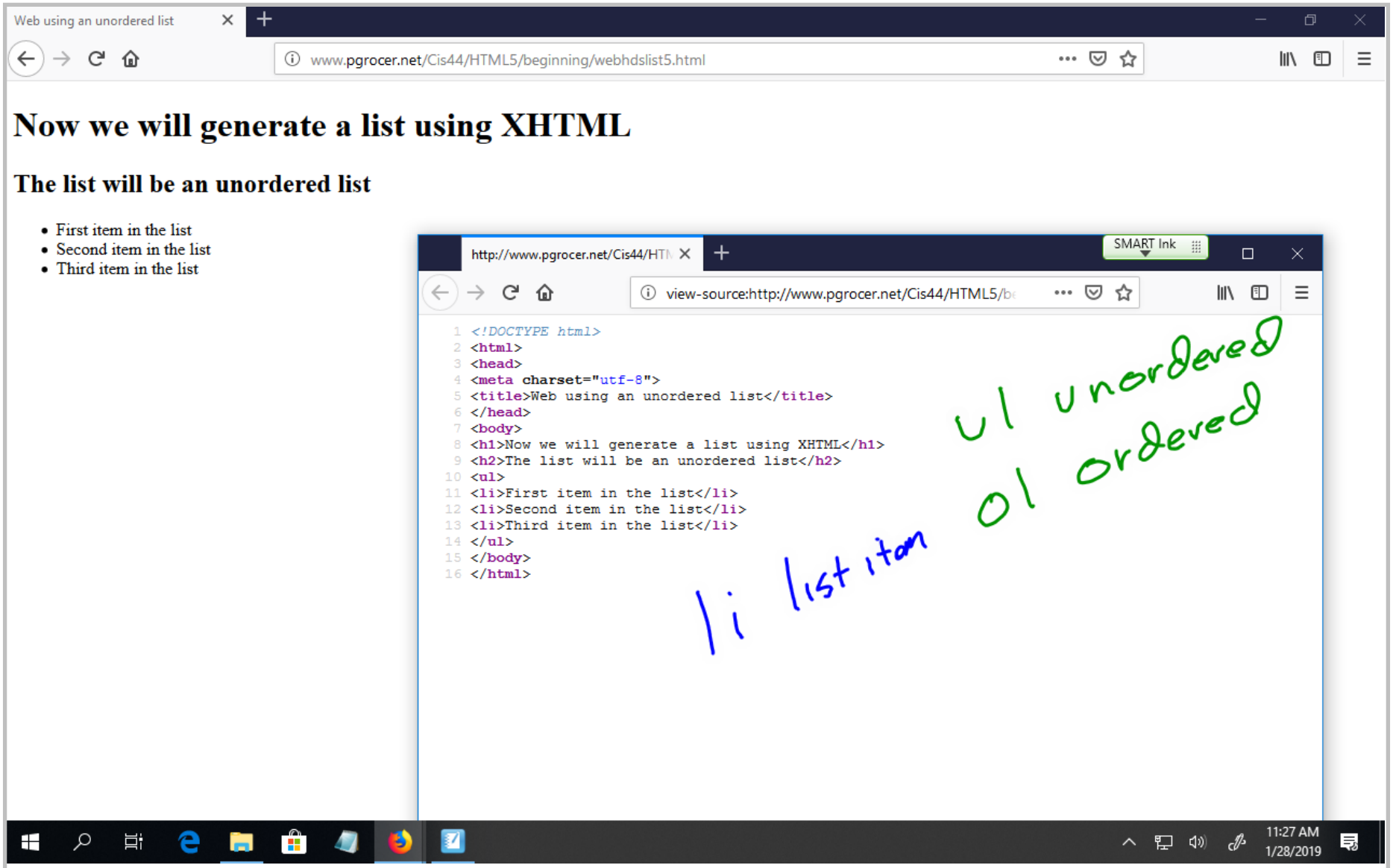

```
<!DOCTYPE html>
<html>
<head>
<title>Headers</title>
</head>
<body>
<h1>H1 header is first in the group</h1>
<h2>H2 header is second in the group</h2>
<h3>H3 header is third in the group</h3>
<h4>H4 header is fourth in the group</h4>
<h5>H5 header is fifth in the group</h5>
<h6>H6 header is sixth in the group</h6>
<p>This is a paragrah that is being used to show how the code written in a
paragraph will wrap when you reach the end of the line.  When that wrap will
occur depends how wide the screen is and the size of the font etc. I hope that
I have written enough to make it wrap.<br>
Now I want to mention the hgroup which is used to group headers. It is not
required as you will see in the next version of this code.  Notice also the
break between the sentences. In HTML and HTML5 this can simply be written as
&lt;br&gt;. In XHTML it had to be written as &lt;br /&gt; because it XHTML
you needed to have self-closing tags written with the space and then the slash.
The break is a self closing tag as opposed to the h1 tag which as both an
opening and a closing tag: &lt;h1&gt; is the opening tag and &lt;/h1&gt; is the
closing tag.  Notice that I am using &lt; to represent the less than symbol
when it is not being part of a tag I am using and &gt; to represent the
greater than symbol. To truly see what I am saying, please look at the source
code.</p>
</body>
</html>
```


Headers
www.pgrocer.net/Cis44/HTML5/beginning/HTML5headers.html
H1 header is first in the group
H2 header is second in the group
H3 header is third in the group
H4 header is fourth in the group
H5 header is fifth in the group
H6 header is sixth in the group
This is a paragrah that is being used to show how the code written in a paragraph will wrap when you reach the end of the line. When that wrap will occur depends how wide the screen is and the size of the font etc. I hope that I have written enough to make it wrap.
Now I want to mention the hgroup which is used to group headers. It is not required as you will see in the next version of this code. Notice also the break between the sentences. In HTML and HTML5 this can simply be written as <br>. In XHTML it had to be written as <br /> because it XHTML you needed to have self-closing tags written with the space and then the slash. The break is a self closing tag as opposed to the h1 tag which as both an opening and a closing tag: <h1> is the opening tag and </h1> is the closing tag. Notice that I am using < to represent the less than symbol when it is not being part of a tag I am using and > to represent the greater than symbol. To truly see what I am saying, please look at the source code.
11:21 AM
1/28/2019


Headers
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/beginning/HTML5headerscharset.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="UTF-8">
5 <title>Headers</title>
6 </head>
7 <body>
8 <h1>H1 header is first in the group</h1>
9 <h2>H2 header is second in the group</h2>
10 <h3>H3 header is third in the group</h3>
11 <h4>H4 header is fourth in the group</h4>
12 <h5>H5 header is fifth in the group</h5>
13 <h6>H6 header is sixth in the group</h6>
14 This is a paragrah that is being used to show how the code written in a
15 paragraph will wrap when you reach the end of the line. When that wrap will
16 occur depends how wide the screen is and the size of the font etc. I hope that
17 I have written enough to make it wrap.
18 Now I want to mention the hgroup which is used to group headers. It is not
19 required as you will see in the next version of this code. Notice also the
20 break between the sentences. In HTML and HTML5 this can simply be written as
21 <br>. In XHTML it had to be written as <br /> because it XHTML
22 you needed to have self-closing tags written with the space and then the slash.
23 The break is a self closing tag as opposed to the h1 tag which as both an
24 opening and a closing tag: <h1> is the opening tag and </h1> is the
25 closing tag. Notice that I am using < to represent the less than symbol
26 when it is not being part of a tag I am using and > to represent the
27 greater than symbol. To truly see what I am saying, please look at the source
28 code.
29 </body>
30 </html>
11:22 AM
1/28/2019

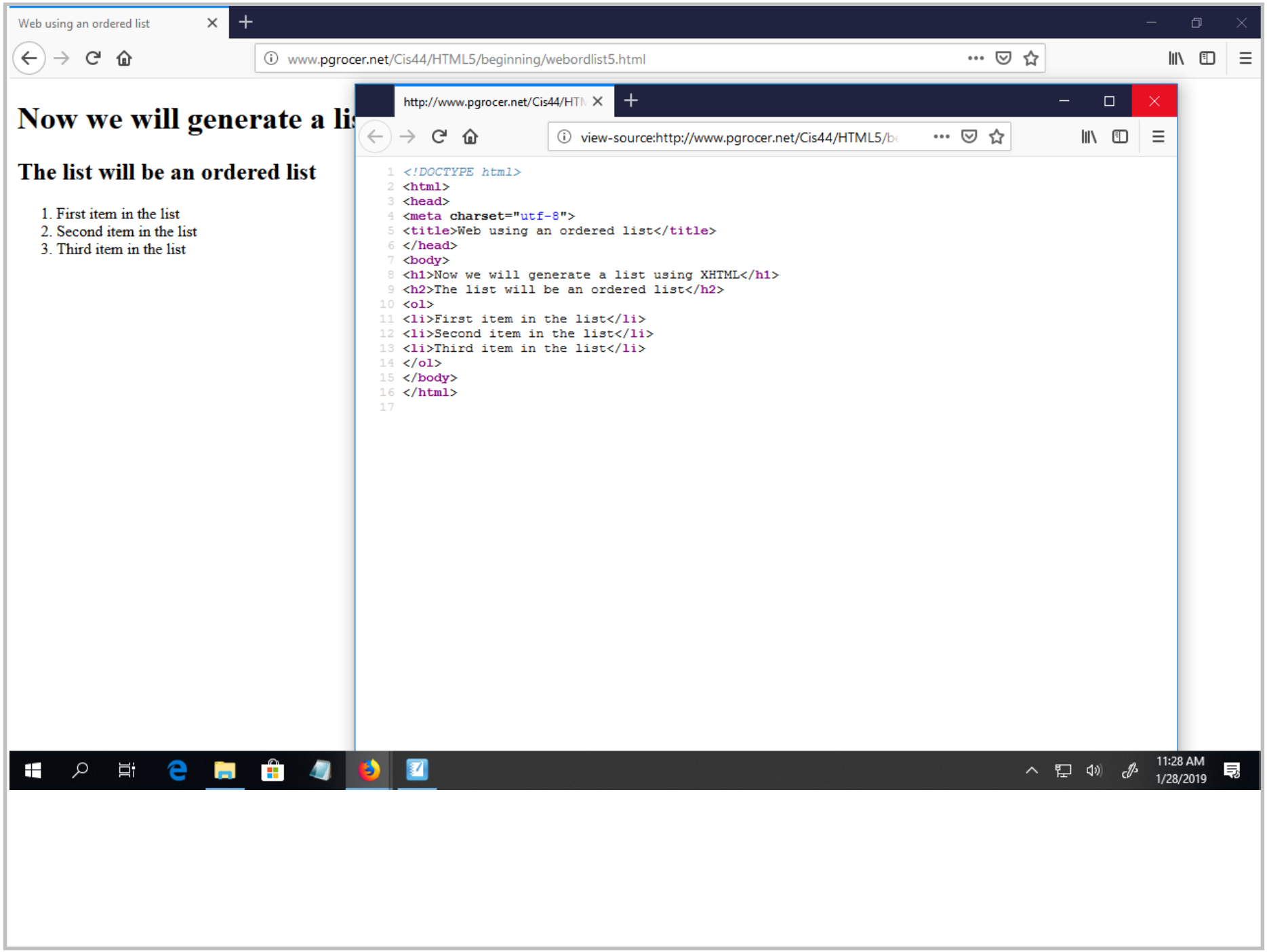



```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Headers</title>
</head>
<body>
<hgroup>
<h1>H1 header is first in the group</h1>
<h2>H2 header is second in the group</h2>
<h3>H3 header is third in the group</h3>
<h4>H4 header is fourth in the group</h4>
<h5>H5 header is fifth in the group</h5>
<h6>H6 header is sixth in the group</h6>
</hgroup>
<p>This is a paragrah that is being used to show how the code written in a
paragraph will wrap when you reach the end of the line.  When that wrap will
occur depends how wide the screen is and the size of the font etc. I hope that
I have written enough to make it wrap.<br>
Now I want to mention the hgroup which is used to group headers. It is not
required as you will see in the next version of this code.  Notice also the
break between the sentences. In HTML and HTML5 this can simply be written as
&lt;br&gt;. In XHTML it had to be written as &lt;br /&gt; because it XHTML
you needed to have self-closing tags written with the space and then the slash.
The break is a self closing tag as opposed to the h1 tag which as both an
opening and a closing tag: &lt;h1&gt; is the opening tag and &lt;/h1&gt; is the
closing tag.  Notice that I am using &lt; to represent the less than symbol
when it is not being part of a tag I am using and &gt; to represent the
greater than symbol. To truly see what I am saying, please look at the source
code.</p>
</body>
</html>
```


Web using an unordered list
www.pgrocer.net/Cis44/HTML5/beginning/webhdslist5.html
Now we will generate a list using XHTML
The list will be an unordered list
First item in the list
Second item in the list
Third item in the list
http://www.pgrocer.net/Cis44/HT
SMART Ink
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Web using an unordered list</title>
</head>
<body>
<h1>Now we will generate a list using XHTML</h1>
<h2>The list will be an unordered list</h2>

First item in the list
Second item in the list
Third item in the list

</body>
</html>
ul unordered
ol ordered
li list item
11:27 AM
1/28/2019


Web using an ordered list
www.pgrocer.net/Cis44/HTML5/beginning/webordlist5.html
Now we will generate a li
The list will be an ordered list
1. First item in the list
2. Second item in the list
3. Third item in the list
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Web using an ordered list</title>
</head>
<body>
<h1>Now we will generate a list using XHTML</h1>
<h2>The list will be an ordered list</h2>

First item in the list
Second item in the list
Third item in the list

</body>
</html>
11:28 AM
1/28/2019

Web using paragraphs

www.pgrocer.net/Cis44/HTML5/beginning/webpara5.html

Now we will code some paragraphs

This is the first paragraph. Notice that XHTML and HTML do not wrap when I go down to the next line. They wrap when they need to based on the screen. Notice that I have now moved down to the next line. XHTML and HTML did not move to the next line. Notice that I just left multiple spaces. These spaces were not acknowledge by XHTML and HTML. Now I will end the paragrah and start a new one.

Notice that there is a line between paragraphs.

http://www.pgrocer.net/Cis44/HTM

SMART Ink

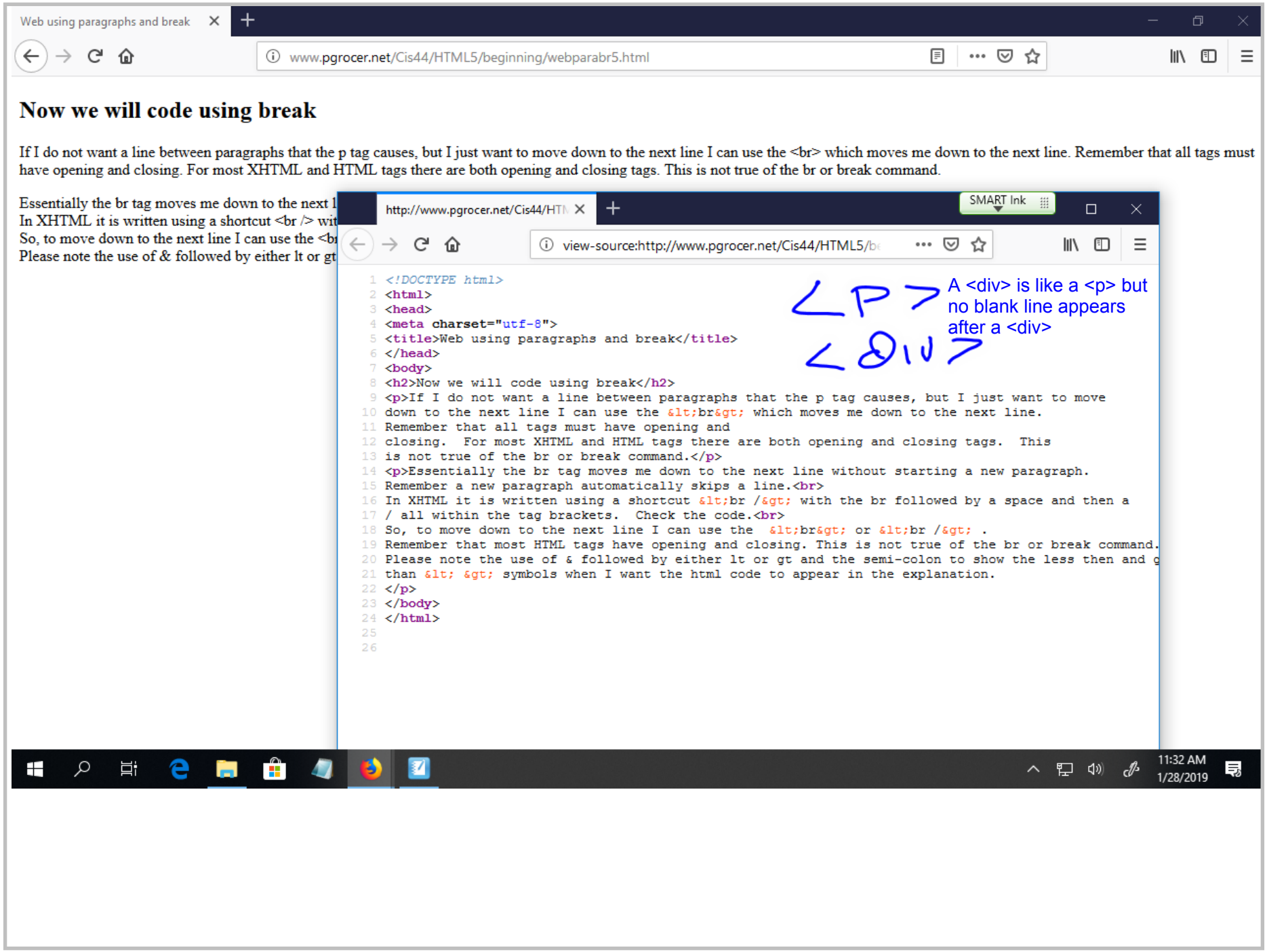
view-source:http://www.pgrocer.net/Cis44/HTML5/b

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <meta charset="utf-8">
5  <title>Web using paragraphs</title>
6  </head>
7  <body>
8  <h1>Now we will code some paragraphs</h1>
9  <p>This is the first paragraph.  Notice that XHTML and HTML do not wrap when I go down
10 to the next line.  They wrap when they need to based on the screen.
11 Notice that I have now moved down to the next line.  XHTML and HTML did not move to
12 the next line.        Notice that I just left multiple spaces. These spaces were not
13 acknowledge by XHTML and HTML.  Now I will end the paragrah and start a new one.</p>
14 <p>Notice that there is a line between paragraphs.</p>
15 </body>
16 </html>
17
```

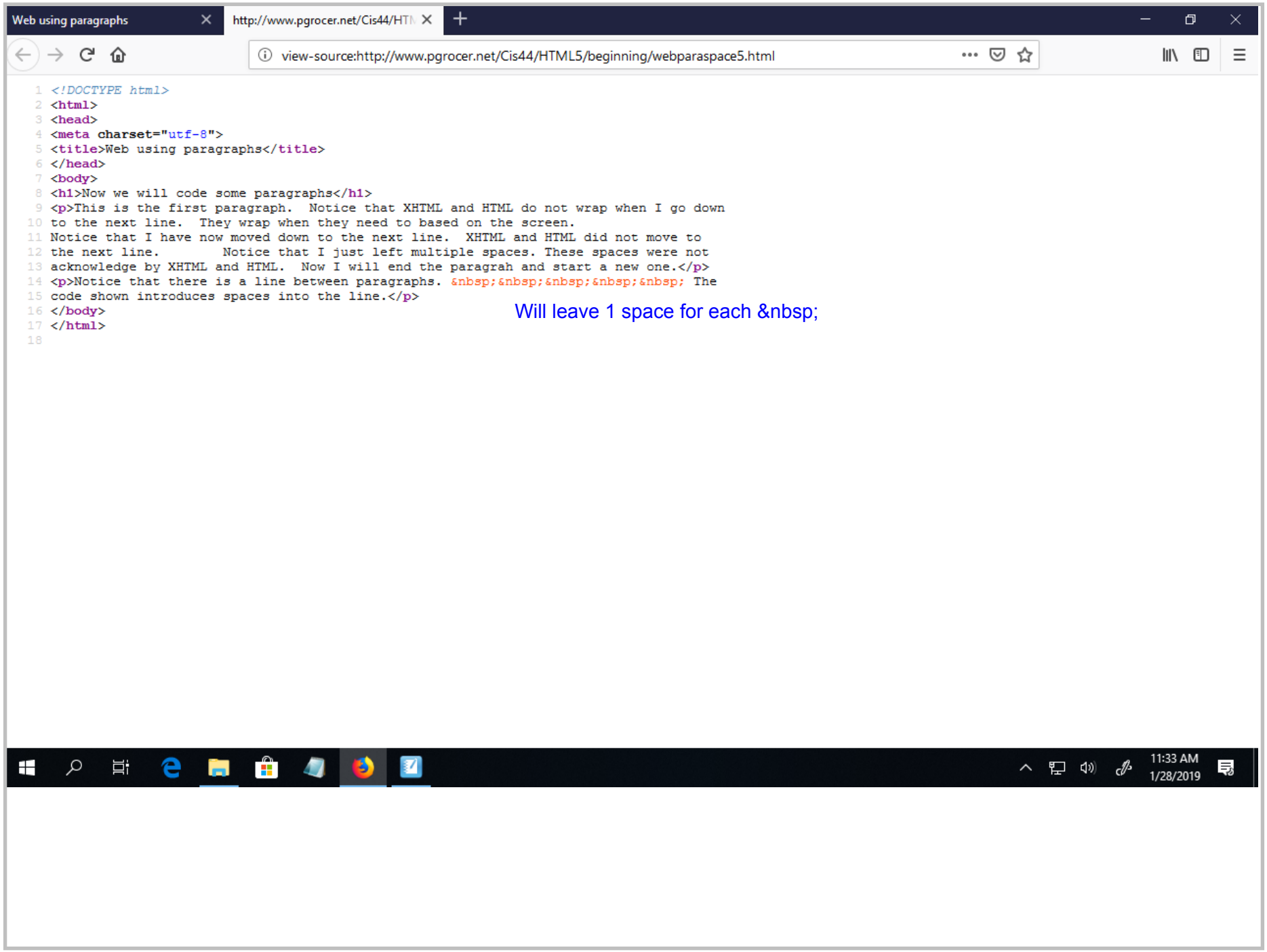

is used to make a space.

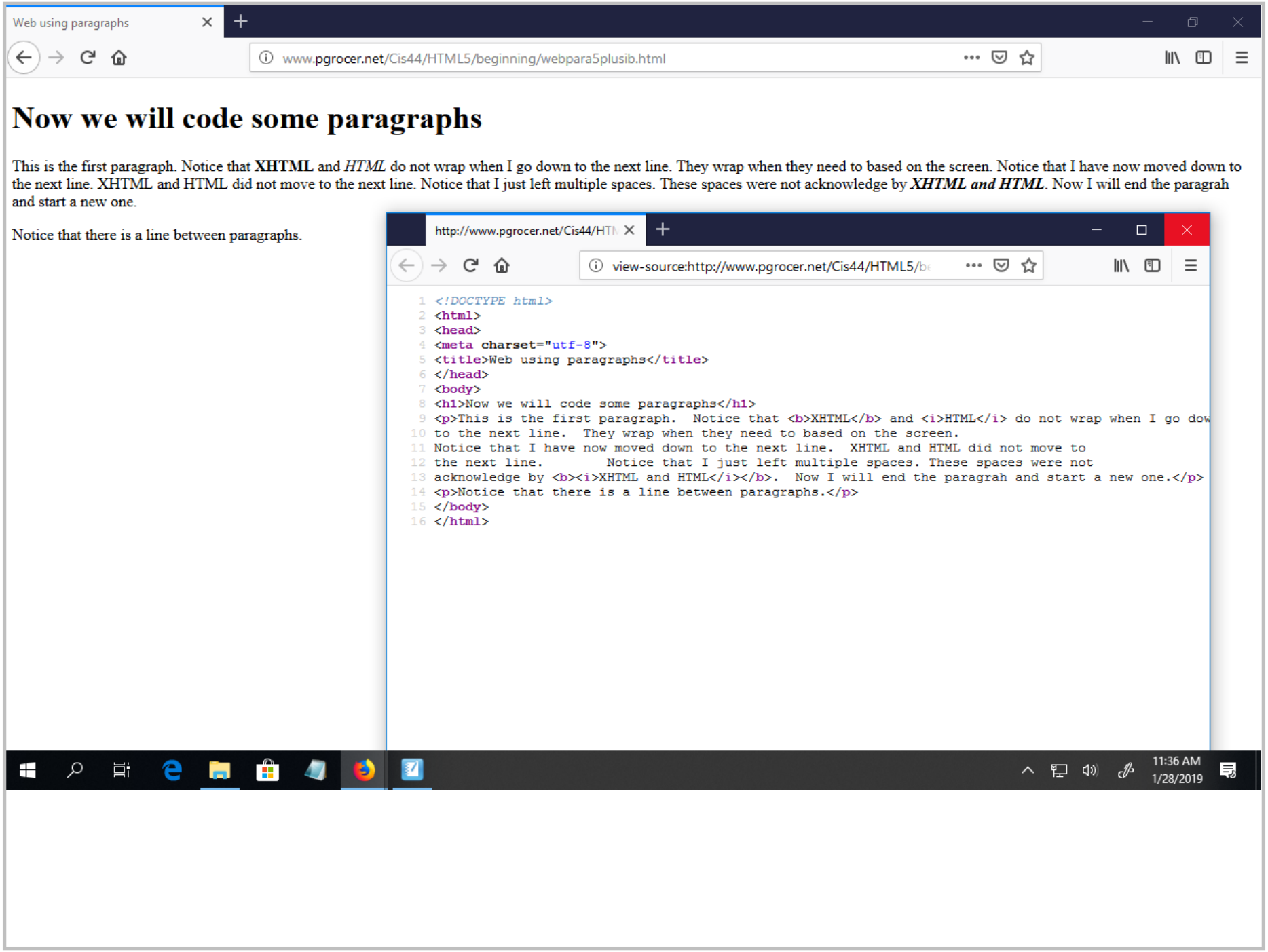
These spaces will be reduced to 1 because simply leaving spaces in the text beyond 1 does not work.

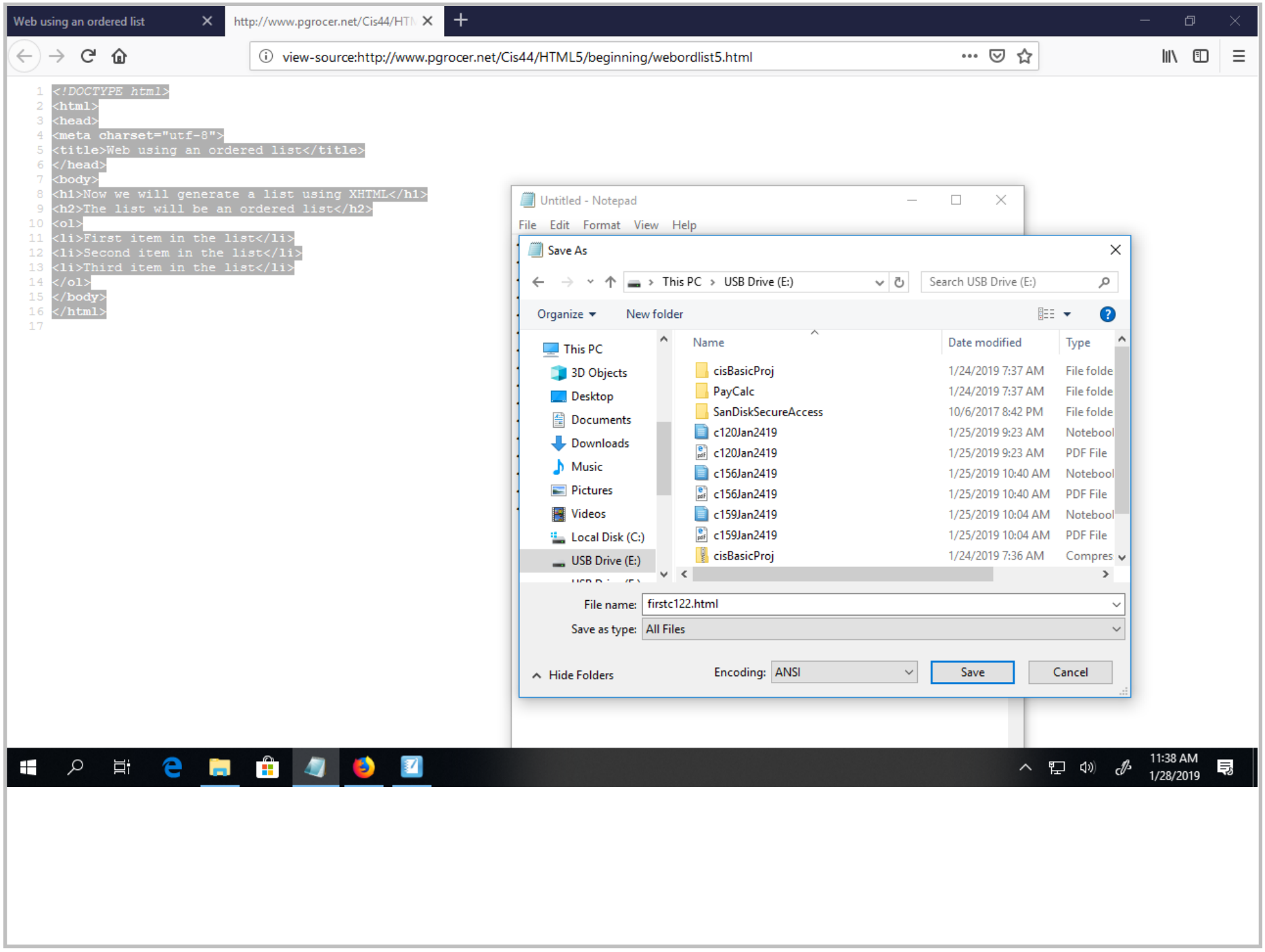
11:30 AM
1/28/2019


Web using paragraphs and break
www.pgrocer.net/Cis44/HTML5/beginning/webparabr5.html
Now we will code using break
If I do not want a line between paragraphs that the p tag causes, but I just want to move down to the next line I can use the <br> which moves me down to the next line. Remember that all tags must have opening and closing. For most XHTML and HTML tags there are both opening and closing tags. This is not true of the br or break command.
Essentially the br tag moves me down to the next l
In XHTML it is written using a shortcut <br /> wit
So, to move down to the next line I can use the <b
Please note the use of & followed by either lt or gt
http://www.pgrocer.net/Cis44/HTM
SMART Ink
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<P>
<Div>
A is like a but no blank line appears after a
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Web using paragraphs and break</title>
</head>
<body>
<h2>Now we will code using break</h2>
If I do not want a line between paragraphs that the p tag causes, but I just want to move
down to the next line I can use the <br> which moves me down to the next line.
Remember that all tags must have opening and
closing. For most XHTML and HTML tags there are both opening and closing tags. This
is not true of the br or break command.
Essentially the br tag moves me down to the next line without starting a new paragraph.
Remember a new paragraph automatically skips a line.
In XHTML it is written using a shortcut <br /> with the br followed by a space and then a
/ all within the tag brackets. Check the code.
So, to move down to the next line I can use the <br> or
 .
Remember that most HTML tags have opening and closing. This is not true of the br or break command.
Please note the use of & followed by either lt or gt and the semi-colon to show the less then and g
than < > symbols when I want the html code to appear in the explanation.

</body>
</html>
11:32 AM
1/28/2019

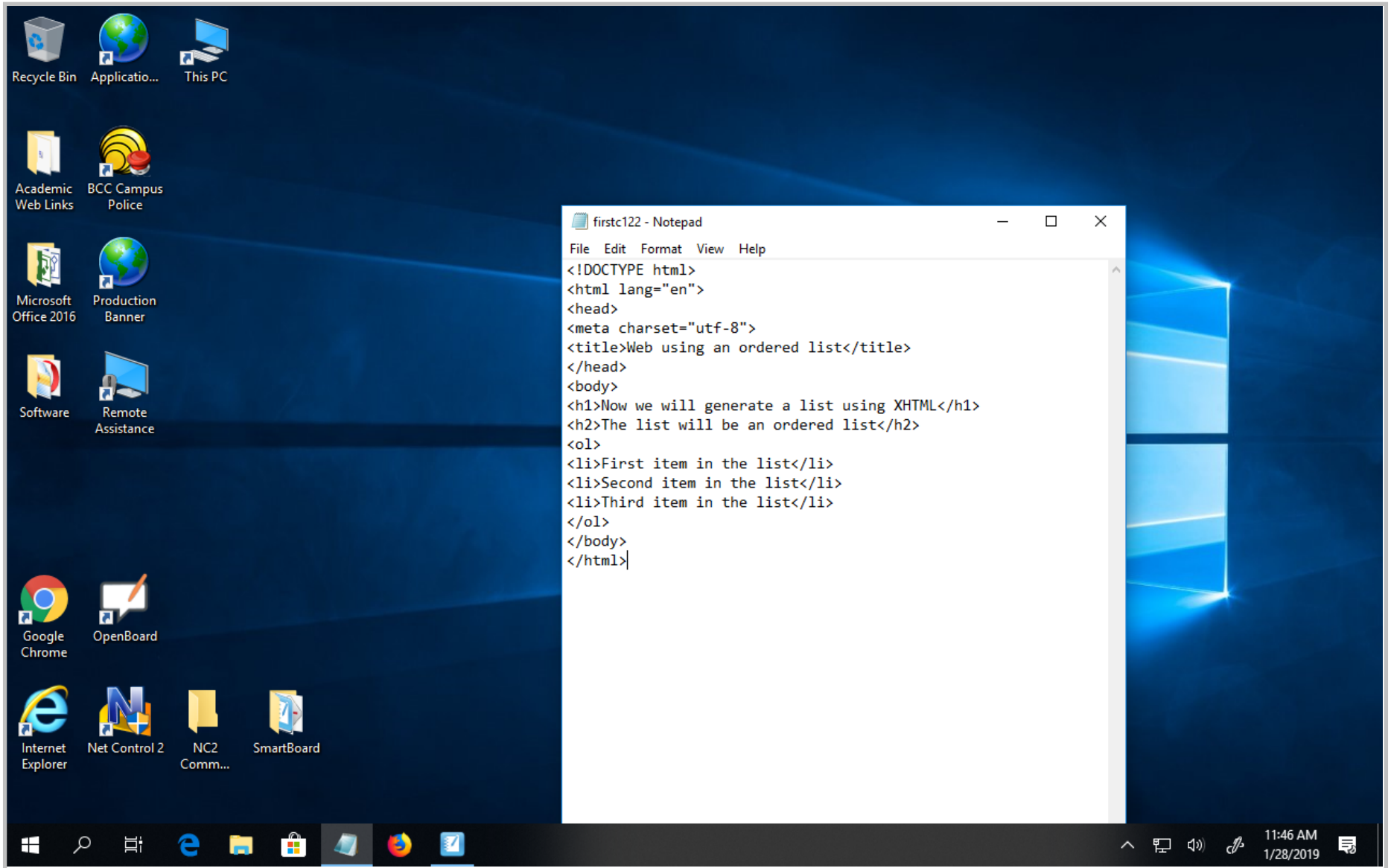

Web using paragraphs
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/beginning/webparaspace5.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Web using paragraphs</title>
6 </head>
7 <body>
8 <h1>Now we will code some paragraphs</h1>
9 This is the first paragraph. Notice that XHTML and HTML do not wrap when I go down
10 to the next line. They wrap when they need to based on the screen.
11 Notice that I have now moved down to the next line. XHTML and HTML did not move to
12 the next line. Notice that I just left multiple spaces. These spaces were not
13 acknowledge by XHTML and HTML. Now I will end the paragrah and start a new one.
14 Notice that there is a line between paragraphs.   The
15 code shown introduces spaces into the line.
16 </body>
17 </html>
18
Will leave 1 space for each
11:33 AM
1/28/2019


Web using paragraphs
www.pgrocer.net/Cis44/HTML5/beginning/webpara5plusib.html
Now we will code some paragraphs
This is the first paragraph. Notice that XHTML and HTML do not wrap when I go down to the next line. They wrap when they need to based on the screen. Notice that I have now moved down to the next line. XHTML and HTML did not move to the next line. Notice that I just left multiple spaces. These spaces were not acknowledge by XHTML and HTML. Now I will end the paragrah and start a new one.
Notice that there is a line between paragraphs.
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Web using paragraphs</title>
</head>
<body>
<h1>Now we will code some paragraphs</h1>
This is the first paragraph. Notice that XHTML and HTML do not wrap when I go dow
to the next line. They wrap when they need to based on the screen.
Notice that I have now moved down to the next line. XHTML and HTML did not move to
the next line. Notice that I just left multiple spaces. These spaces were not
acknowledge by XHTML and HTML. Now I will end the paragrah and start a new one.
Notice that there is a line between paragraphs.
</body>
</html>
11:36 AM
1/28/2019

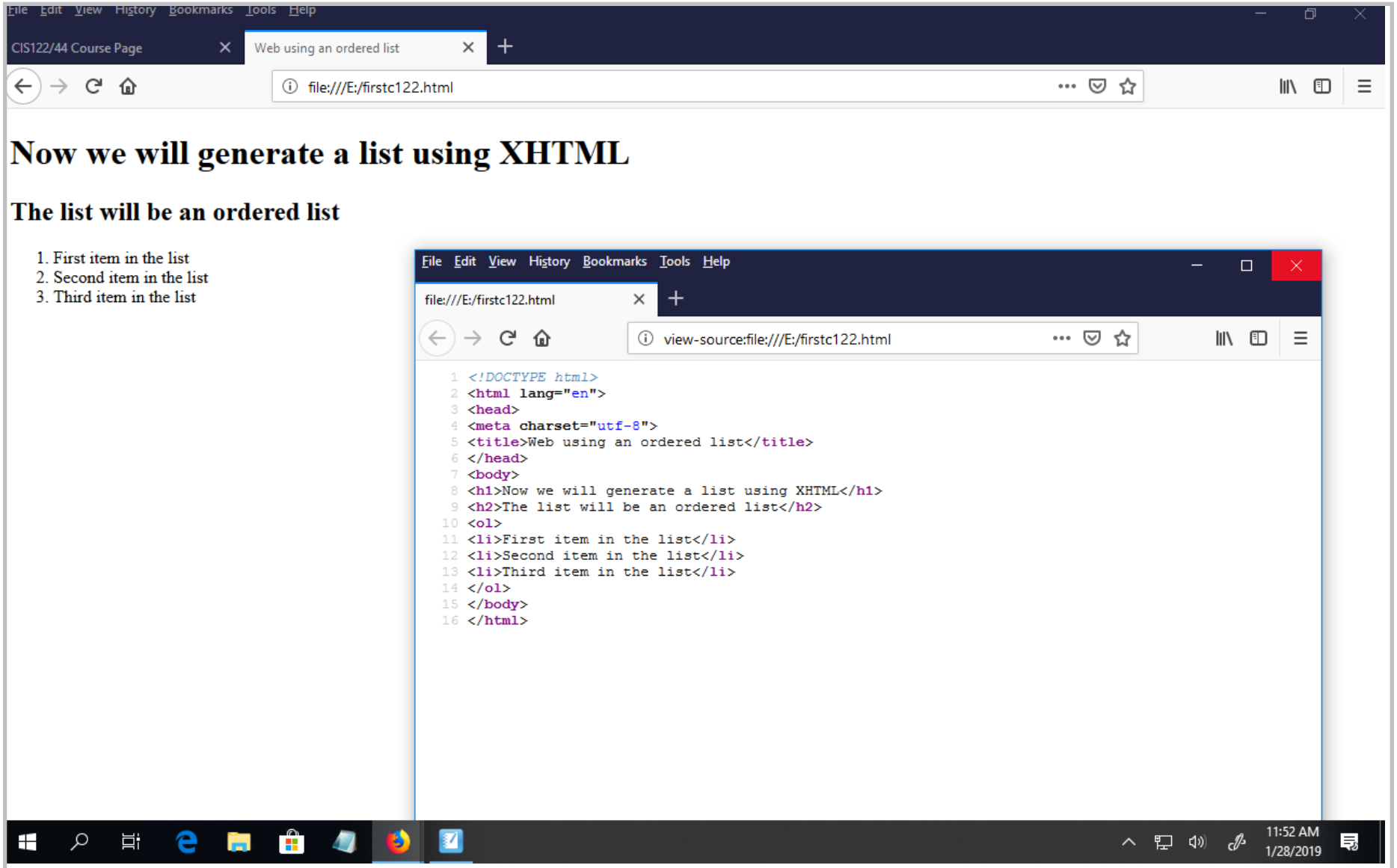

Web using an ordered list
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/beginning/webordlist5.html
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Web using an ordered list</title>
</head>
<body>
<h1>Now we will generate a list using XHTML</h1>
<h2>The list will be an ordered list</h2>

First item in the list
Second item in the list
Third item in the list

</body>
</html>
Untitled - Notepad
File Edit Format View Help
Save As
This PC › USB Drive (E:)
Search USB Drive (E:)
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
USB Drive (E:)
Name
Date modified
Type
cisBasicProj 1/24/2019 7:37 AM File folde
PayCalc 1/24/2019 7:37 AM File folde
SanDiskSecureAccess 10/6/2017 8:42 PM File folde
c120Jan2419 1/25/2019 9:23 AM Notebool
c120Jan2419 1/25/2019 9:23 AM PDF File
c156Jan2419 1/25/2019 10:40 AM Notebool
c156Jan2419 1/25/2019 10:40 AM PDF File
c159Jan2419 1/25/2019 10:04 AM Notebool
c159Jan2419 1/25/2019 10:04 AM PDF File
cisBasicProj 1/24/2019 7:36 AM Compres
File name: firstc122.html
Save as type: All Files
Hide Folders
Encoding: ANSI
Save
Cancel
11:38 AM
1/28/2019

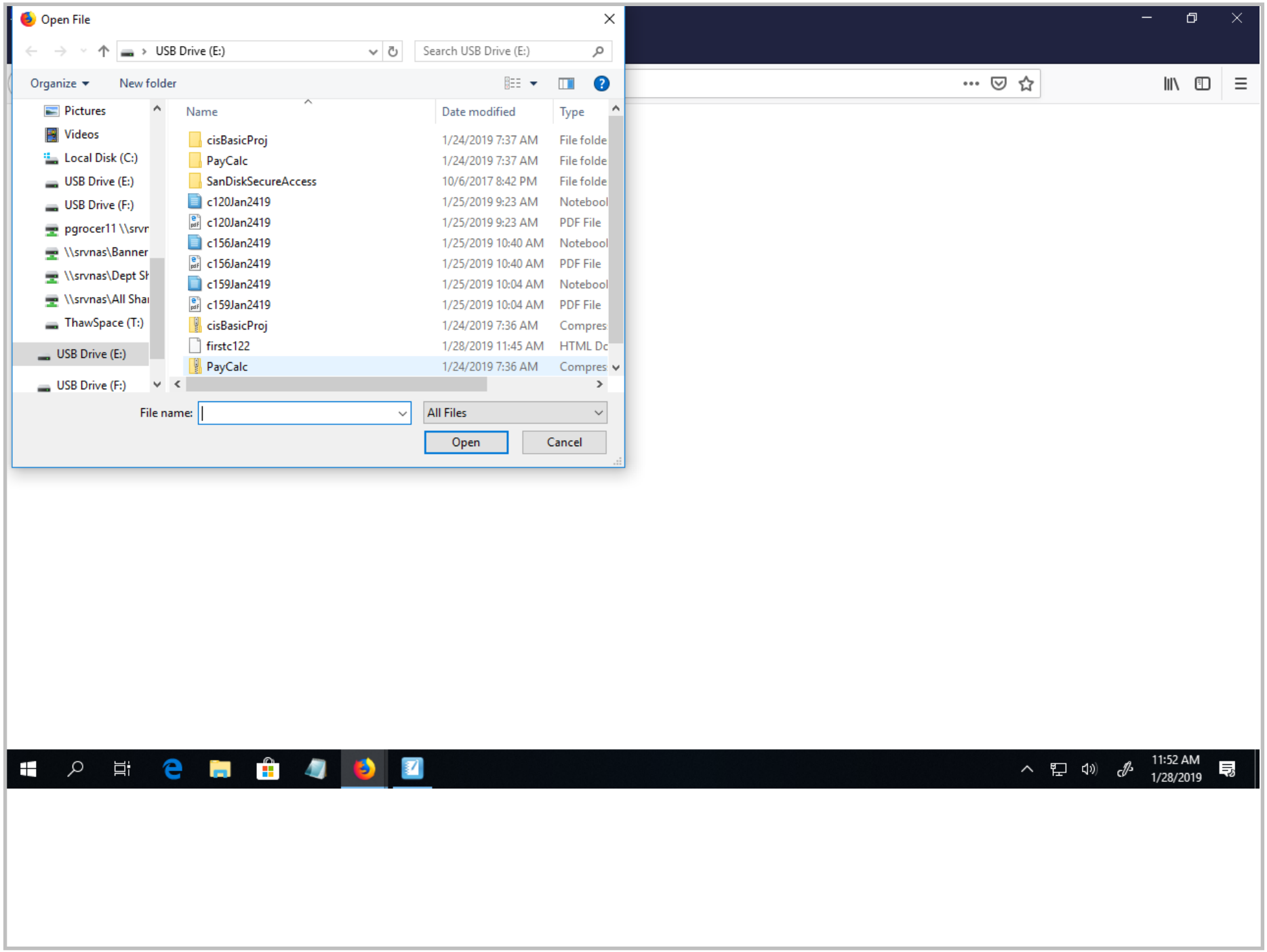


Title: Jan 28-11:46 AM (16 of 64)

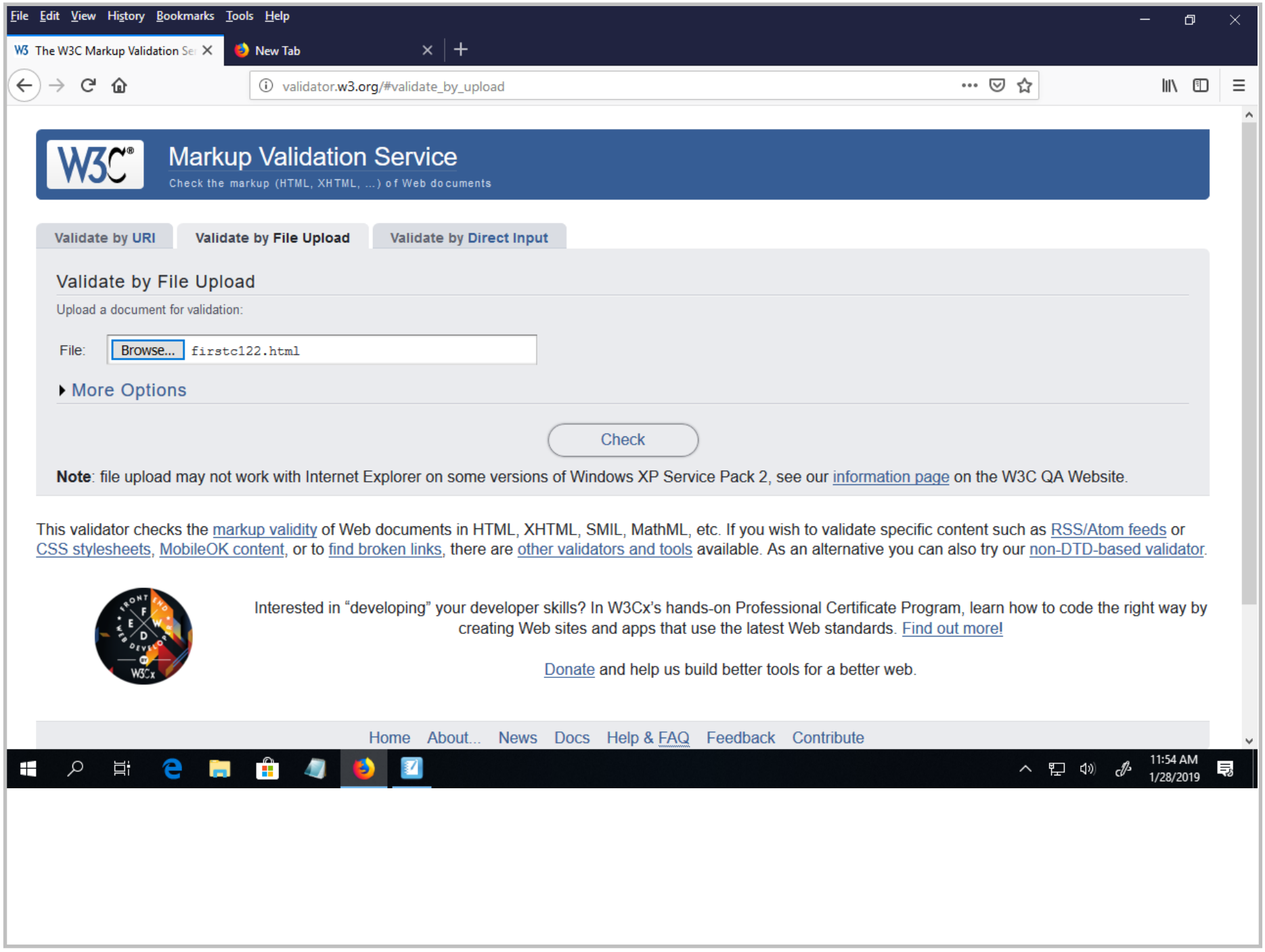

File Edit View History Bookmarks Tools Help
CIS122/44 Course Page
Web using an ordered list
file:///E:/firstc122.html
Now we will generate a list using XHTML
The list will be an ordered list
1. First item in the list
2. Second item in the list
3. Third item in the list
file:///E:/firstc122.html
view-source:file:///E:/firstc122.html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Web using an ordered list</title>
</head>
<body>
<h1>Now we will generate a list using XHTML</h1>
<h2>The list will be an ordered list</h2>

First item in the list
Second item in the list
Third item in the list

</body>
</html>
11:52 AM
1/28/2019



Title: Jan 28-11:52 AM (18 of 64)


File Edit View History Bookmarks Tools Help
The W3C Markup Validation Se
New Tab
validator.w3.org/#validate_by_upload
Markup Validation Service
Check the markup (HTML, XHTML, ...) of Web documents
Validate by URI
Validate by File Upload
Validate by Direct Input
Validate by File Upload
Upload a document for validation:
File:
Browse...
firstc122.html
More Options
Check
Note: file upload may not work with Internet Explorer on some versions of Windows XP Service Pack 2, see our information page on the W3C QA Website.
This validator checks the markup validity of Web documents in HTML, XHTML, SMIL, MathML, etc. If you wish to validate specific content such as RSS/Atom feeds or CSS stylesheets, MobileOK content, or to find broken links, there are other validators and tools available. As an alternative you can also try our non-DTD-based validator.
Interested in "developing" your developer skills? In W3Cx's hands-on Professional Certificate Program, learn how to code the right way by creating Web sites and apps that use the latest Web standards. Find out more!
Donate and help us build better tools for a better web.
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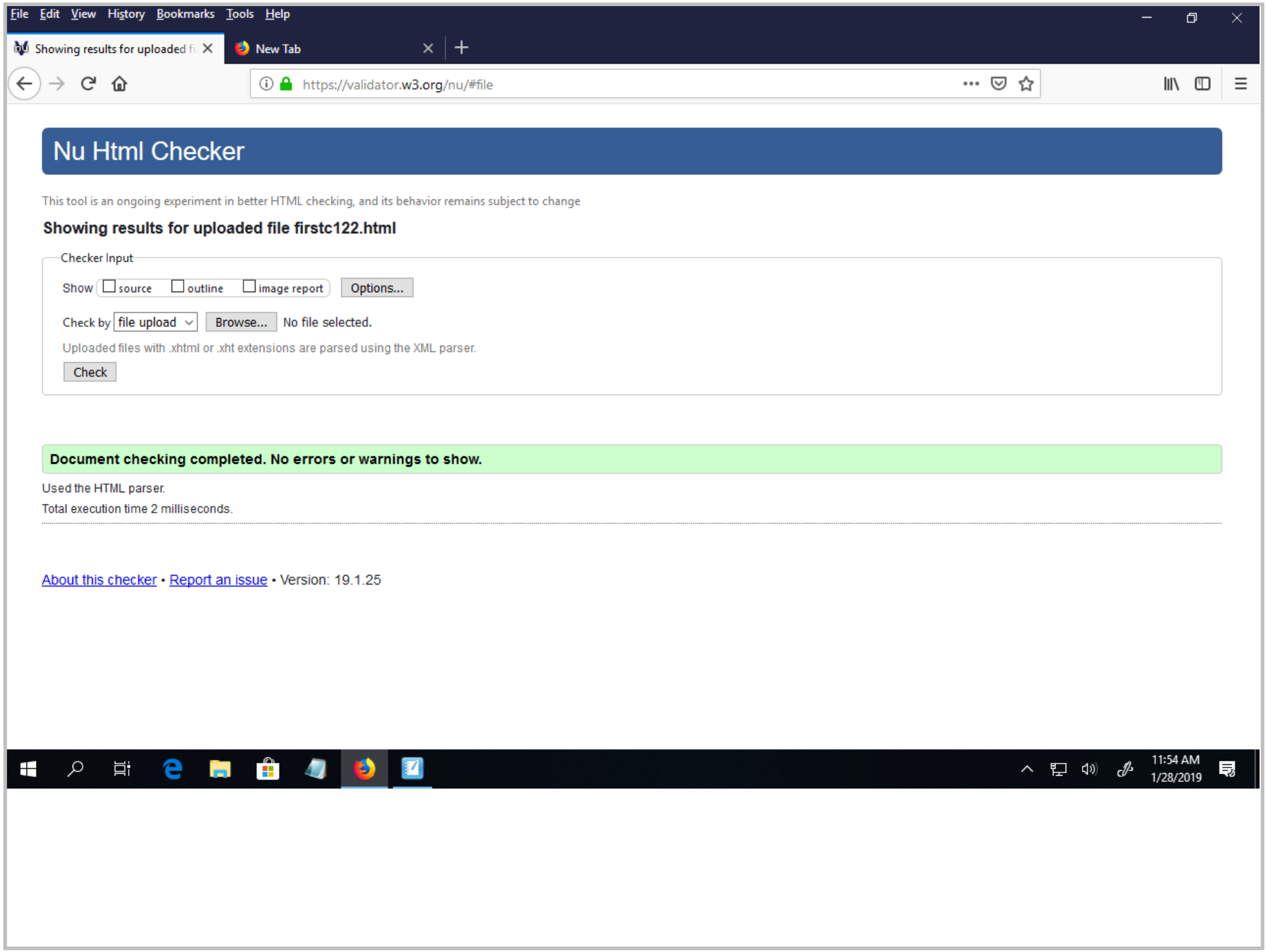
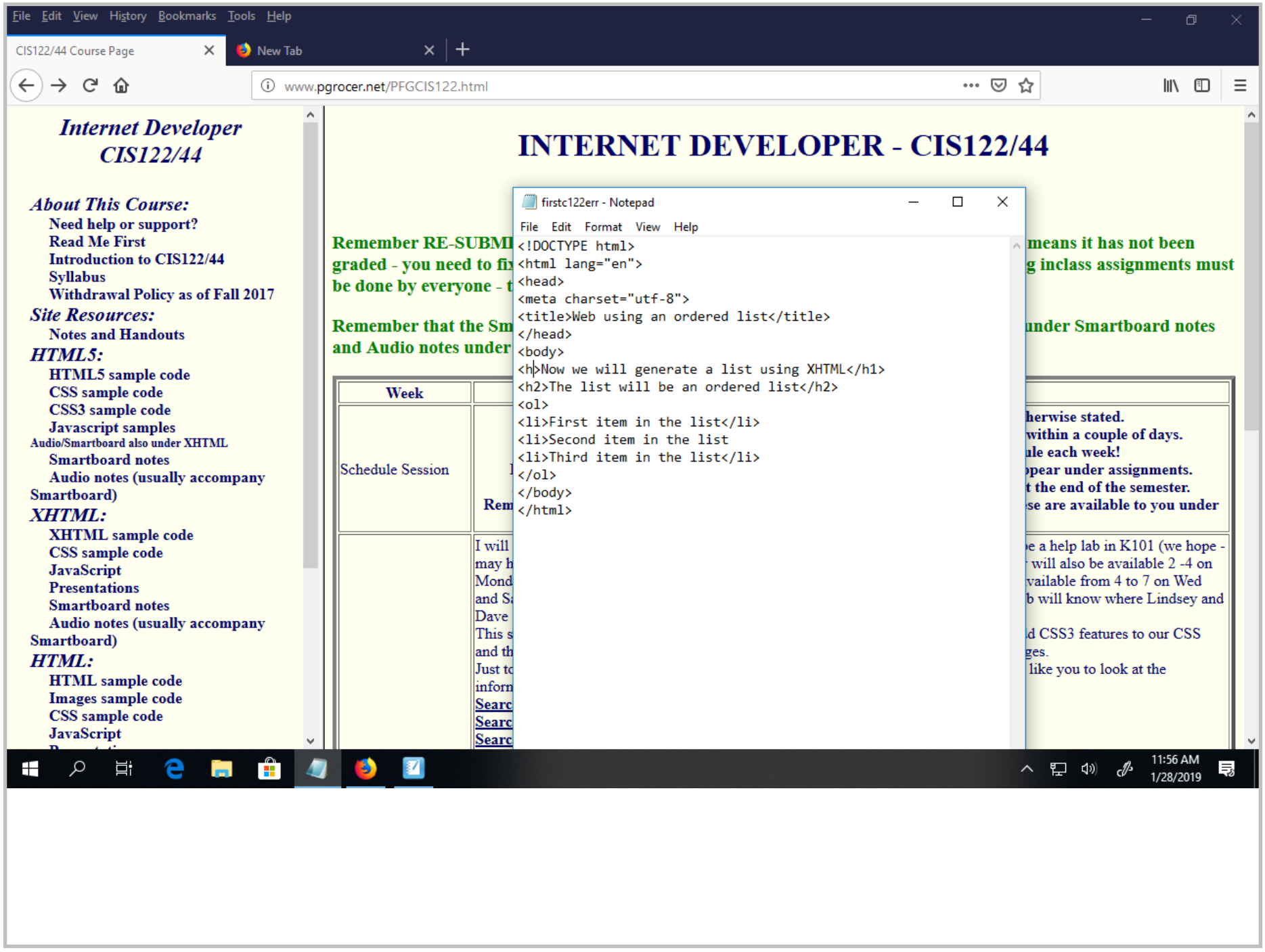
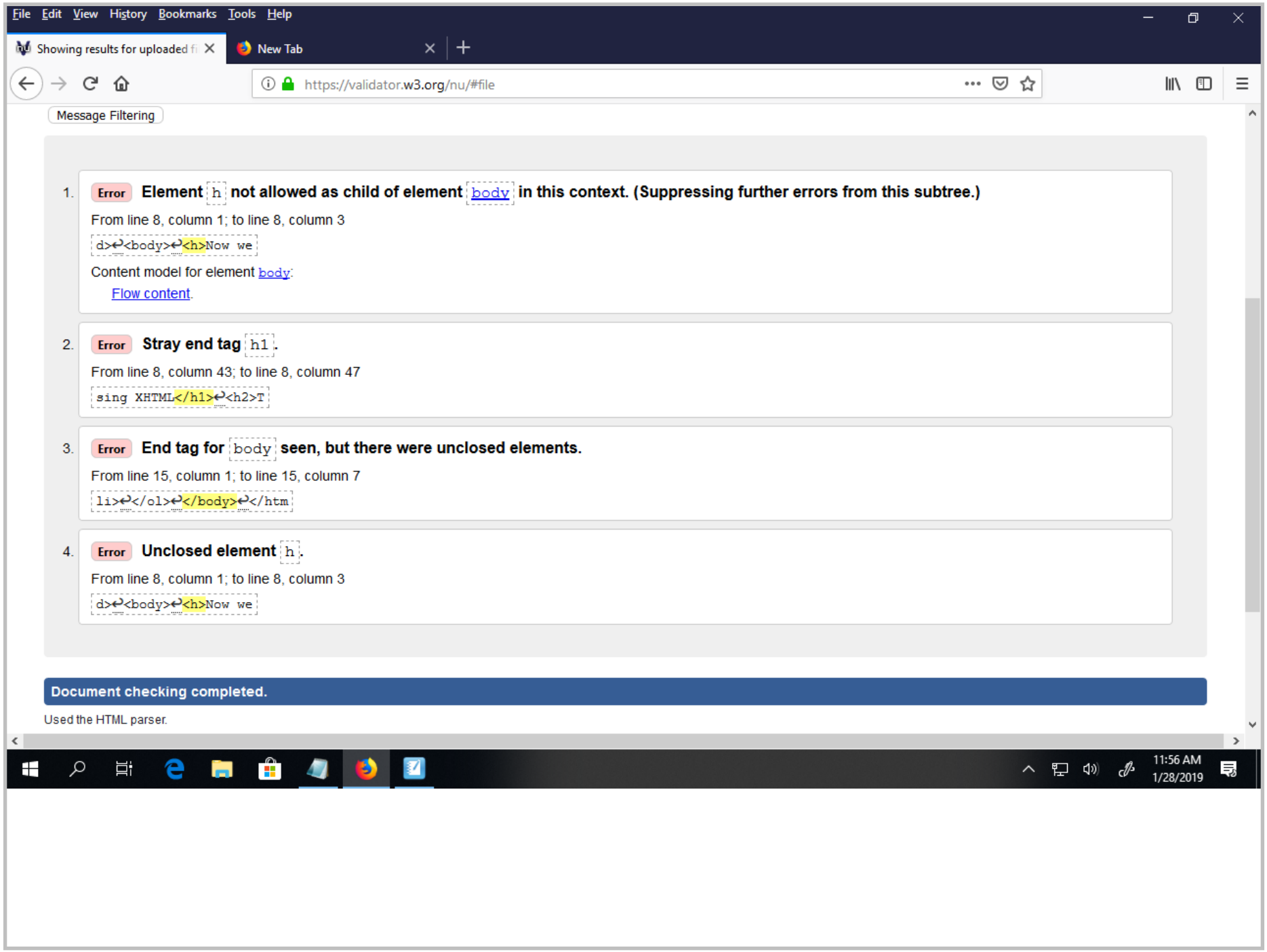
11:54 AM
1/28/2019

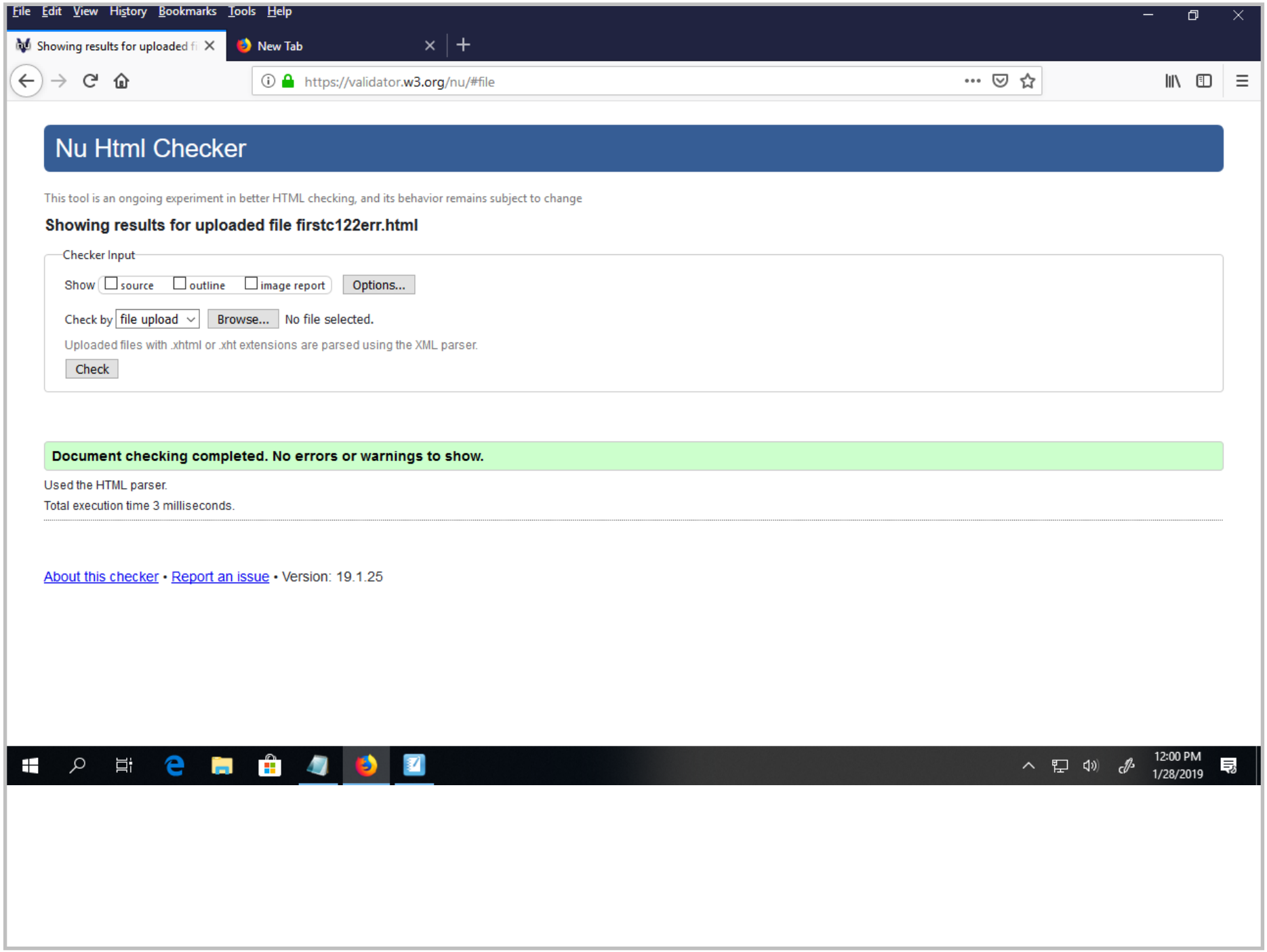

File Edit View History Bookmarks Tools Help
Showing results for uploaded fi
New Tab
https://validator.w3.org/nu/#file
Nu Html Checker
This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change
Showing results for uploaded file firstc122.html
Checker Input
Show source outline image report
Options...
Check by file upload
Browse...
No file selected.
Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.
Check
Document checking completed. No errors or warnings to show.
Used the HTML parser.
Total execution time 2 milliseconds.
About this checker • Report an issue • Version: 19.1.25
11:54 AM
1/28/2019

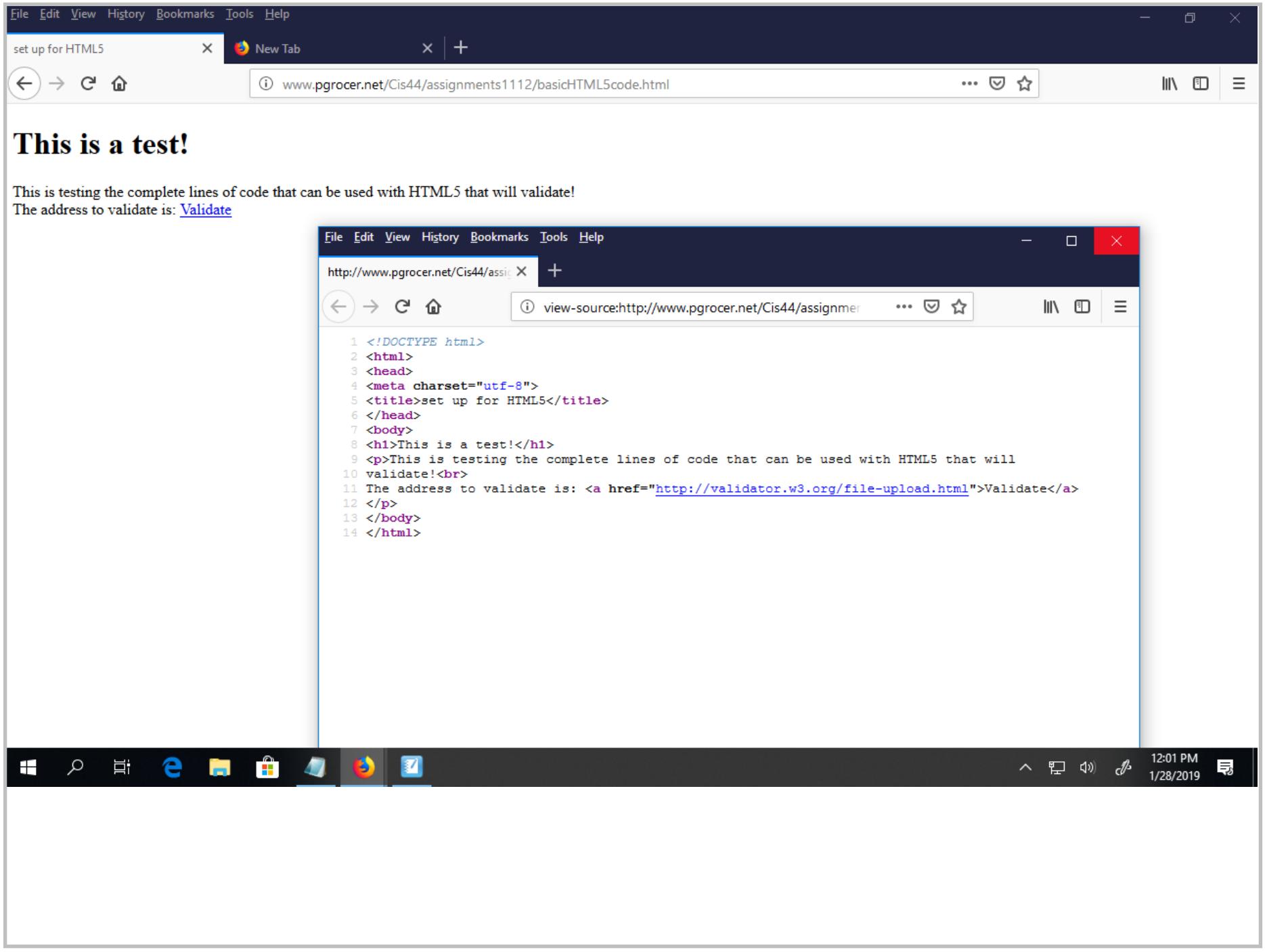

File Edit View History Bookmarks Tools Help
CIS122/44 Course Page
New Tab
www.pgrocer.net/PFGCIS122.html
Internet Developer
CIS122/44
About This Course:
Need help or support?
Read Me First
Introduction to CIS122/44
Syllabus
Withdrawal Policy as of Fall 2017
Site Resources:
Notes and Handouts
HTML5:
HTML5 sample code
CSS sample code
CSS3 sample code
Javascript samples
Audio/Smartboard also under XHTML
Smartboard notes
Audio notes (usually accompany Smartboard)
XHTML:
XHTML sample code
CSS sample code
JavaScript
Presentations
Smartboard notes
Audio notes (usually accompany Smartboard)
HTML:
HTML sample code
Images sample code
CSS sample code
JavaScript
INTERNET DEVELOPER - CIS122/44
Remember RE-SUBMI
means it has not been
graded - you need to fix
g inclass assignments must
be done by everyone - t
Remember that the Sm
under Smartboard notes
and Audio notes under
Week
Schedule Session
herwise stated.
within a couple of days.
le each week!
pear under assignments.
t the end of the semester.
se are available to you under
e a help lab in K101 (we hope -
will also be available 2 -4 on
vailable from 4 to 7 on Wed
b will know where Lindsey and
d CSS3 features to our CSS
ges.
like you to look at the
firstc122err - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Web using an ordered list</title>
</head>
<body>
<h>Now we will generate a list using XHTML</h1>
<h2>The list will be an ordered list</h2>

First item in the list
Second item in the list
Third item in the list

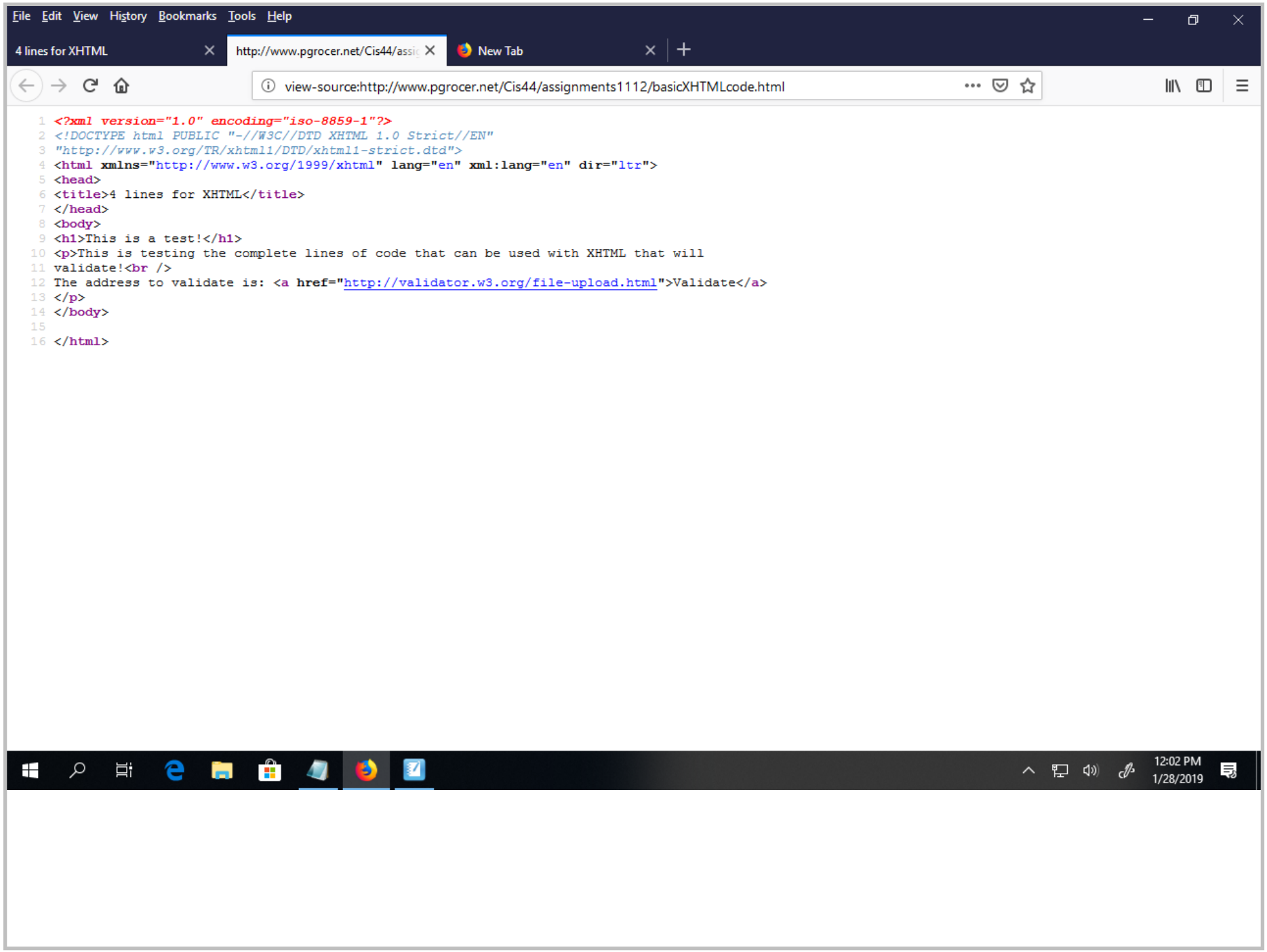
</body>
</html>
11:56 AM
1/28/2019

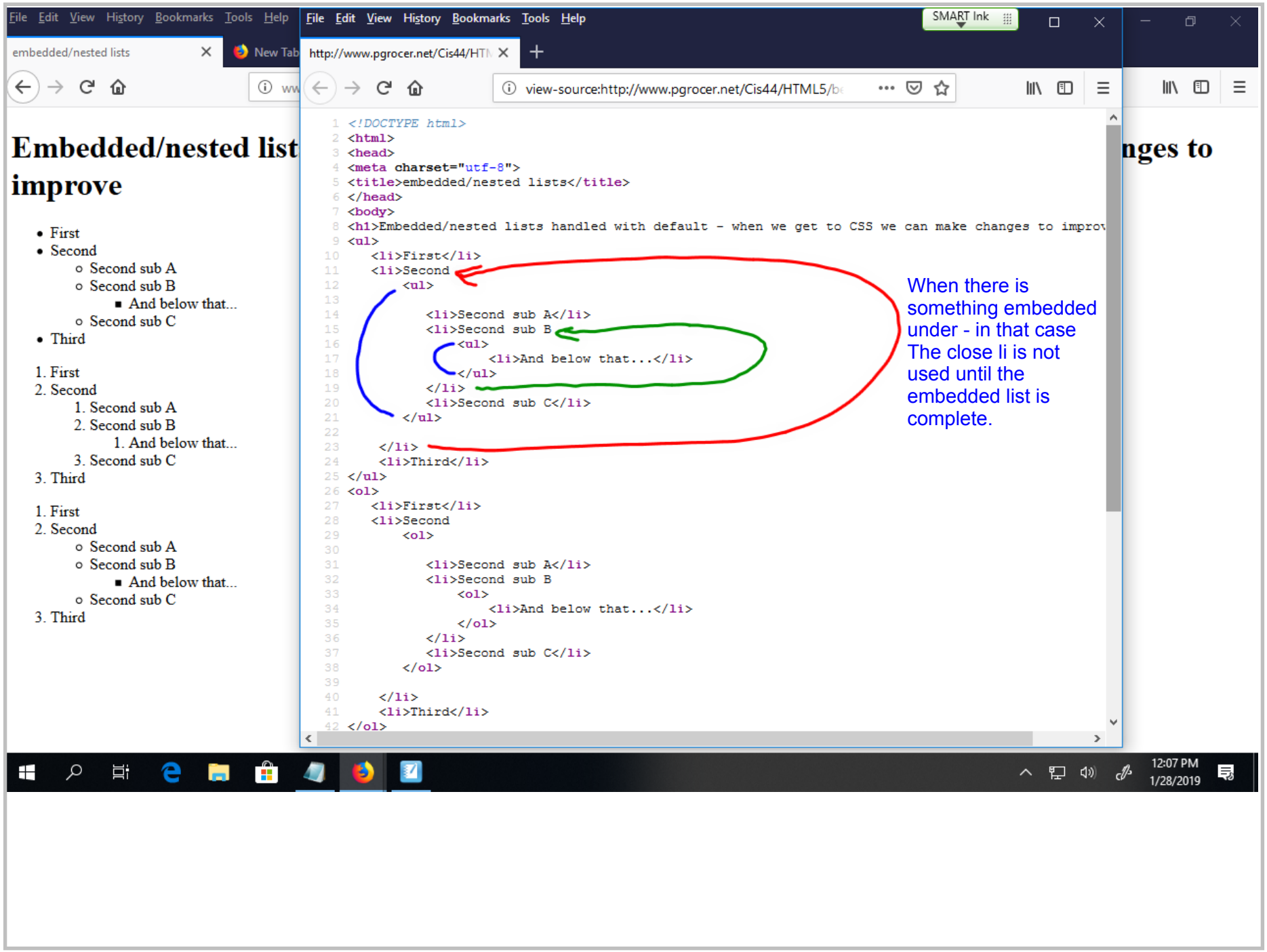

File Edit View History Bookmarks Tools Help
Showing results for uploaded fi
New Tab
https://validator.w3.org/nu/#file
Message Filtering
1. Error Element h not allowed as child of element body in this context. (Suppressing further errors from this subtree.)
From line 8, column 1; to line 8, column 3
d>↩<body>↩<h>Now we
Content model for element body:
Flow content.
2. Error Stray end tag h1.
From line 8, column 43; to line 8, column 47
sing XHTML</h1>↩<h2>T
3. Error End tag for body seen, but there were unclosed elements.
From line 15, column 1; to line 15, column 7
li>↩
↩</body>↩</htm
4. Error Unclosed element h.
From line 8, column 1; to line 8, column 3
d>↩<body>↩<h>Now we
Document checking completed.
Used the HTML parser.
11:56 AM
1/28/2019


File Edit View History Bookmarks Tools Help
Showing results for uploaded fi
New Tab
https://validator.w3.org/nu/#file
Nu Html Checker
This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change
Showing results for uploaded file firstc122err.html
Checker Input
Show source outline image report Options...
Check by file upload Browse... No file selected.
Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.
Check
Document checking completed. No errors or warnings to show.
Used the HTML parser.
Total execution time 3 milliseconds.
About this checker • Report an issue • Version: 19.1.25
12:00 PM
1/28/2019


File Edit View History Bookmarks Tools Help
set up for HTML5
New Tab
www.pgrocer.net/Cis44/assignments1112/basicHTML5code.html
This is a test!
This is testing the complete lines of code that can be used with HTML5 that will validate!
The address to validate is: Validate
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/assi
view-source:http://www.pgrocer.net/Cis44/assignme
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>set up for HTML5</title>
</head>
<body>
<h1>This is a test!</h1>
This is testing the complete lines of code that can be used with HTML5 that will validate!
The address to validate is: Validate

</body>
</html>
12:01 PM
1/28/2019


File Edit View History Bookmarks Tools Help
4 lines for XHTML
http://www.pgrocer.net/Cis44/assi
New Tab
view-source:http://www.pgrocer.net/Cis44/assignments1112/basicXHTMLcode.html
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>4 lines for XHTML</title>
7 </head>
8 <body>
9 <h1>This is a test!</h1>
10 This is testing the complete lines of code that can be used with XHTML that will
11 validate!
12 The address to validate is: Validate
13
14 </body>
15
16 </html>
12:02 PM
1/28/2019


embedded/nested lists
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
Embedded/nested list
improve
nges to
First
Second
Second sub A
Second sub B
And below that...
Second sub C
Third
1. First
2. Second
1. Second sub A
2. Second sub B
1. And below that...
3. Second sub C
3. Third
1. First
2. Second
Second sub A
Second sub B
And below that...
Second sub C
3. Third
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>embedded/nested lists</title>
</head>
<body>
<h1>Embedded/nested lists handled with default - when we get to CSS we can make changes to improv

First
Second

Second sub A
Second sub B

And below that...

Second sub C

Third

First
Second

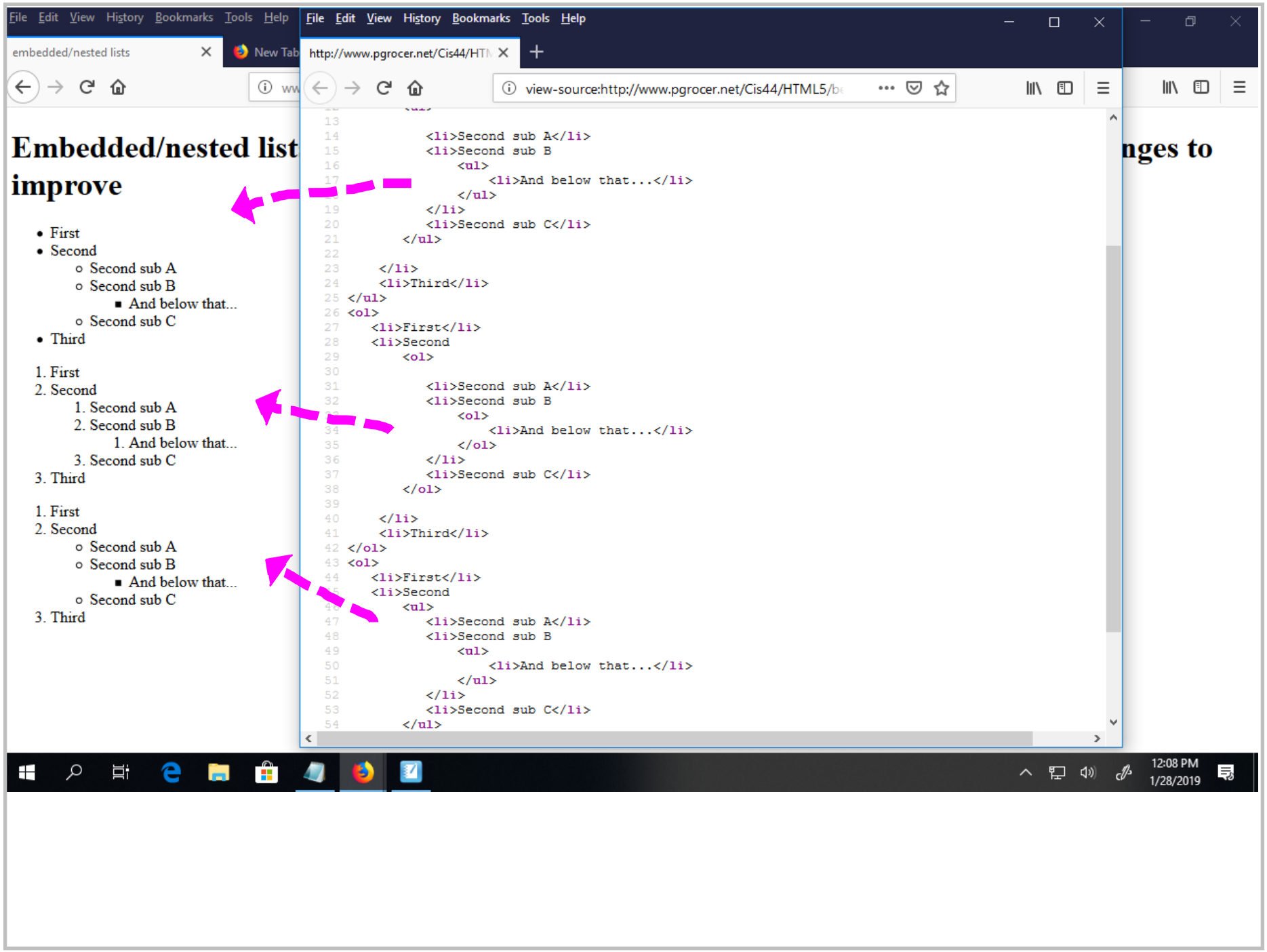
Second sub A
Second sub B

And below that...

Second sub C

Third

When there is something embedded under - in that case The close li is not used until the embedded list is complete.
12:07 PM
1/28/2019


File Edit View History Bookmarks Tools Help
embedded/nested lists
New Tab
Embedded/nested list
improve
nges to
First
Second
Second sub A
Second sub B
And below that...
Second sub C
Third
1. First
2. Second
1. Second sub A
2. Second sub B
1. And below that...
3. Second sub C
3. Third
1. First
2. Second
Second sub A
Second sub B
And below that...
Second sub C
3. Third
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
Second sub A
Second sub B

And below that...

Second sub C

Third

First
Second

Second sub A
Second sub B

And below that...

Second sub C

Third

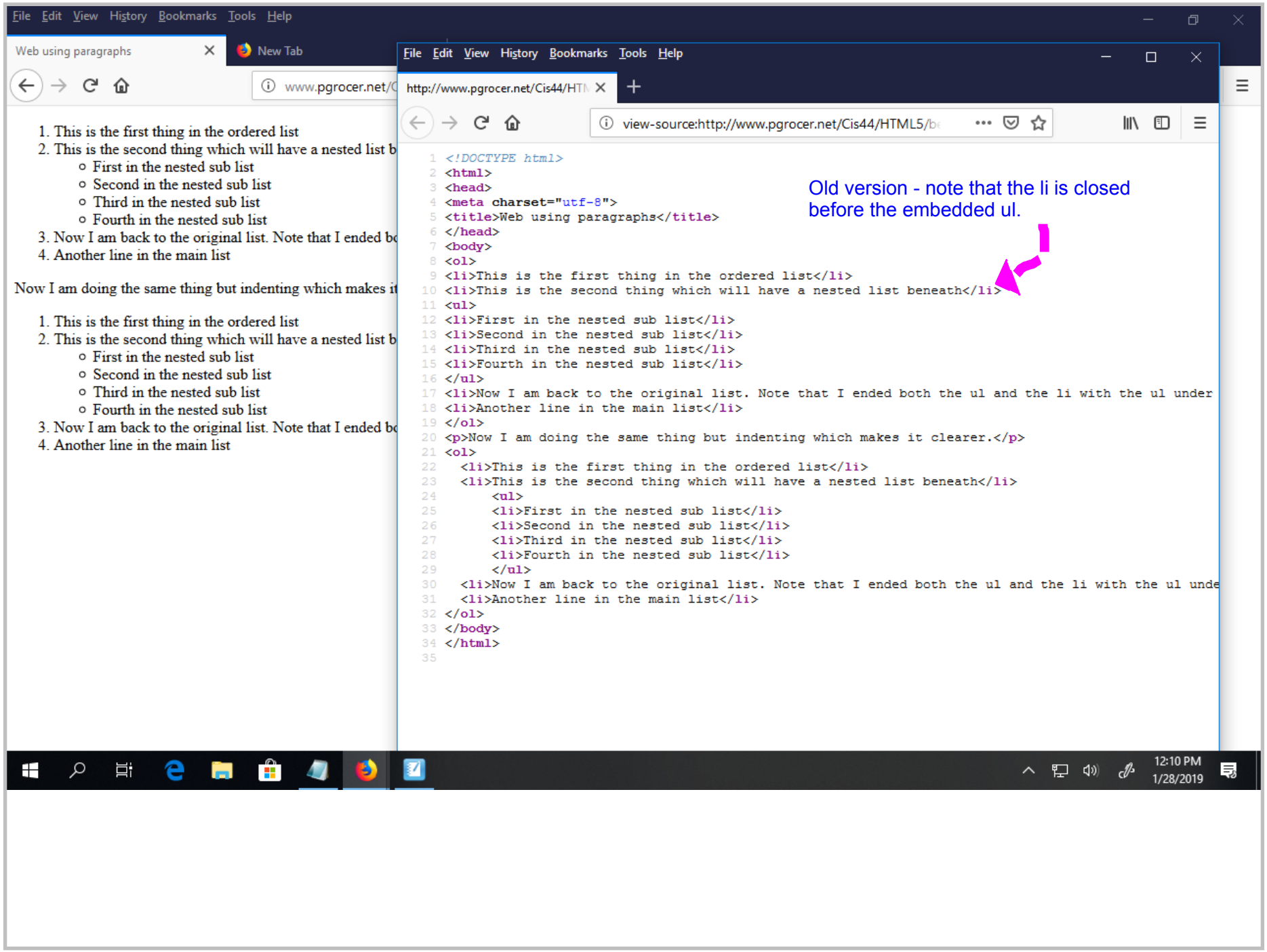
First
Second

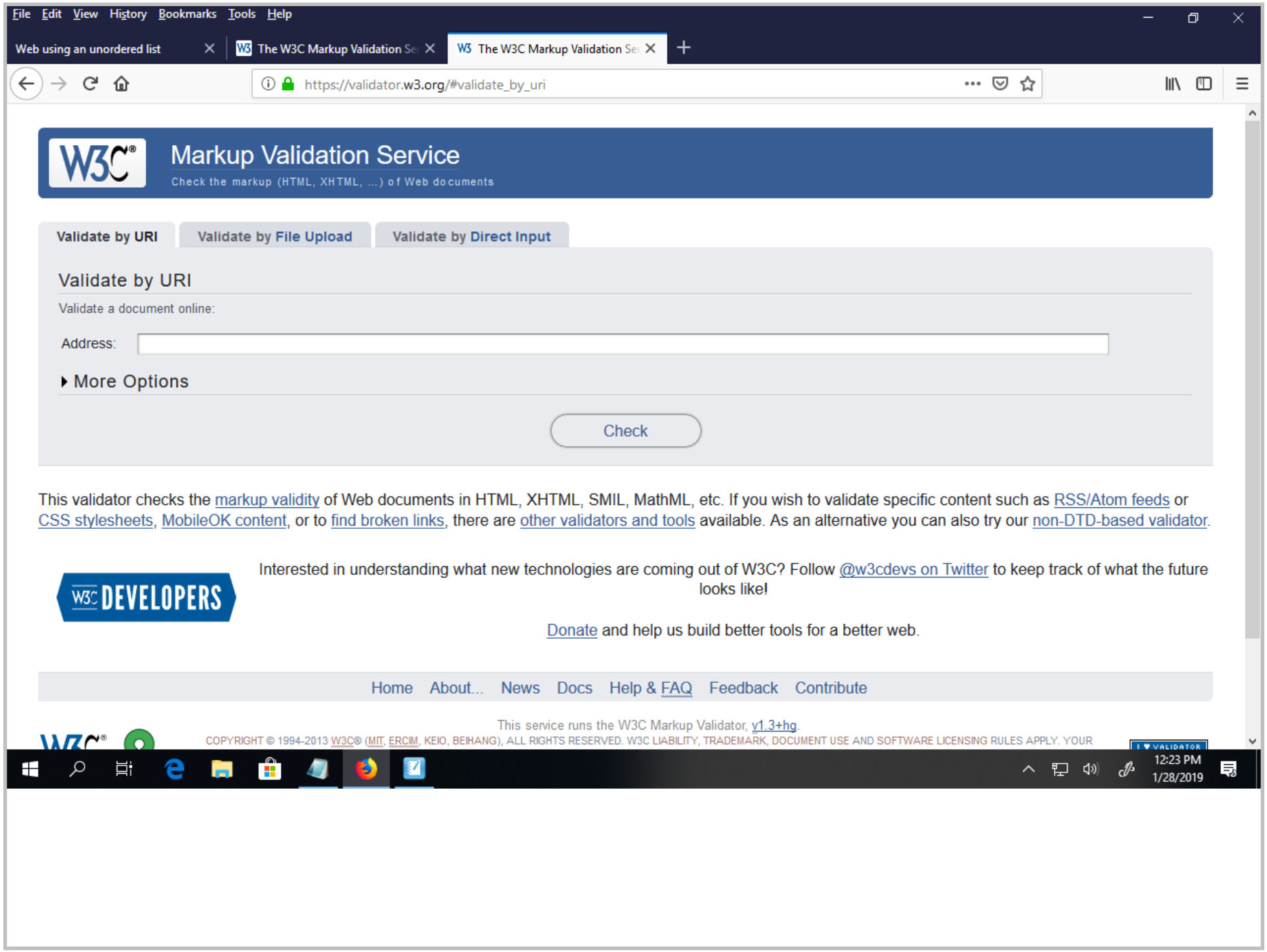
Second sub A
Second sub B

And below that...

Second sub C

12:08 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Web using paragraphs
New Tab
www.pgrocer.net/C
1. This is the first thing in the ordered list
2. This is the second thing which will have a nested list b
First in the nested sub list
Second in the nested sub list
Third in the nested sub list
Fourth in the nested sub list
3. Now I am back to the original list. Note that I ended bc
4. Another line in the main list
Now I am doing the same thing but indenting which makes it
1. This is the first thing in the ordered list
2. This is the second thing which will have a nested list b
First in the nested sub list
Second in the nested sub list
Third in the nested sub list
Fourth in the nested sub list
3. Now I am back to the original list. Note that I ended bc
4. Another line in the main list
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
Old version - note that the li is closed before the embedded ul.
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Web using paragraphs</title>
6 </head>
7 <body>
8
9 This is the first thing in the ordered list
10 This is the second thing which will have a nested list beneath
11
12 First in the nested sub list
13 Second in the nested sub list
14 Third in the nested sub list
15 Fourth in the nested sub list
16
17 Now I am back to the original list. Note that I ended both the ul and the li with the ul under
18 Another line in the main list
19
20 Now I am doing the same thing but indenting which makes it clearer.
21
22 This is the first thing in the ordered list
23 This is the second thing which will have a nested list beneath
24
25 First in the nested sub list
26 Second in the nested sub list
27 Third in the nested sub list
28 Fourth in the nested sub list
29
30 Now I am back to the original list. Note that I ended both the ul and the li with the ul unde
31 Another line in the main list
32
33 </body>
34 </html>
35
12:10 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Web using an unordered list
The W3C Markup Validation Ser
The W3C Markup Validation Ser
https://validator.w3.org/#validate_by_uri
Markup Validation Service
Check the markup (HTML, XHTML, ...) of Web documents
Validate by URI
Validate by File Upload
Validate by Direct Input
Validate by URI
Validate a document online:
Address:
More Options
Check
This validator checks the markup validity of Web documents in HTML, XHTML, SMIL, MathML, etc. If you wish to validate specific content such as RSS/Atom feeds or CSS stylesheets, MobileOK content, or to find broken links, there are other validators and tools available. As an alternative you can also try our non-DTD-based validator.
DEVELOPERS
Interested in understanding what new technologies are coming out of W3C? Follow @w3cdevs on Twitter to keep track of what the future looks like!
Donate and help us build better tools for a better web.
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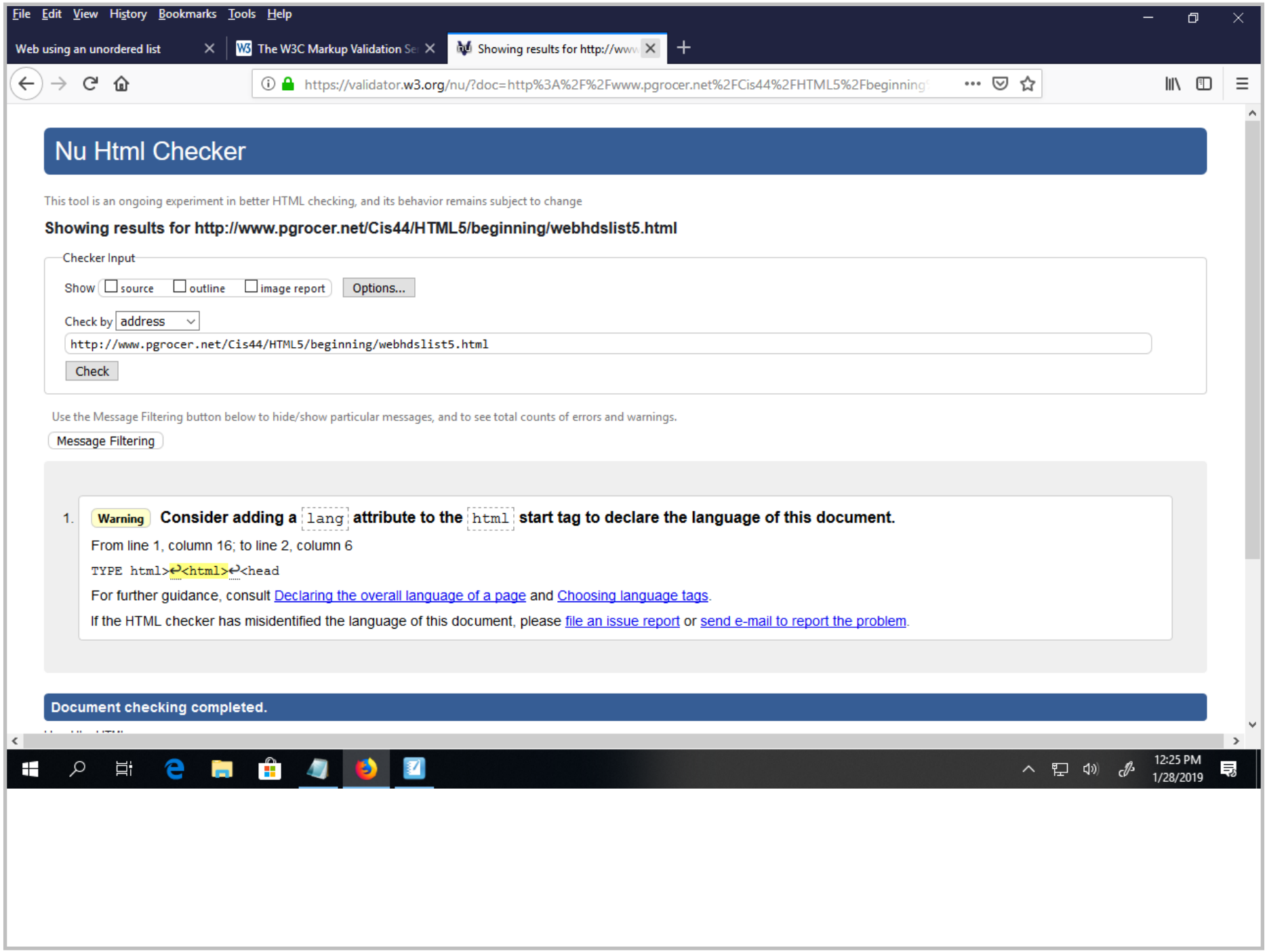
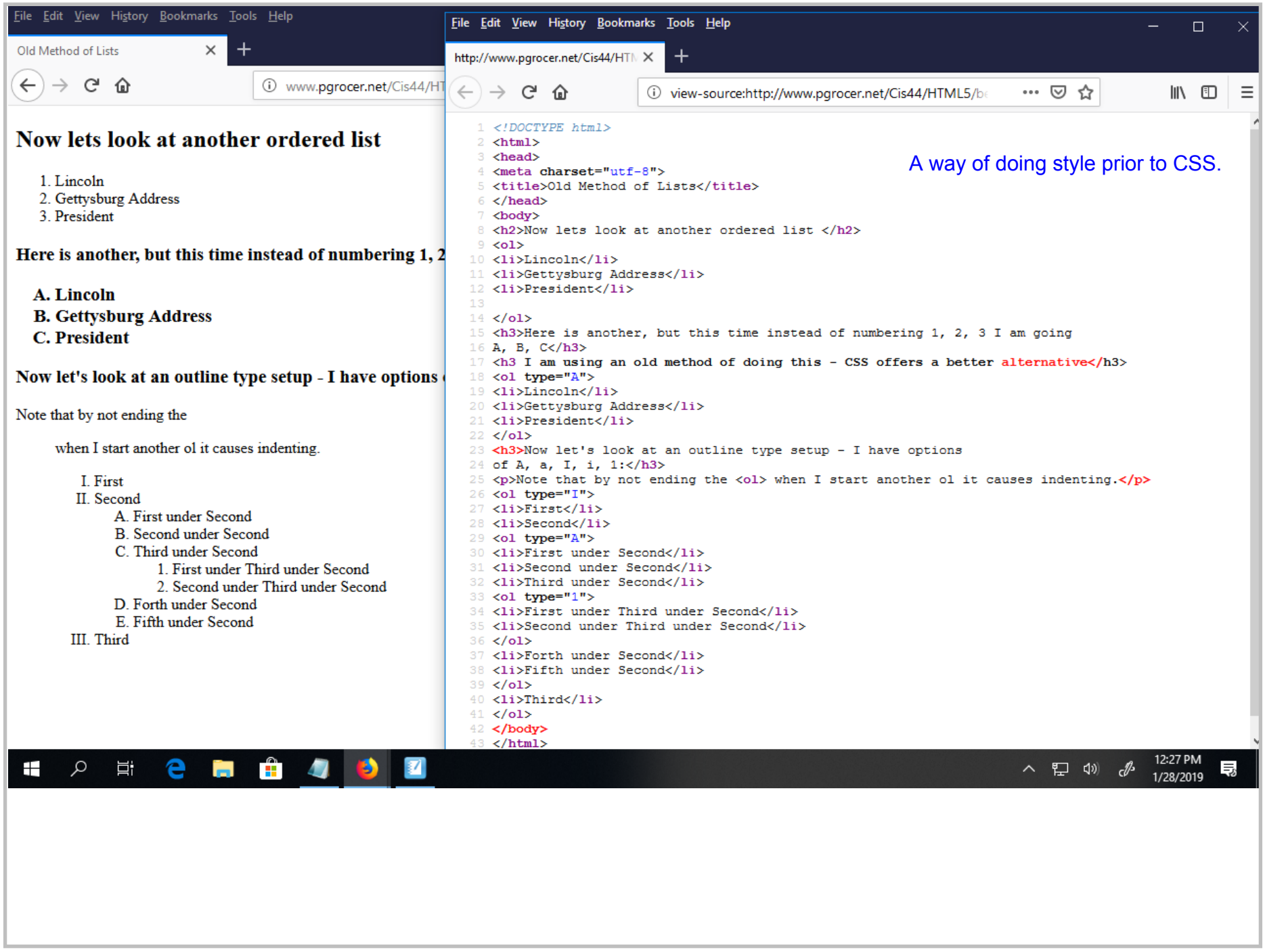
This service runs the W3C Markup Validator, v1.3+hg.
COPYRIGHT © 1994-2013 W3C® (MIT, ERCIM, KEIO, BEIHANG), ALL RIGHTS RESERVED. W3C LIABILITY, TRADEMARK, DOCUMENT USE AND SOFTWARE LICENSING RULES APPLY. YOUR
12:23 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Web using an unordered list
The W3C Markup Validation Se
Showing results for http://ww
https://validator.w3.org/nu/?doc=http%3A%2F%2Fwww.pgrocer.net%2FCis44%2FHTML5%2Fbeginning
Nu Html Checker
This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change
Showing results for http://www.pgrocer.net/Cis44/HTML5/beginning/webhdslist5.html
Checker Input
Show source outline image report
Options...
Check by address
http://www.pgrocer.net/Cis44/HTML5/beginning/webhdslist5.html
Check
Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.
Message Filtering
1. Warning Consider adding a lang attribute to the html start tag to declare the language of this document.
From line 1, column 16; to line 2, column 6
TYPE html><html><head
For further guidance, consult Declaring the overall language of a page and Choosing language tags.
If the HTML checker has misidentified the language of this document, please file an issue report or send e-mail to report the problem.
Document checking completed.
12:25 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Old Method of Lists
www.pgrocer.net/Cis44/HT
Now lets look at another ordered list
1. Lincoln
2. Gettysburg Address
3. President
Here is another, but this time instead of numbering 1, 2
A. Lincoln
B. Gettysburg Address
C. President
Now let's look at an outline type setup - I have options
Note that by not ending the
when I start another ol it causes indenting.
I. First
II. Second
A. First under Second
B. Second under Second
C. Third under Second
1. First under Third under Second
2. Second under Third under Second
D. Forth under Second
E. Fifth under Second
III. Third
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
A way of doing style prior to CSS.
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Old Method of Lists</title>
</head>
<body>
<h2>Now lets look at another ordered list </h2>

Lincoln
Gettysburg Address
President

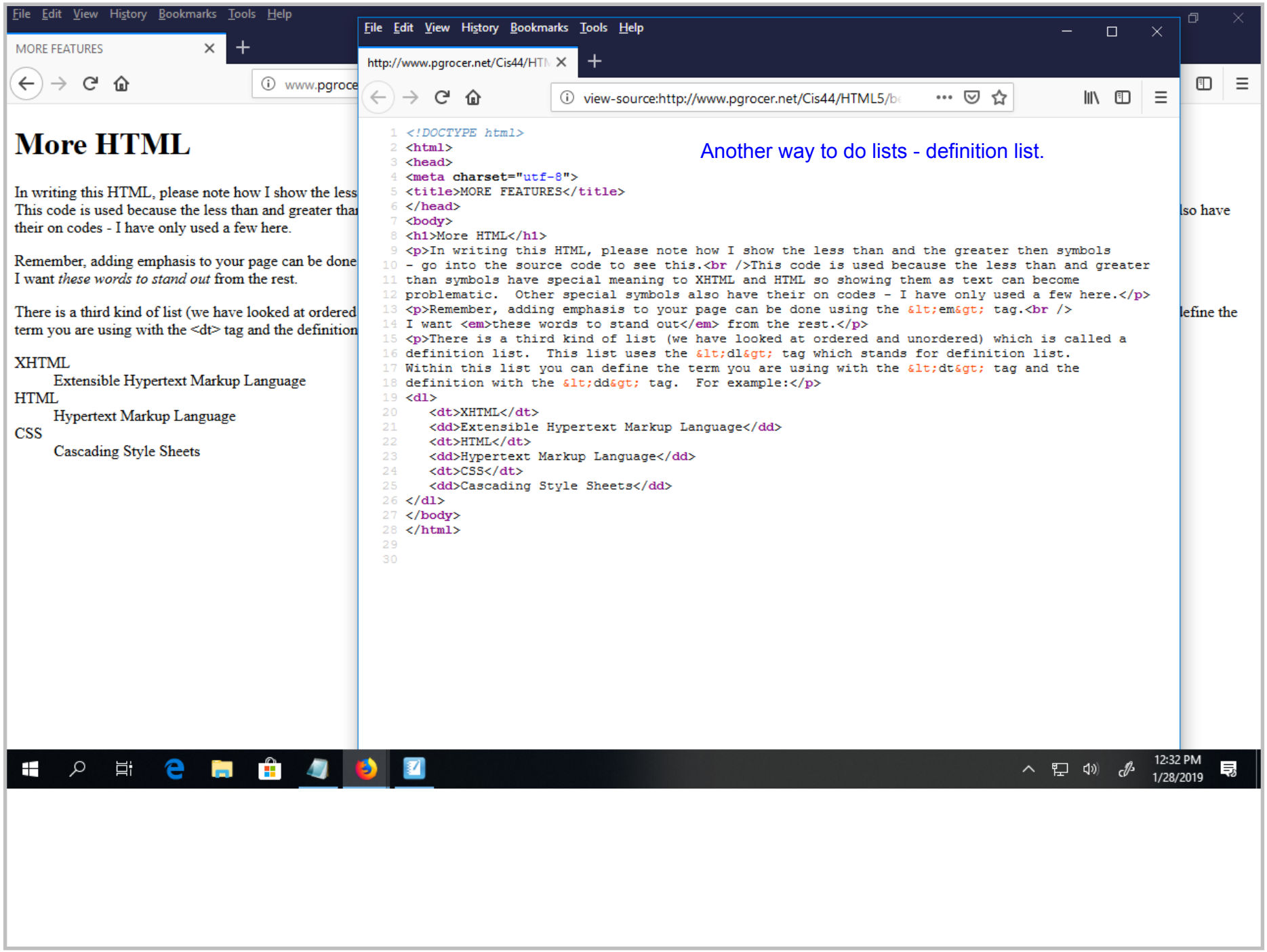
<h3>Here is another, but this time instead of numbering 1, 2, 3 I am going
A, B, C</h3>
<h3 I am using an old method of doing this - CSS offers a better alternative</h3>
<ol type="A">
Lincoln
Gettysburg Address
President

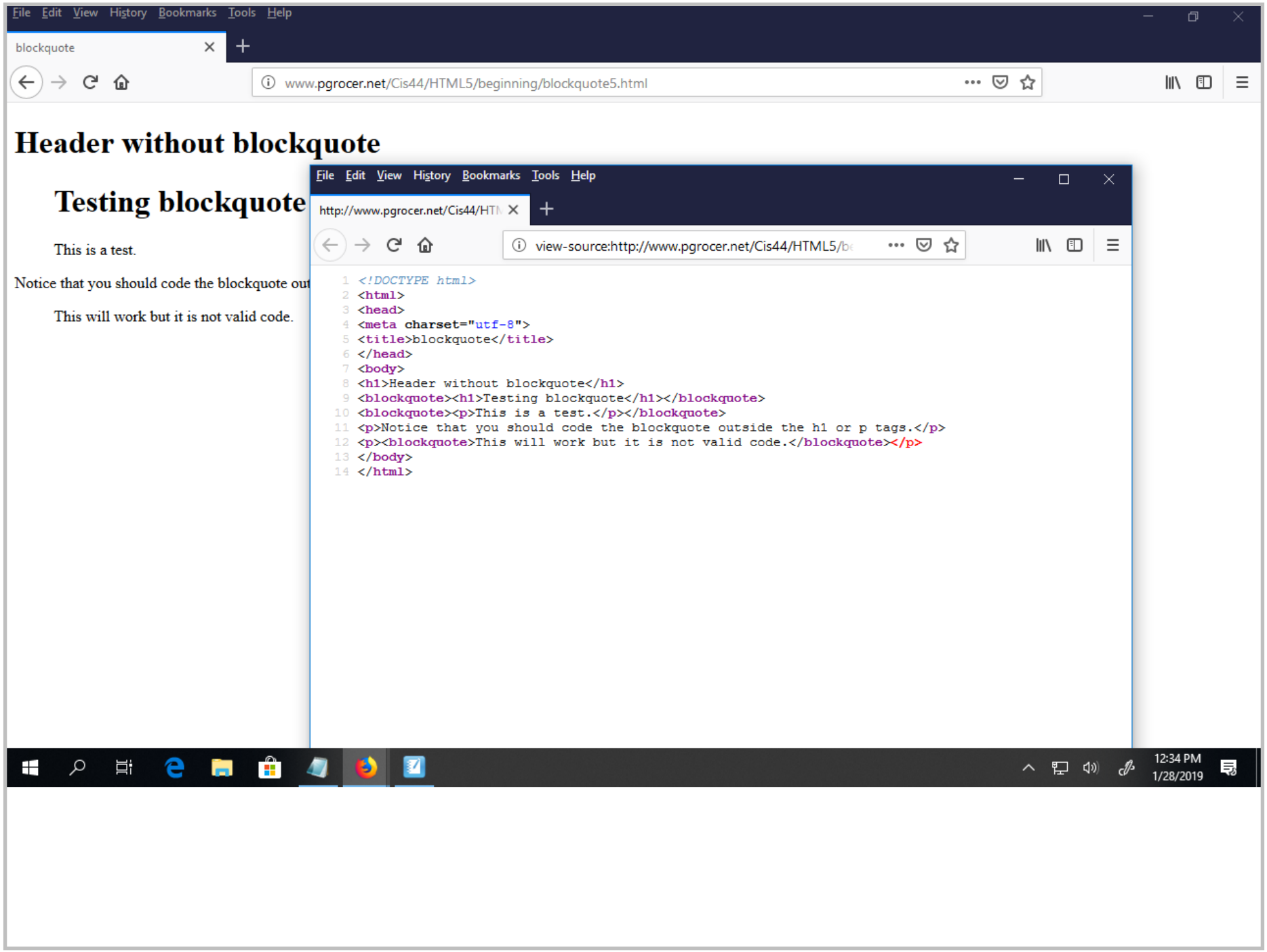
<h3>Now let's look at an outline type setup - I have options
of A, a, I, i, 1:</h3>
Note that by not ending the <ol> when I start another ol it causes indenting.
<ol type="I">
First
Second
<ol type="A">
First under Second
Second under Second
Third under Second
<ol type="1">
First under Third under Second
Second under Third under Second

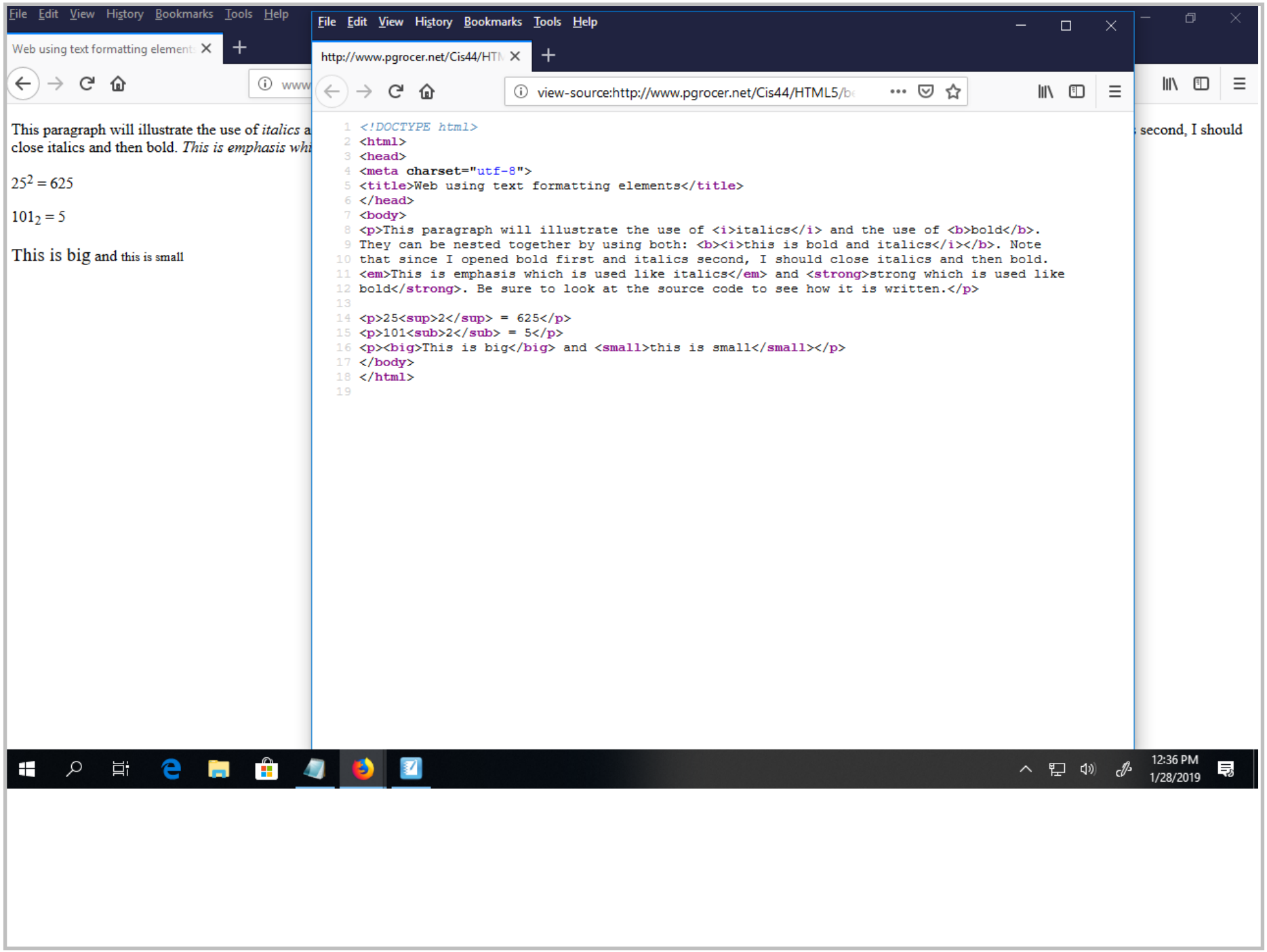
Forth under Second
Fifth under Second

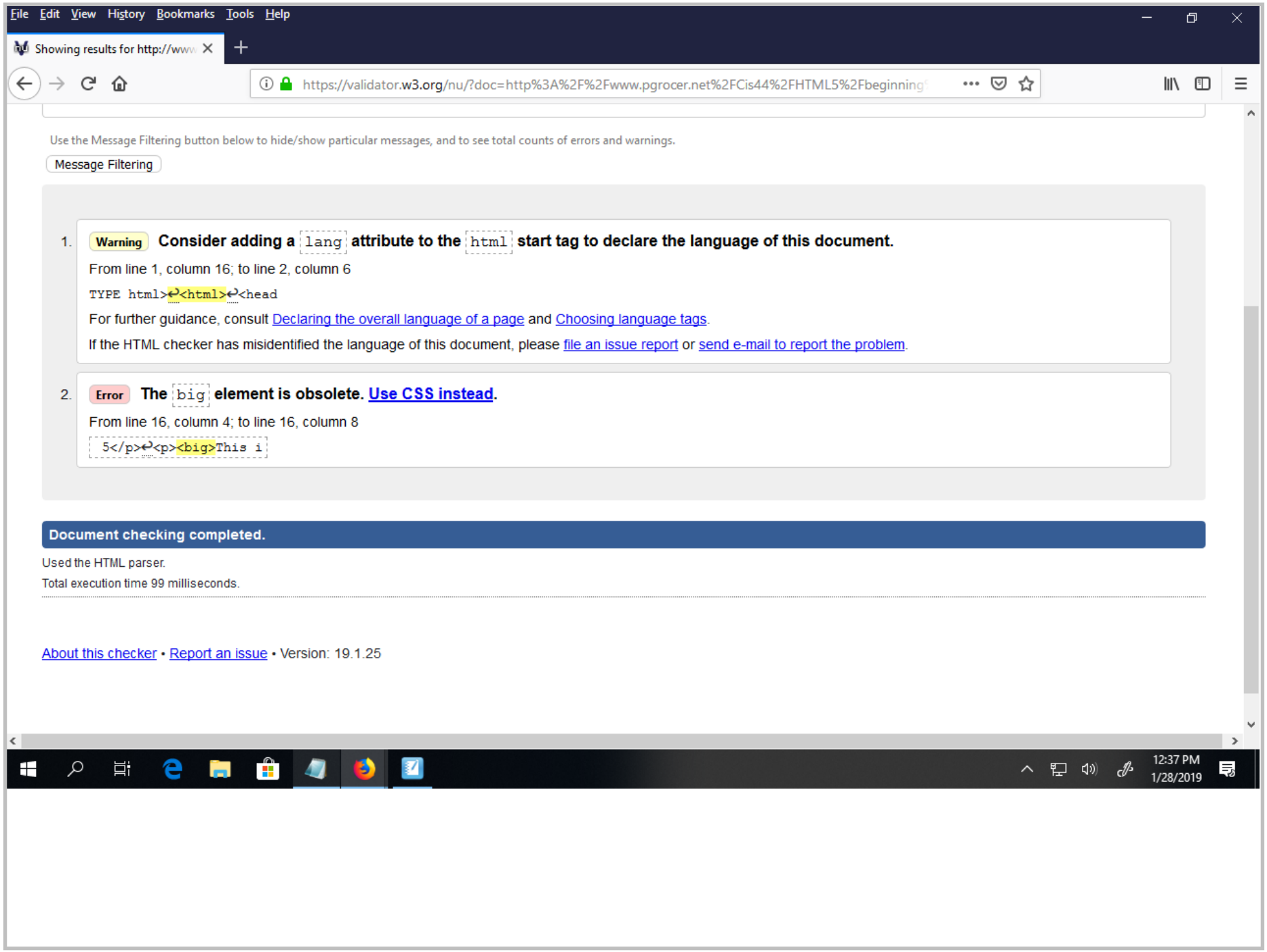
Third

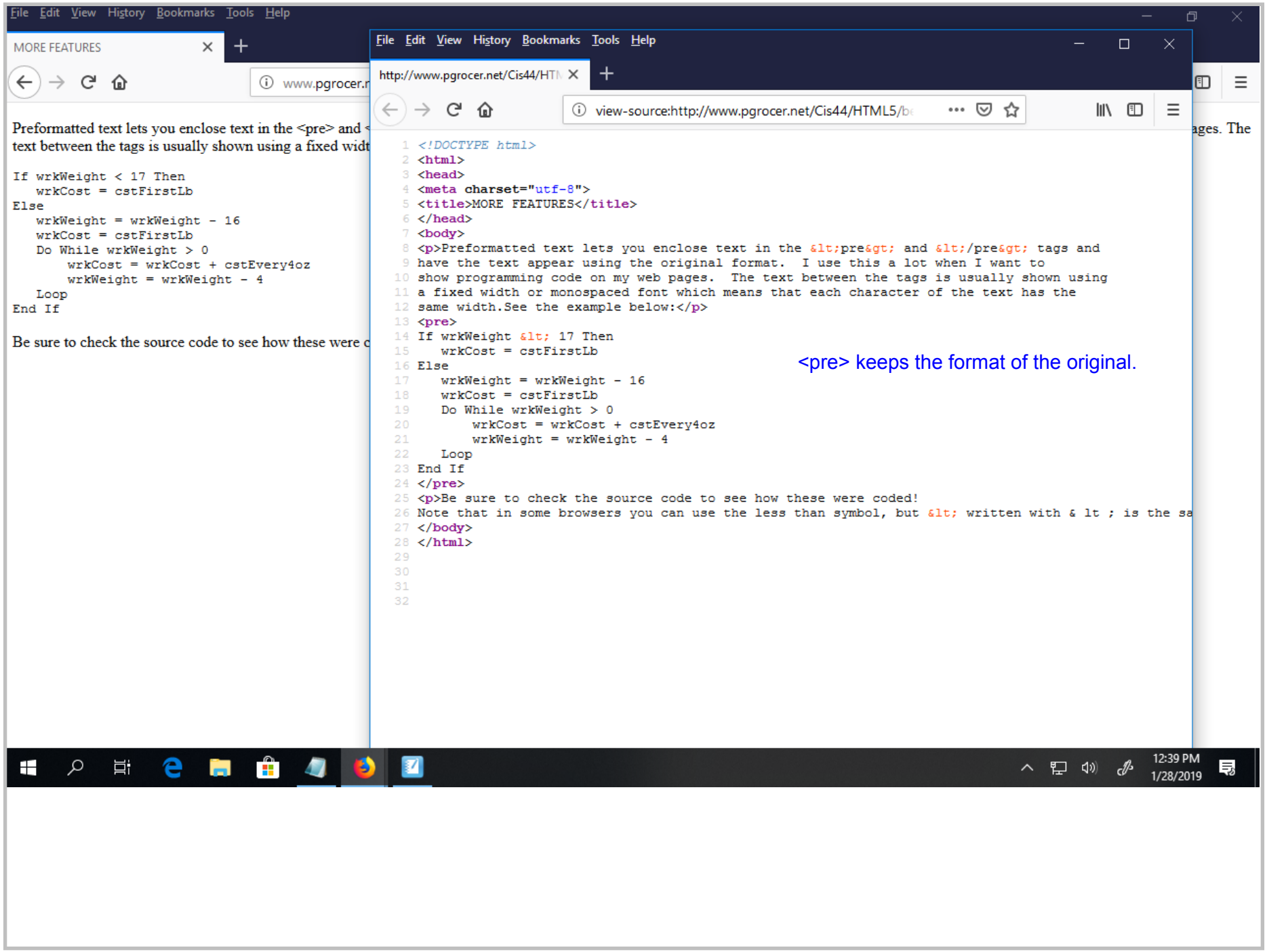
</body>
</html>
12:27 PM
1/28/2019

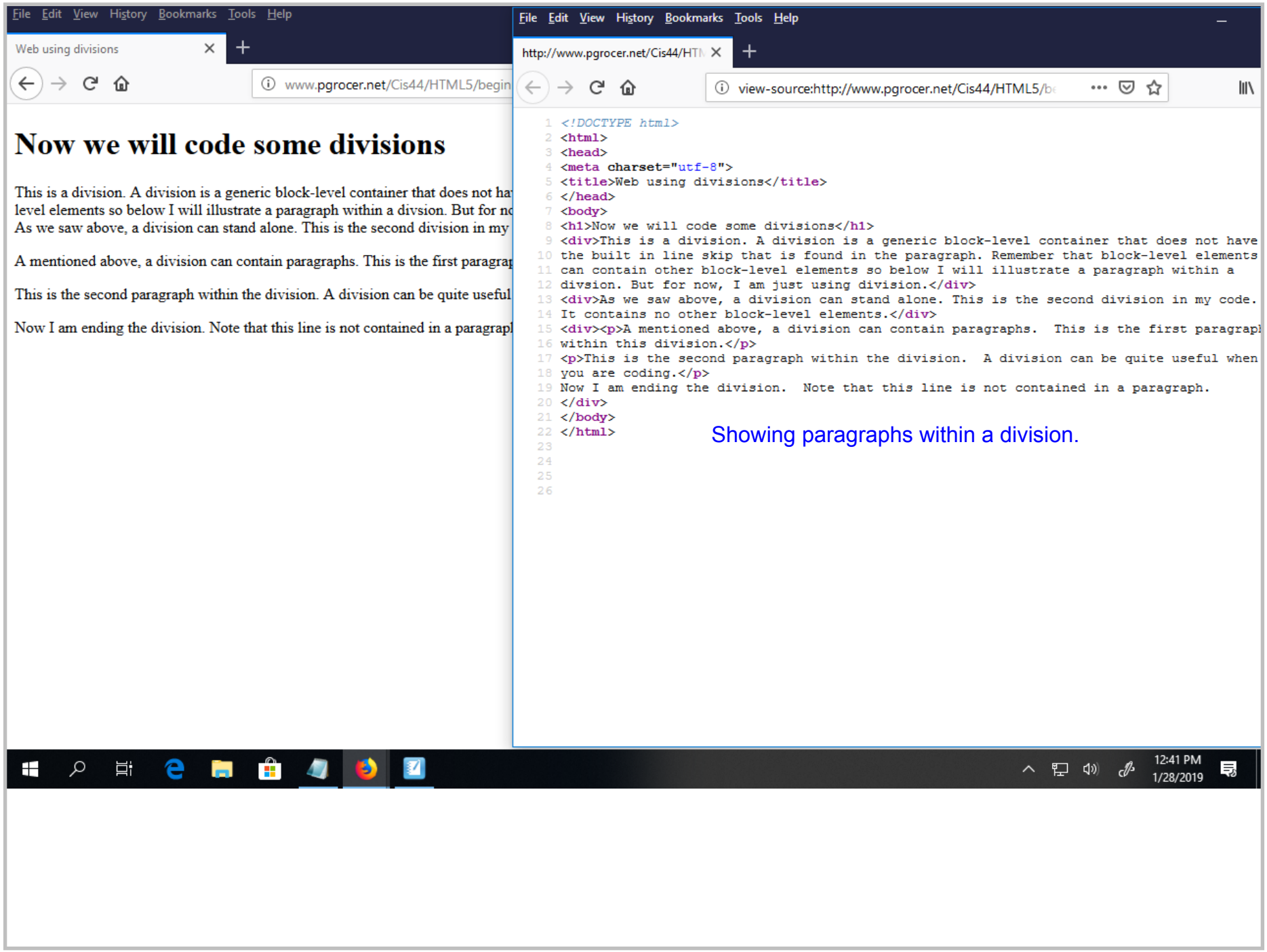

File Edit View History Bookmarks Tools Help
MORE FEATURES
www.pgroce
More HTML
In writing this HTML, please note how I show the less
This code is used because the less than and greater tha
their on codes - I have only used a few here.
Remember, adding emphasis to your page can be done
I want these words to stand out from the rest.
There is a third kind of list (we have looked at ordered
term you are using with the <dt> tag and the definition
XHTML
Extensible Hypertext Markup Language
HTML
Hypertext Markup Language
CSS
Cascading Style Sheets
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
Another way to do lists - definition list.
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>MORE FEATURES</title>
6 </head>
7 <body>
8 <h1>More HTML</h1>
9 In writing this HTML, please note how I show the less than and the greater then symbols
10 - go into the source code to see this.
This code is used because the less than and greater
11 than symbols have special meaning to XHTML and HTML so showing them as text can become
12 problematic. Other special symbols also have their on codes - I have only used a few here.
13 Remember, adding emphasis to your page can be done using the <em> tag.
14 I want these words to stand out from the rest.
15 There is a third kind of list (we have looked at ordered and unordered) which is called a
16 definition list. This list uses the <dl> tag which stands for definition list.
17 Within this list you can define the term you are using with the <dt> tag and the
18 definition with the <dd> tag. For example:
19 <dl>
20 <dt>XHTML</dt>
21 <dd>Extensible Hypertext Markup Language</dd>
22 <dt>HTML</dt>
23 <dd>Hypertext Markup Language</dd>
24 <dt>CSS</dt>
25 <dd>Cascading Style Sheets</dd>
26 </dl>
27 </body>
28 </html>
29
30
12:32 PM
1/28/2019


File Edit View History Bookmarks Tools Help
blockquote
www.pgrocer.net/Cis44/HTML5/beginning/blockquote5.html
Header without blockquote
Testing blockquote
This is a test.
Notice that you should code the blockquote out
This will work but it is not valid code.
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>blockquote</title>
6 </head>
7 <body>
8 <h1>Header without blockquote</h1>
9 <blockquote><h1>Testing blockquote</h1></blockquote>
10 <blockquote> This is a test. </blockquote>
11 Notice that you should code the blockquote outside the h1 or p tags.
12 <blockquote>This will work but it is not valid code.</blockquote>
13 </body>
14 </html>
12:34 PM
1/28/2019

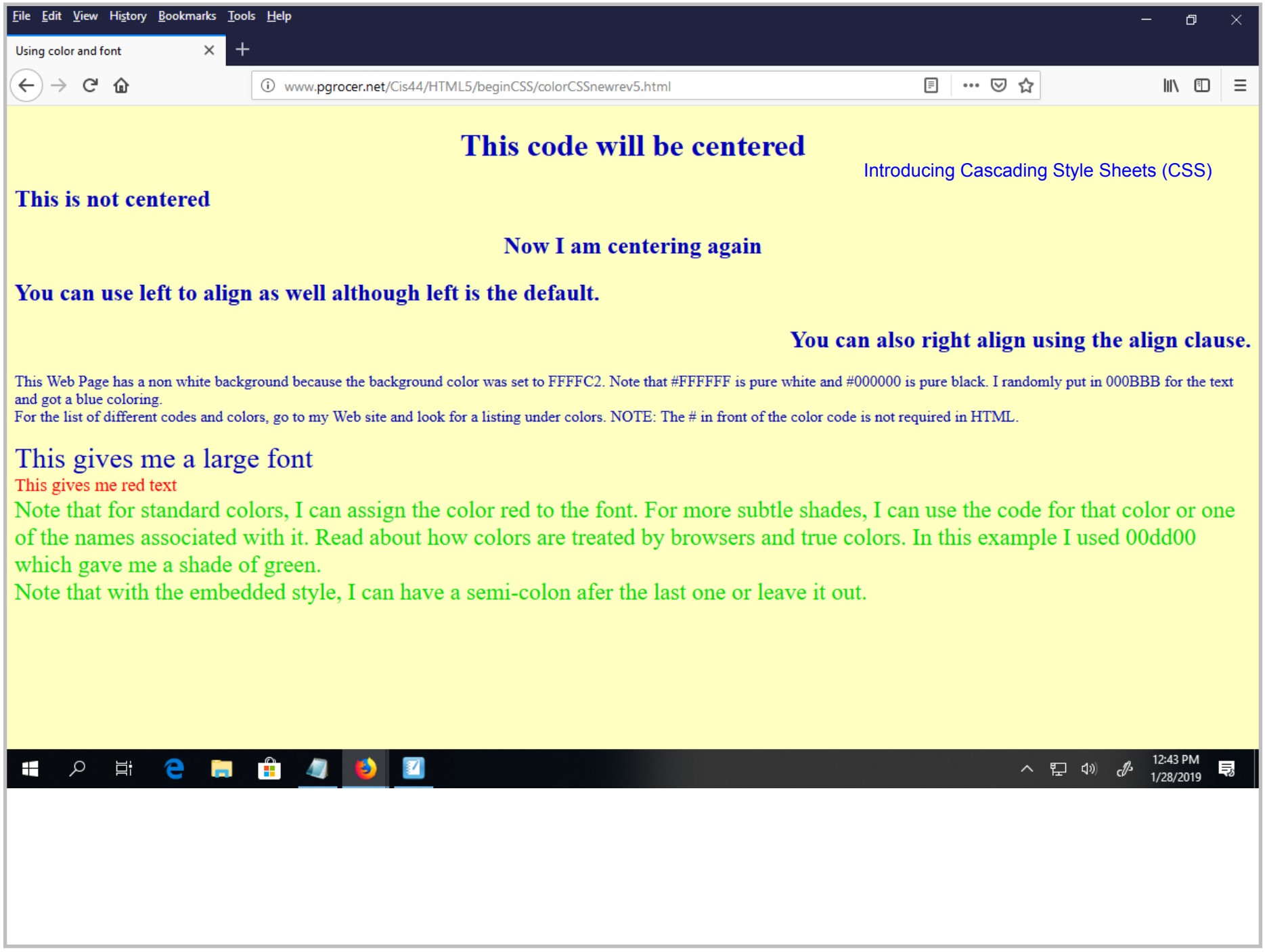

File Edit View History Bookmarks Tools Help
Web using text formatting element
This paragraph will illustrate the use of *italics* a
close italics and then bold. *This is emphasis whi
second, I should
$25^2 = 625$
$101_2 = 5$
This is big and this is small
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Web using text formatting elements</title>
</head>
<body>
This paragraph will illustrate the use of italics and the use of bold.
They can be nested together by using both: this is bold and italics. Note
that since I opened bold first and italics second, I should close italics and then bold.
This is emphasis which is used like italics and strong which is used like
bold. Be sure to look at the source code to see how it is written.
25² = 625
101₂ = 5
<big>This is big</big> and <small>this is small</small>
</body>
</html>
12:36 PM
1/28/2019

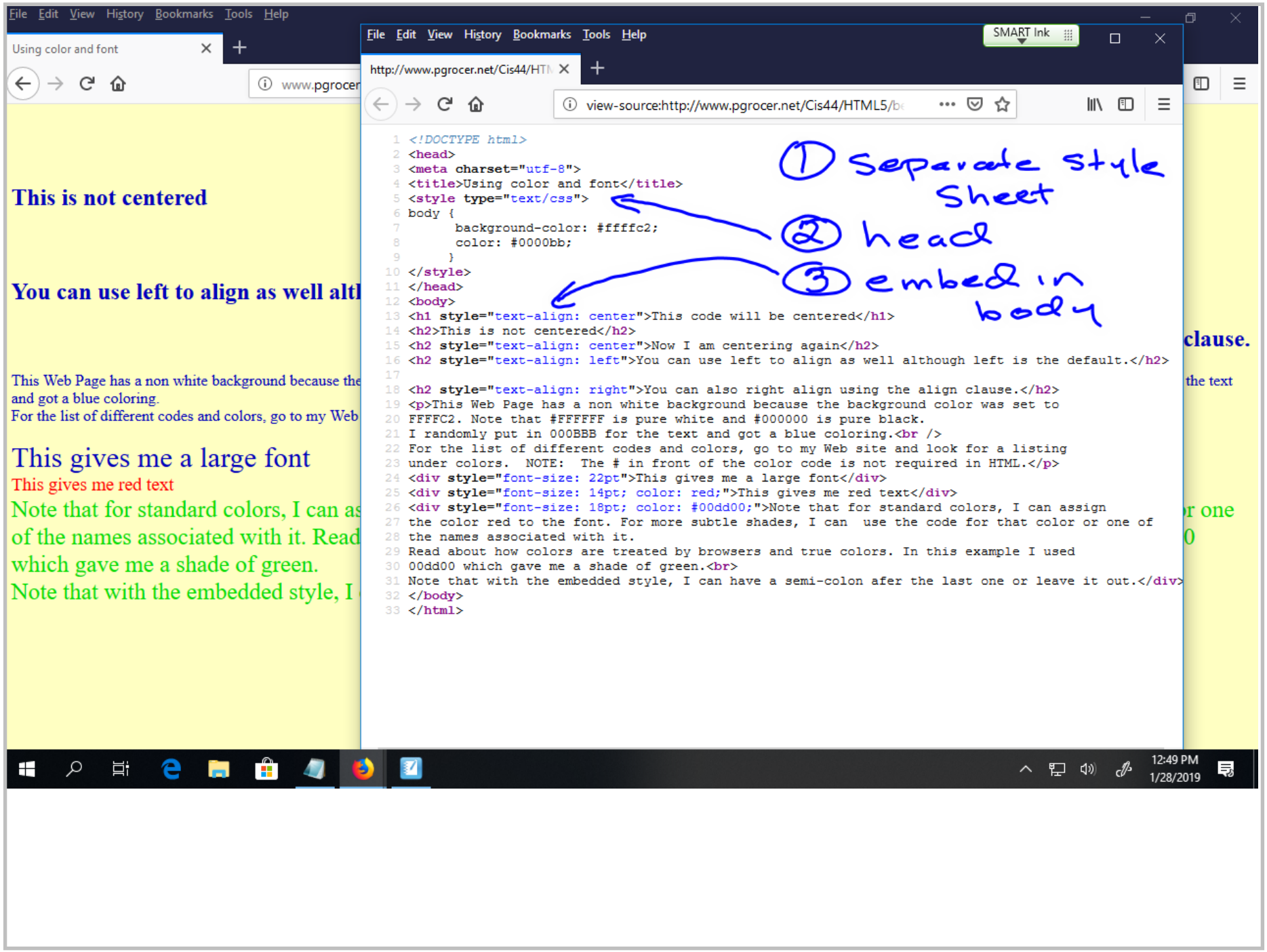

File Edit View History Bookmarks Tools Help
Showing results for http://www
https://validator.w3.org/nu/?doc=http%3A%2F%2Fwww.pgrocer.net%2FCis44%2FHTML5%2Fbeginning
Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.
Message Filtering
1. Warning Consider adding a lang attribute to the html start tag to declare the language of this document.
From line 1, column 16; to line 2, column 6
TYPE html><html><head
For further guidance, consult Declaring the overall language of a page and Choosing language tags.
If the HTML checker has misidentified the language of this document, please file an issue report or send e-mail to report the problem.
2. Error The big element is obsolete. Use CSS instead.
From line 16, column 4; to line 16, column 8
5 <big>This i
Document checking completed.
Used the HTML parser.
Total execution time 99 milliseconds.
About this checker • Report an issue • Version: 19.1.25
12:37 PM
1/28/2019

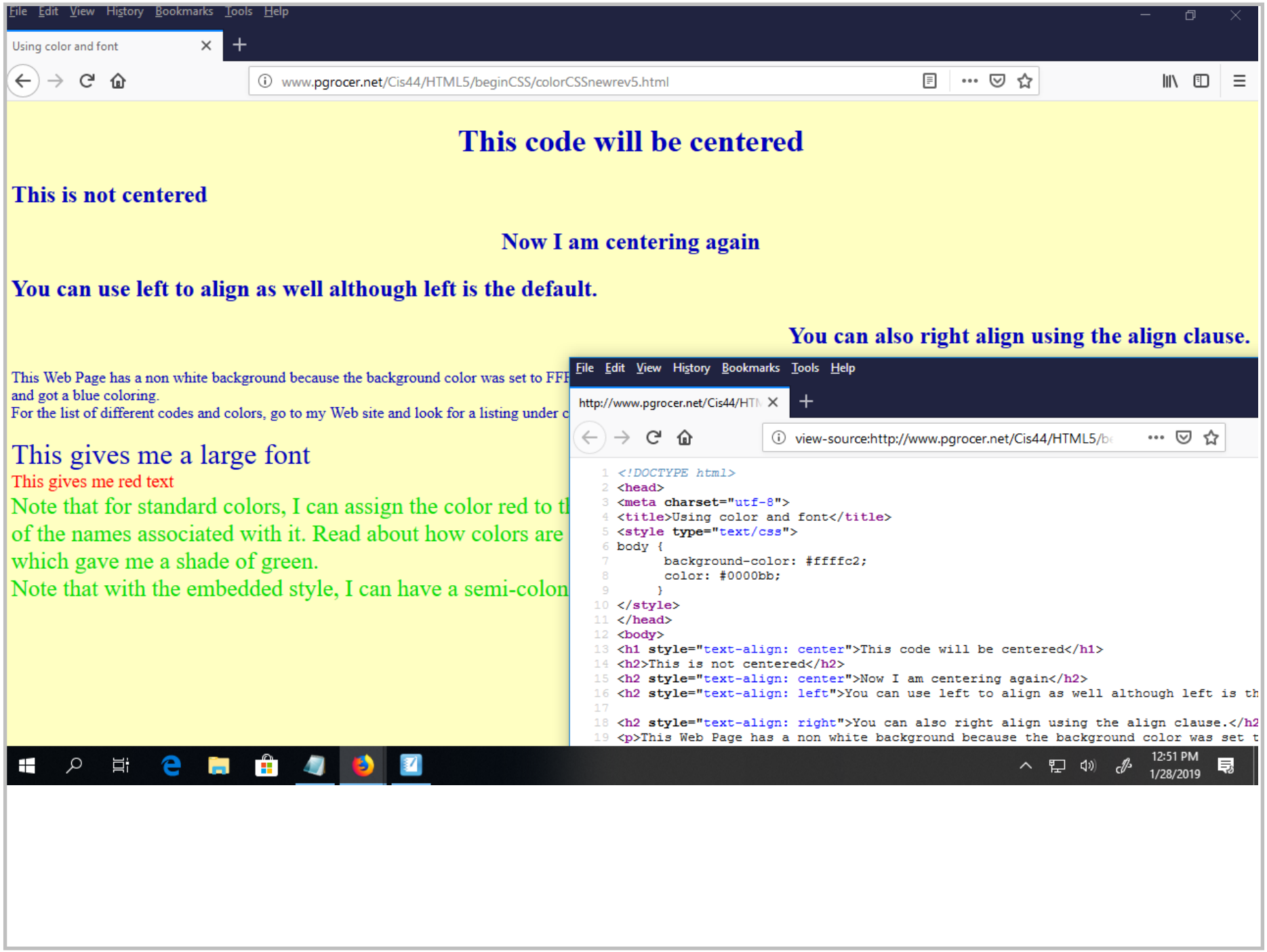

File Edit View History Bookmarks Tools Help
MORE FEATURES
www.pgrocer.n
Preformatted text lets you enclose text in the <pre> and <
text between the tags is usually shown using a fixed widt
If wrkWeight < 17 Then
wrkCost = cstFirstLb
Else
wrkWeight = wrkWeight - 16
wrkCost = cstFirstLb
Do While wrkWeight > 0
wrkCost = wrkCost + cstEvery4oz
wrkWeight = wrkWeight - 4
Loop
End If
Be sure to check the source code to see how these were c
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>MORE FEATURES</title>
6 </head>
7 <body>
8 Preformatted text lets you enclose text in the <pre> and </pre> tags and
9 have the text appear using the original format. I use this a lot when I want to
10 show programming code on my web pages. The text between the tags is usually shown using
11 a fixed width or monospaced font which means that each character of the text has the
12 same width.See the example below:
13 <pre>
14 If wrkWeight < 17 Then
15 wrkCost = cstFirstLb
16 Else
17 wrkWeight = wrkWeight - 16
18 wrkCost = cstFirstLb
19 Do While wrkWeight > 0
20 wrkCost = wrkCost + cstEvery4oz
21 wrkWeight = wrkWeight - 4
22 Loop
23 End If
24 </pre>
25 Be sure to check the source code to see how these were coded!
26 Note that in some browsers you can use the less than symbol, but < written with & lt ; is the sa
27 </body>
28 </html>
29
30
31
32
<pre> keeps the format of the original.
12:39 PM
1/28/2019

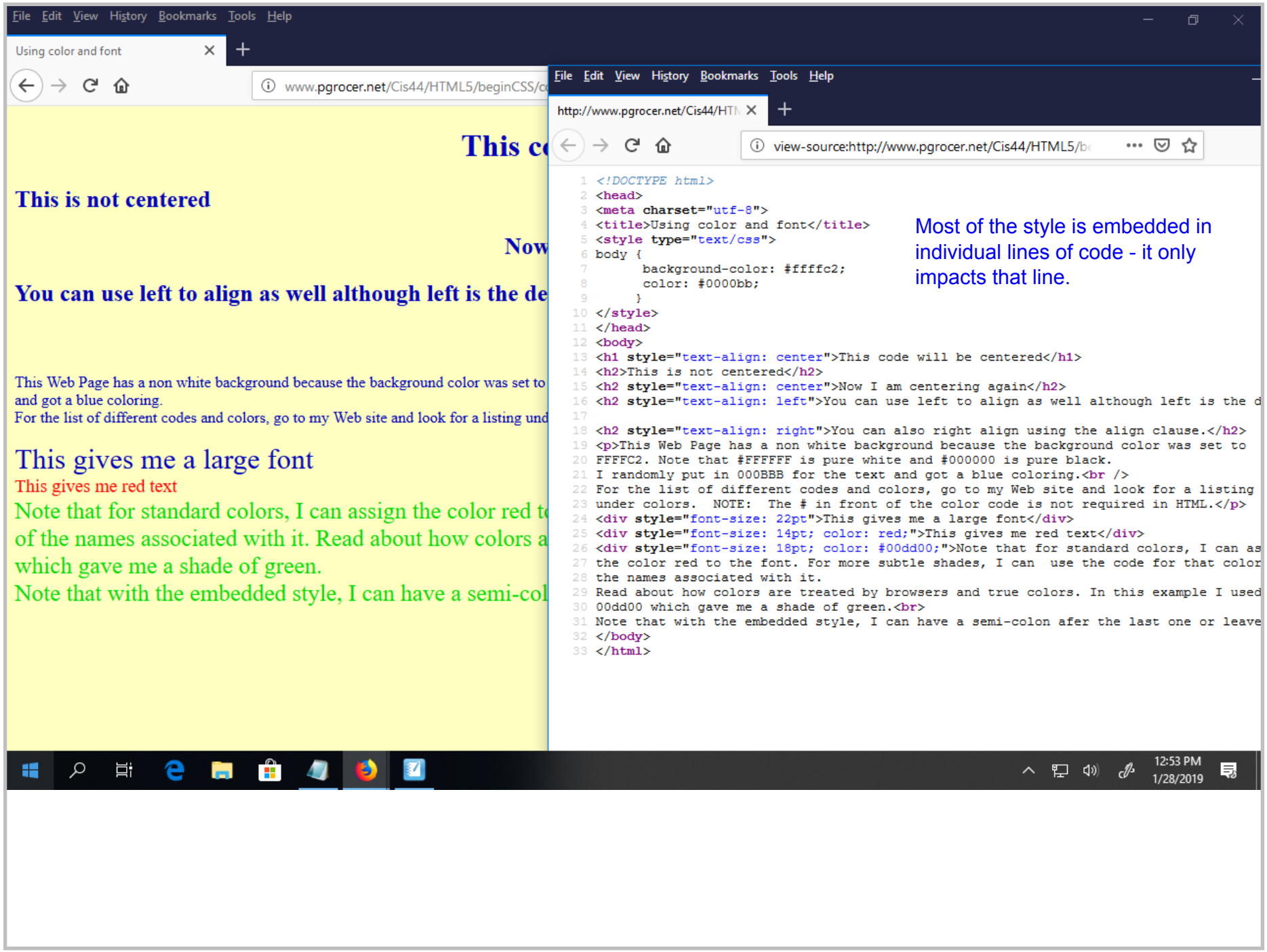

File Edit View History Bookmarks Tools Help
Web using divisions
www.pgrocer.net/Cis44/HTML5/begin
Now we will code some divisions
This is a division. A division is a generic block-level container that does not ha
level elements so below I will illustrate a paragraph within a divsion. But for nc
As we saw above, a division can stand alone. This is the second division in my
A mentioned above, a division can contain paragraphs. This is the first paragrap
This is the second paragraph within the division. A division can be quite useful
Now I am ending the division. Note that this line is not contained in a paragrapl
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HT
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Web using divisions</title>
</head>
<body>
<h1>Now we will code some divisions</h1>
This is a division. A division is a generic block-level container that does not have
the built in line skip that is found in the paragraph. Remember that block-level elements
can contain other block-level elements so below I will illustrate a paragraph within a
divsion. But for now, I am just using division.
As we saw above, a division can stand alone. This is the second division in my code.
It contains no other block-level elements.
A mentioned above, a division can contain paragraphs. This is the first paragrapl
within this division.
This is the second paragraph within the division. A division can be quite useful when
you are coding.
Now I am ending the division. Note that this line is not contained in a paragraph.

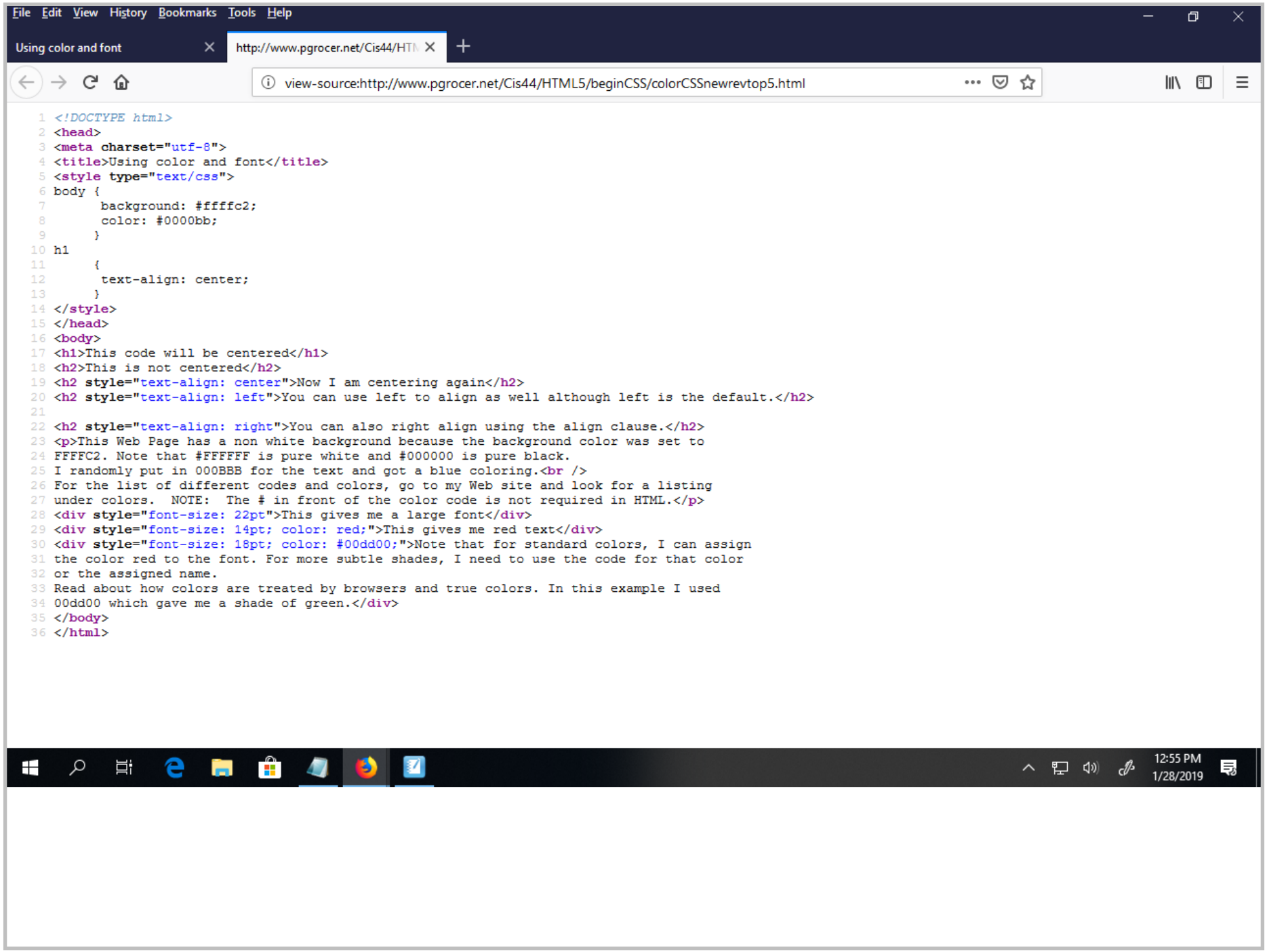
</body>
</html>
Showing paragraphs within a division.
12:41 PM
1/28/2019

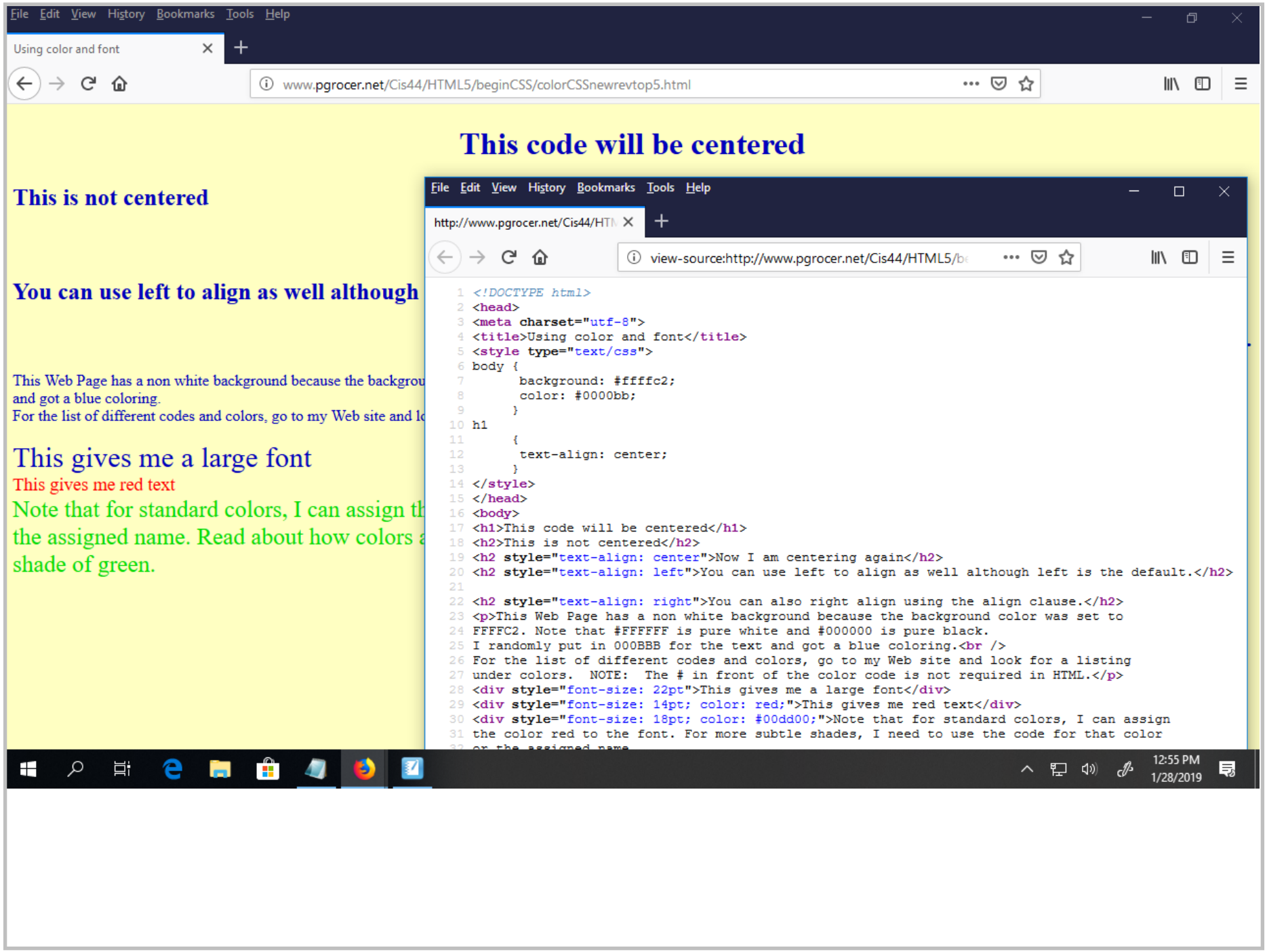

File Edit View History Bookmarks Tools Help
Using color and font
www.pgrocer.net/Cis44/HTML5/beginCSS/colorCSSnewrev5.html
This code will be centered
Introducing Cascading Style Sheets (CSS)
This is not centered
Now I am centering again
You can use left to align as well although left is the default.
You can also right align using the align clause.
This Web Page has a non white background because the background color was set to FFFFC2. Note that #FFFFFF is pure white and #000000 is pure black. I randomly put in 000BBB for the text and got a blue coloring.
For the list of different codes and colors, go to my Web site and look for a listing under colors. NOTE: The # in front of the color code is not required in HTML.
This gives me a large font
This gives me red text
Note that for standard colors, I can assign the color red to the font. For more subtle shades, I can use the code for that color or one of the names associated with it. Read about how colors are treated by browsers and true colors. In this example I used 00dd00 which gave me a shade of green.
Note that with the embedded style, I can have a semi-colon afer the last one or leave it out.
12:43 PM
1/28/2019

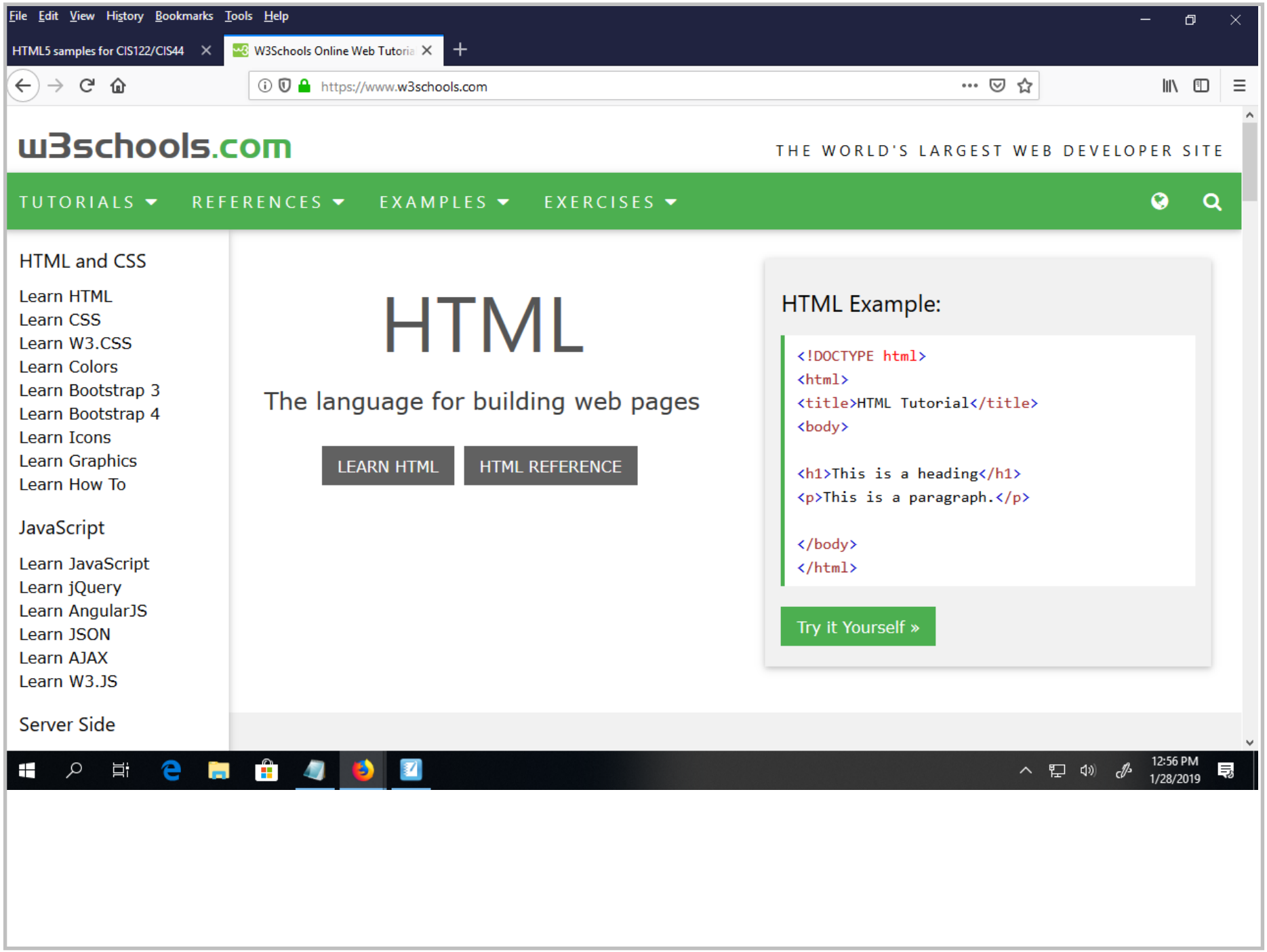

File Edit View History Bookmarks Tools Help
Using color and font
www.pgrocer
This is not centered
You can use left to align as well alth
This Web Page has a non white background because the
and got a blue coloring.
For the list of different codes and colors, go to my Web
This gives me a large font
This gives me red text
Note that for standard colors, I can as
of the names associated with it. Read
which gave me a shade of green.
Note that with the embedded style, I
clause.
the text
r one
0
File Edit View History Bookmarks Tools Help
SMART Ink
http://www.pgrocer.net/Cis44/HT
view-source:http://www.pgrocer.net/Cis44/HTML5/b
1 <!DOCTYPE html>
2 <head>
3 <meta charset="utf-8">
4 <title>Using color and font</title>
5 <style type="text/css">
6 body {
7 background-color: #ffffc2;
8 color: #0000bb;
9 }
10 </style>
11 </head>
12 <body>
13 <h1 style="text-align: center">This code will be centered</h1>
14 <h2>This is not centered</h2>
15 <h2 style="text-align: center">Now I am centering again</h2>
16 <h2 style="text-align: left">You can use left to align as well although left is the default.</h2>
17
18 <h2 style="text-align: right">You can also right align using the align clause.</h2>
19 This Web Page has a non white background because the background color was set to
20 FFFFC2. Note that #FFFFFF is pure white and #000000 is pure black.
21 I randomly put in 000BBB for the text and got a blue coloring.
22 For the list of different codes and colors, go to my Web site and look for a listing
23 under colors. NOTE: The # in front of the color code is not required in HTML.
24 This gives me a large font
25 This gives me red text
26 Note that for standard colors, I can assign
27 the color red to the font. For more subtle shades, I can use the code for that color or one of
28 the names associated with it.
29 Read about how colors are treated by browsers and true colors. In this example I used
30 00dd00 which gave me a shade of green.
31 Note that with the embedded style, I can have a semi-colon afer the last one or leave it out.
32 </body>
33 </html>
1 Separate style Sheet
2 head
3 embed in body
12:49 PM
1/28/2019

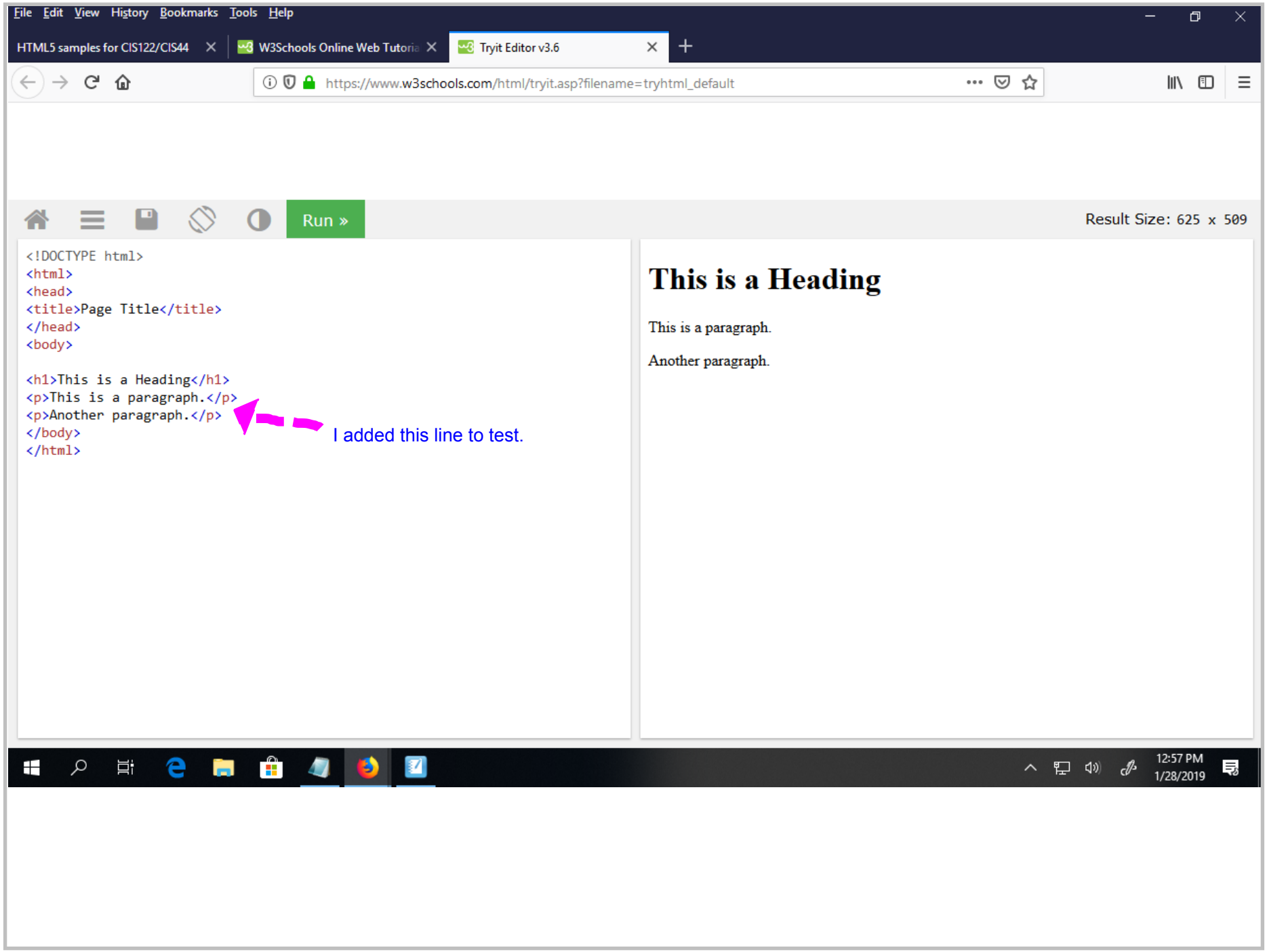

File Edit View History Bookmarks Tools Help
Using color and font
www.pgrocer.net/Cis44/HTML5/beginCSS/colorCSSnewrev5.html
This code will be centered
This is not centered
Now I am centering again
You can use left to align as well although left is the default.
You can also right align using the align clause.
This Web Page has a non white background because the background color was set to FFF
and got a blue coloring.
For the list of different codes and colors, go to my Web site and look for a listing under c
This gives me a large font
This gives me red text
Note that for standard colors, I can assign the color red to t
of the names associated with it. Read about how colors are
which gave me a shade of green.
Note that with the embedded style, I can have a semi-colon
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HT
view-source:http://www.pgrocer.net/Cis44/HTML5/b
1 <!DOCTYPE html>
2 <head>
3 <meta charset="utf-8">
4 <title>Using color and font</title>
5 <style type="text/css">
6 body {
7 background-color: #ffffc2;
8 color: #0000bb;
9 }
10 </style>
11 </head>
12 <body>
13 <h1 style="text-align: center">This code will be centered</h1>
14 <h2>This is not centered</h2>
15 <h2 style="text-align: center">Now I am centering again</h2>
16 <h2 style="text-align: left">You can use left to align as well although left is th
17
18 <h2 style="text-align: right">You can also right align using the align clause.</h2
19 <p>This Web Page has a non white background because the background color was set t
12:51 PM
1/28/2019

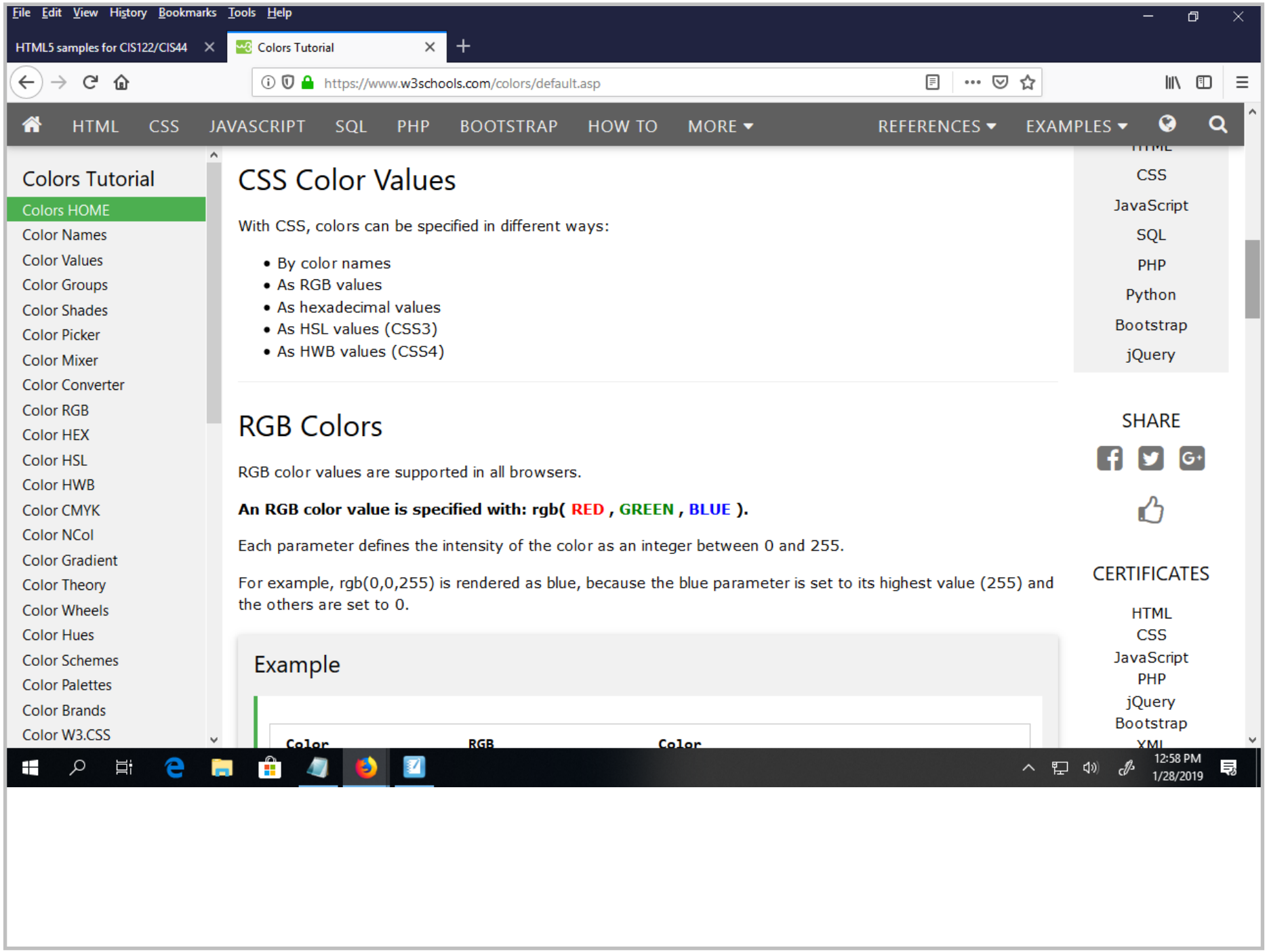

File Edit View History Bookmarks Tools Help
Using color and font
www.pgrocer.net/Cis44/HTML5/beginCSS/
This c
This is not centered
Now
You can use left to align as well although left is the de
This Web Page has a non white background because the background color was set to
and got a blue coloring.
For the list of different codes and colors, go to my Web site and look for a listing und
This gives me a large font
This gives me red text
Note that for standard colors, I can assign the color red t
of the names associated with it. Read about how colors a
which gave me a shade of green.
Note that with the embedded style, I can have a semi-col
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HT
view-source:http://www.pgrocer.net/Cis44/HTML5/b
1 <!DOCTYPE html>
2 <head>
3 <meta charset="utf-8">
4 <title>Using color and font</title>
5 <style type="text/css">
6 body {
7 background-color: #ffffc2;
8 color: #0000bb;
9 }
10 </style>
11 </head>
12 <body>
13 <h1 style="text-align: center">This code will be centered</h1>
14 <h2>This is not centered</h2>
15 <h2 style="text-align: center">Now I am centering again</h2>
16 <h2 style="text-align: left">You can use left to align as well although left is the d
17
18 <h2 style="text-align: right">You can also right align using the align clause.</h2>
19 This Web Page has a non white background because the background color was set to
20 FFFFC2. Note that #FFFFFF is pure white and #000000 is pure black.
21 I randomly put in 000BBB for the text and got a blue coloring.
22 For the list of different codes and colors, go to my Web site and look for a listing
23 under colors. NOTE: The # in front of the color code is not required in HTML.
24 This gives me a large font
25 This gives me red text
26 Note that for standard colors, I can as
27 the color red to the font. For more subtle shades, I can use the code for that color
28 the names associated with it.
29 Read about how colors are treated by browsers and true colors. In this example I used
30 00dd00 which gave me a shade of green.
31 Note that with the embedded style, I can have a semi-colon afer the last one or leave
32 </body>
33 </html>
Most of the style is embedded in individual lines of code - it only impacts that line.
12:53 PM
1/28/2019

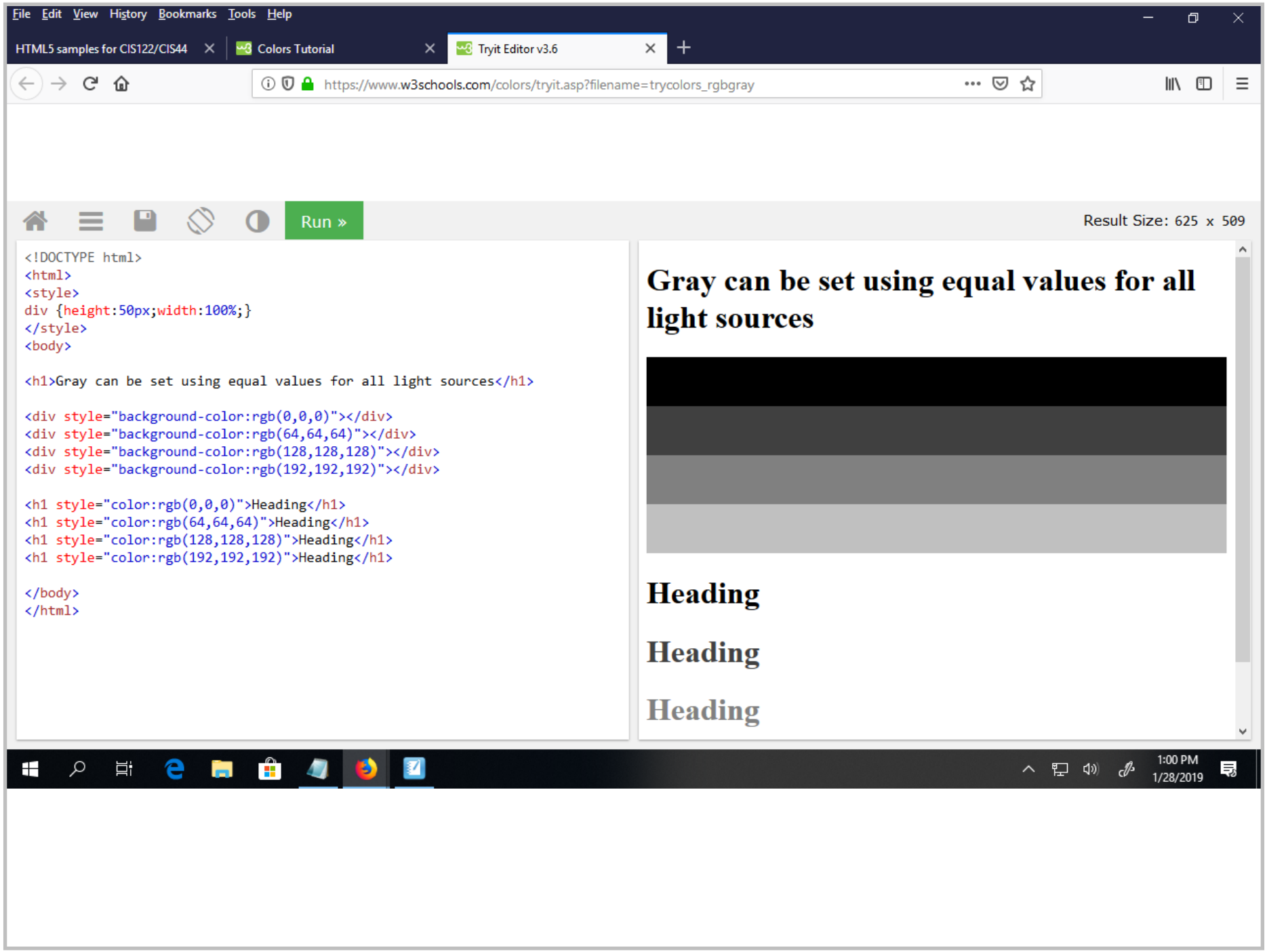

File Edit View History Bookmarks Tools Help
Using color and font
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/beginCSS/colorCSSnewrevtop5.html
1 <!DOCTYPE html>
2 <head>
3 <meta charset="utf-8">
4 <title>Using color and font</title>
5 <style type="text/css">
6 body {
7 background: #ffffc2;
8 color: #0000bb;
9 }
10 h1
11 {
12 text-align: center;
13 }
14 </style>
15 </head>
16 <body>
17 <h1>This code will be centered</h1>
18 <h2>This is not centered</h2>
19 <h2 style="text-align: center">Now I am centering again</h2>
20 <h2 style="text-align: left">You can use left to align as well although left is the default.</h2>
21
22 <h2 style="text-align: right">You can also right align using the align clause.</h2>
23 This Web Page has a non white background because the background color was set to
24 FFFFC2. Note that #FFFFFF is pure white and #000000 is pure black.
25 I randomly put in 000BBB for the text and got a blue coloring.
26 For the list of different codes and colors, go to my Web site and look for a listing
27 under colors. NOTE: The # in front of the color code is not required in HTML.
28 This gives me a large font
29 This gives me red text
30 Note that for standard colors, I can assign
31 the color red to the font. For more subtle shades, I need to use the code for that color
32 or the assigned name.
33 Read about how colors are treated by browsers and true colors. In this example I used
34 00dd00 which gave me a shade of green.
35 </body>
36 </html>
12:55 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Using color and font
www.pgrocer.net/Cis44/HTML5/beginCSS/colorCSSnewrevtop5.html
This code will be centered
This is not centered
You can use left to align as well although
This Web Page has a non white background because the backgrou
and got a blue coloring.
For the list of different codes and colors, go to my Web site and lo
This gives me a large font
This gives me red text
Note that for standard colors, I can assign th
the assigned name. Read about how colors a
shade of green.
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
1 <!DOCTYPE html>
2 <head>
3 <meta charset="utf-8">
4 <title>Using color and font</title>
5 <style type="text/css">
6 body {
7 background: #ffffc2;
8 color: #0000bb;
9 }
10 h1
11 {
12 text-align: center;
13 }
14 </style>
15 </head>
16 <body>
17 <h1>This code will be centered</h1>
18 <h2>This is not centered</h2>
19 <h2 style="text-align: center">Now I am centering again</h2>
20 <h2 style="text-align: left">You can use left to align as well although left is the default.</h2>
21
22 <h2 style="text-align: right">You can also right align using the align clause.</h2>
23 This Web Page has a non white background because the background color was set to
24 FFFFC2. Note that #FFFFFF is pure white and #000000 is pure black.
25 I randomly put in 000BBB for the text and got a blue coloring.
26 For the list of different codes and colors, go to my Web site and look for a listing
27 under colors. NOTE: The # in front of the color code is not required in HTML.
28 This gives me a large font
29 This gives me red text
30 Note that for standard colors, I can assign
31 the color red to the font. For more subtle shades, I need to use the code for that color
12:55 PM
1/28/2019

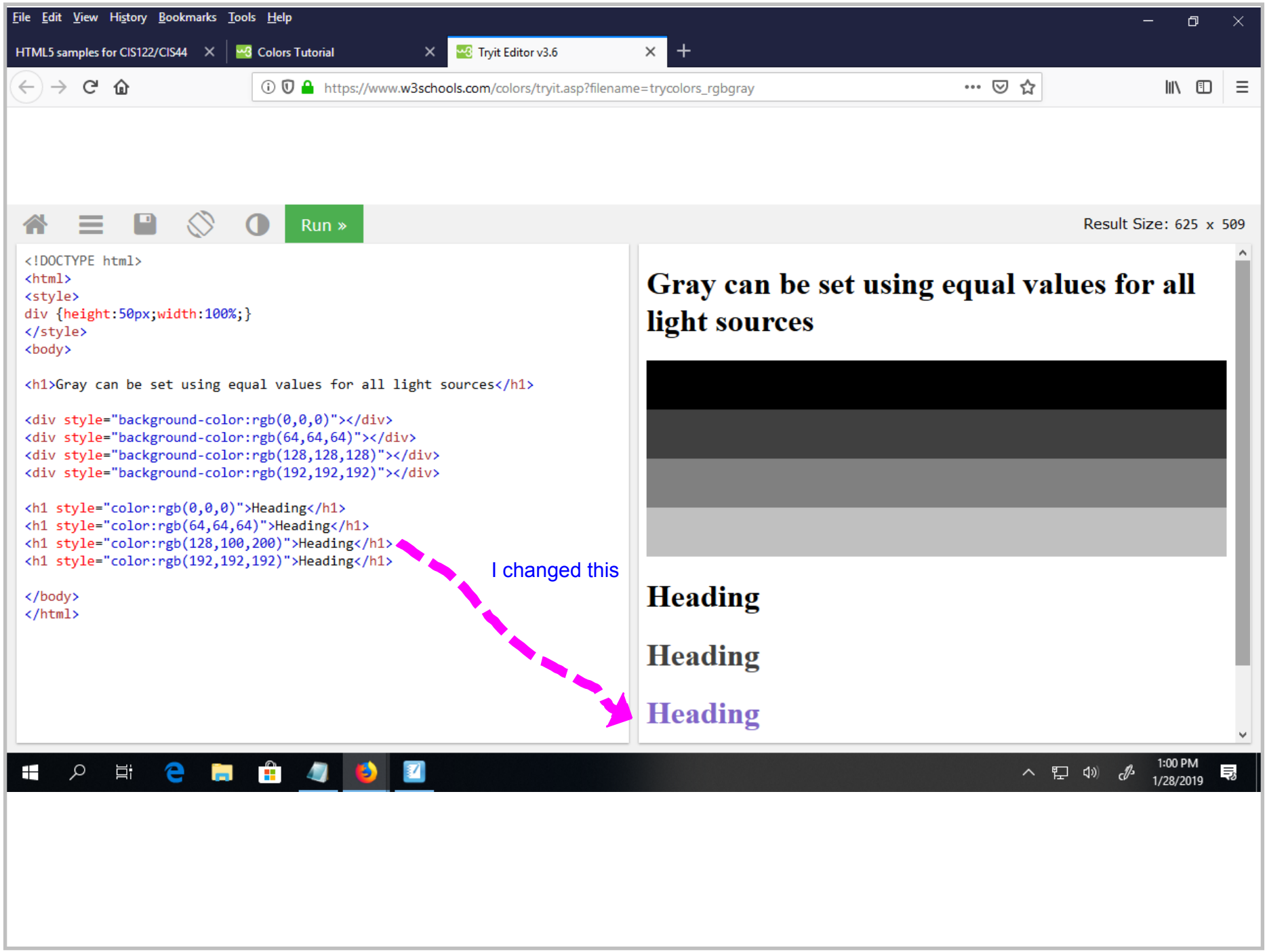

File Edit View History Bookmarks Tools Help
HTML5 samples for CIS122/CIS44
W3Schools Online Web Tutoria
https://www.w3schools.com
w3schools.com
THE WORLD'S LARGEST WEB DEVELOPER SITE
TUTORIALS
REFERENCES
EXAMPLES
EXERCISES
HTML and CSS
Learn HTML
Learn CSS
Learn W3.CSS
Learn Colors
Learn Bootstrap 3
Learn Bootstrap 4
Learn Icons
Learn Graphics
Learn How To
JavaScript
Learn JavaScript
Learn jQuery
Learn AngularJS
Learn JSON
Learn AJAX
Learn W3.JS
Server Side
HTML
The language for building web pages
LEARN HTML
HTML REFERENCE
HTML Example:
<!DOCTYPE html>
<html>
<title>HTML Tutorial</title>
<body>
<h1>This is a heading</h1>
This is a paragraph.
</body>
</html>
Try it Yourself »
12:56 PM
1/28/2019


File Edit View History Bookmarks Tools Help
HTML5 samples for CIS122/CIS44
W3Schools Online Web Tutoria
Tryit Editor v3.6
https://www.w3schools.com/html/tryit.asp?filename=tryhtml_default
Run »
Result Size: 625 x 509
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h1>This is a Heading</h1>
This is a paragraph.
Another paragraph.
</body>
</html>
I added this line to test.
This is a Heading
This is a paragraph.
Another paragraph.
12:57 PM
1/28/2019

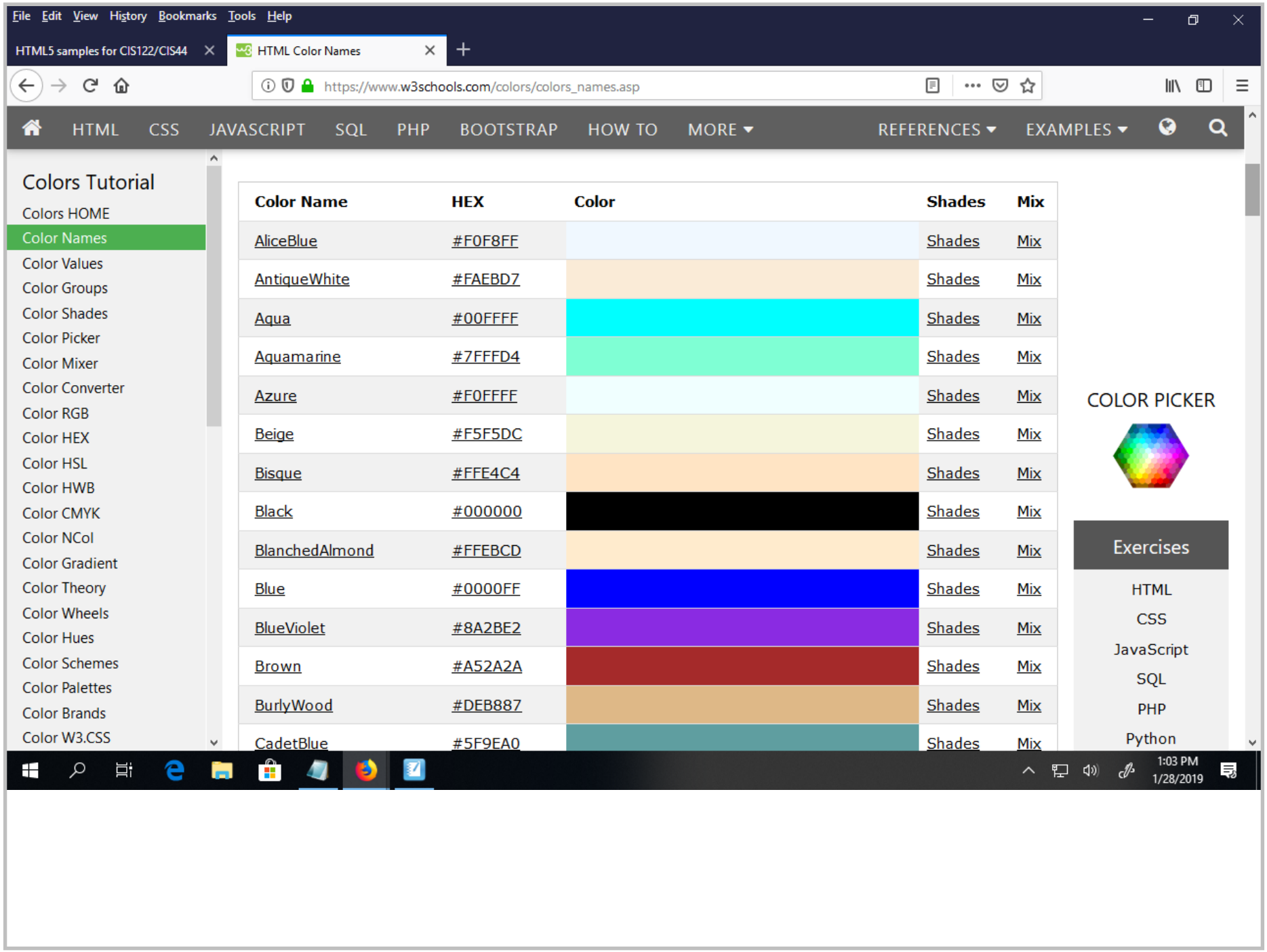

File Edit View History Bookmarks Tools Help
HTML5 samples for CIS122/CIS44
Colors Tutorial
https://www.w3schools.com/colors/default.asp
HTML CSS JAVASCRIPT SQL PHP BOOTSTRAP HOW TO MORE REFERENCES EXAMPLES
Colors Tutorial
Colors HOME
Color Names
Color Values
Color Groups
Color Shades
Color Picker
Color Mixer
Color Converter
Color RGB
Color HEX
Color HSL
Color HWB
Color CMYK
Color NCol
Color Gradient
Color Theory
Color Wheels
Color Hues
Color Schemes
Color Palettes
Color Brands
Color W3.CSS
CSS Color Values
With CSS, colors can be specified in different ways:
By color names
As RGB values
As hexadecimal values
As HSL values (CSS3)
As HWB values (CSS4)
RGB Colors
RGB color values are supported in all browsers.
An RGB color value is specified with: rgb(RED , GREEN , BLUE).
Each parameter defines the intensity of the color as an integer between 0 and 255.
For example, rgb(0,0,255) is rendered as blue, because the blue parameter is set to its highest value (255) and the others are set to 0.
Example
Color RGB Color
CSS
JavaScript
SQL
PHP
Python
Bootstrap
jQuery
SHARE
CERTIFICATES
HTML
CSS
JavaScript
PHP
jQuery
Bootstrap
12:58 PM
1/28/2019

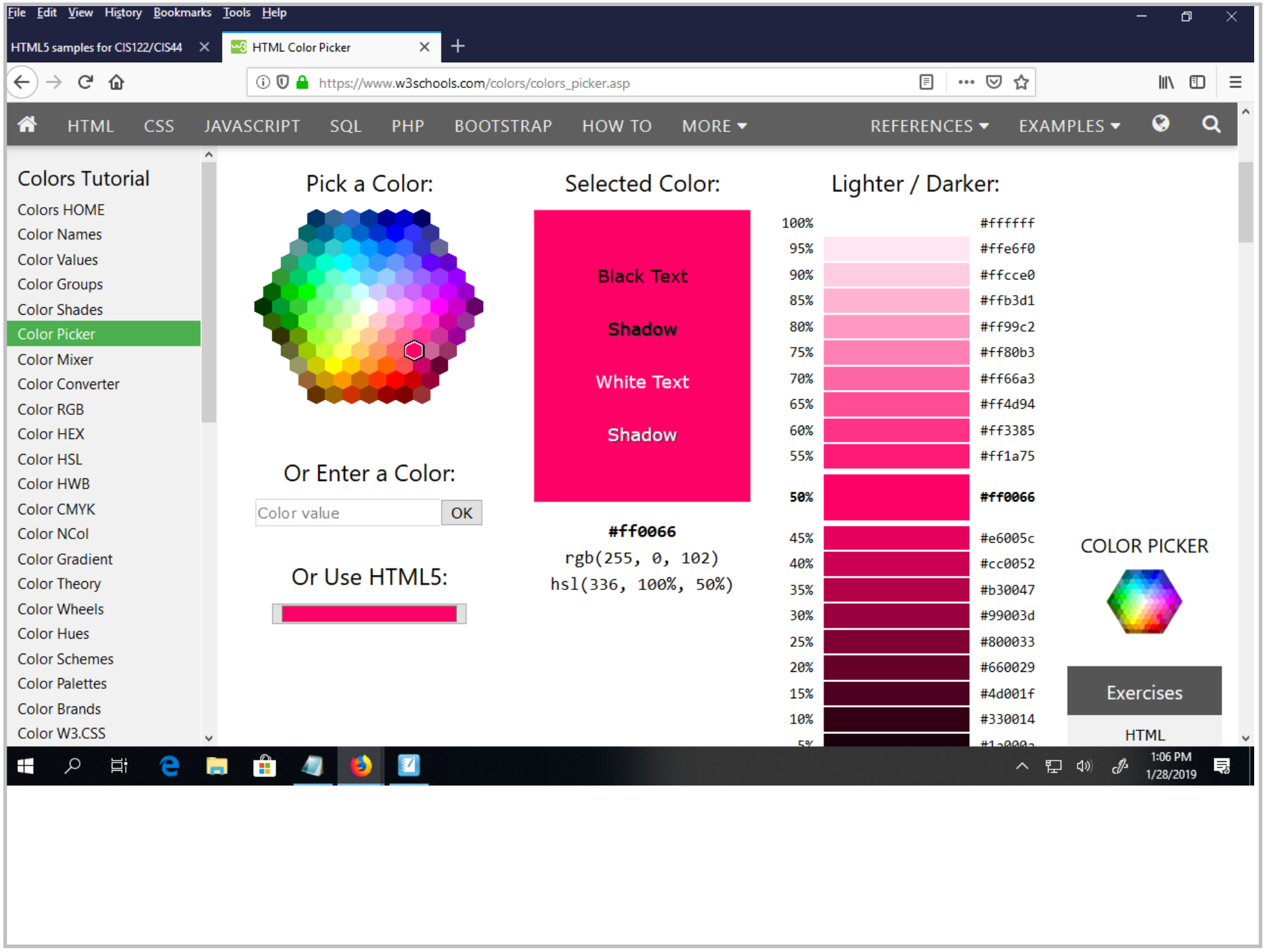

File Edit View History Bookmarks Tools Help
HTML5 samples for CIS122/CIS44
Colors Tutorial
Tryit Editor v3.6
https://www.w3schools.com/colors/tryit.asp?filename=trycolors_rgbgray
Run »
Result Size: 625 x 509
<!DOCTYPE html>
<html>
<style>
div {height:50px;width:100%;}
</style>
<body>
<h1>Gray can be set using equal values for all light sources</h1>

<h1 style="color:rgb(0,0,0)">Heading</h1>
<h1 style="color:rgb(64,64,64)">Heading</h1>
<h1 style="color:rgb(128,128,128)">Heading</h1>
<h1 style="color:rgb(192,192,192)">Heading</h1>
</body>
</html>
Gray can be set using equal values for all light sources
Heading
Heading
Heading
1:00 PM
1/28/2019


File Edit View History Bookmarks Tools Help
HTML5 samples for CIS122/CIS44
Colors Tutorial
Tryit Editor v3.6
https://www.w3schools.com/colors/tryit.asp?filename=trycolors_rgbgray
Run »
Result Size: 625 x 509
<!DOCTYPE html>
<html>
<style>
div {height:50px;width:100%;}
</style>
<body>
<h1>Gray can be set using equal values for all light sources</h1>

<h1 style="color:rgb(0,0,0)">Heading</h1>
<h1 style="color:rgb(64,64,64)">Heading</h1>
<h1 style="color:rgb(128,100,200)">Heading</h1>
<h1 style="color:rgb(192,192,192)">Heading</h1>
</body>
</html>
I changed this
Gray can be set using equal values for all light sources
Heading
Heading
Heading
1:00 PM
1/28/2019


File Edit View History Bookmarks Tools Help
HTML5 samples for CIS122/CIS44
HTML Color Names
https://www.w3schools.com/colors/colors_names.asp
HTML CSS JAVASCRIPT SQL PHP BOOTSTRAP HOW TO MORE
REFERENCES EXAMPLES
Colors Tutorial
Colors HOME
Color Names
Color Values
Color Groups
Color Shades
Color Picker
Color Mixer
Color Converter
Color RGB
Color HEX
Color HSL
Color HWB
Color CMYK
Color NCol
Color Gradient
Color Theory
Color Wheels
Color Hues
Color Schemes
Color Palettes
Color Brands
Color W3.CSS
Color Name HEX Color Shades Mix
AliceBlue #F0F8FF Shades Mix
AntiqueWhite #FAEBD7 Shades Mix
Aqua #00FFFF Shades Mix
Aquamarine #7FFFD4 Shades Mix
Azure #F0FFFF Shades Mix
Beige #F5F5DC Shades Mix
Bisque #FFE4C4 Shades Mix
Black #000000 Shades Mix
BlanchedAlmond #FFEBCD Shades Mix
Blue #0000FF Shades Mix
BlueViolet #8A2BE2 Shades Mix
Brown #A52A2A Shades Mix
BurlyWood #DEB887 Shades Mix
CadetBlue #5F9EA0 Shades Mix
COLOR PICKER
Exercises
HTML
CSS
JavaScript
SQL
PHP
Python
1:03 PM
1/28/2019


File Edit View History Bookmarks Tools Help
HTML5 samples for CIS122/CIS44
HTML Color Picker
https://www.w3schools.com/colors/colors_picker.asp
HTML CSS JAVASCRIPT SQL PHP BOOTSTRAP HOW TO MORE REFERENCES EXAMPLES
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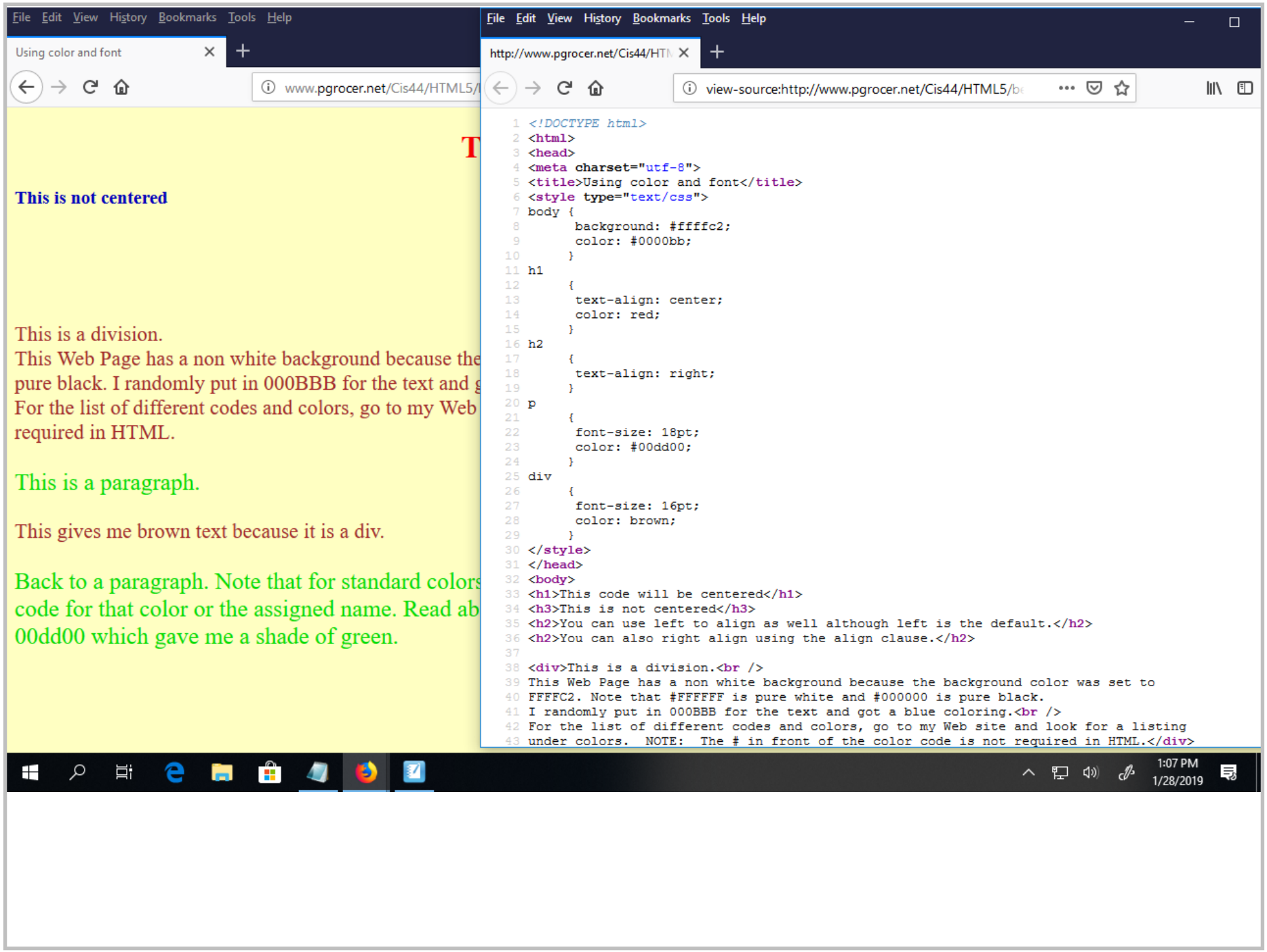
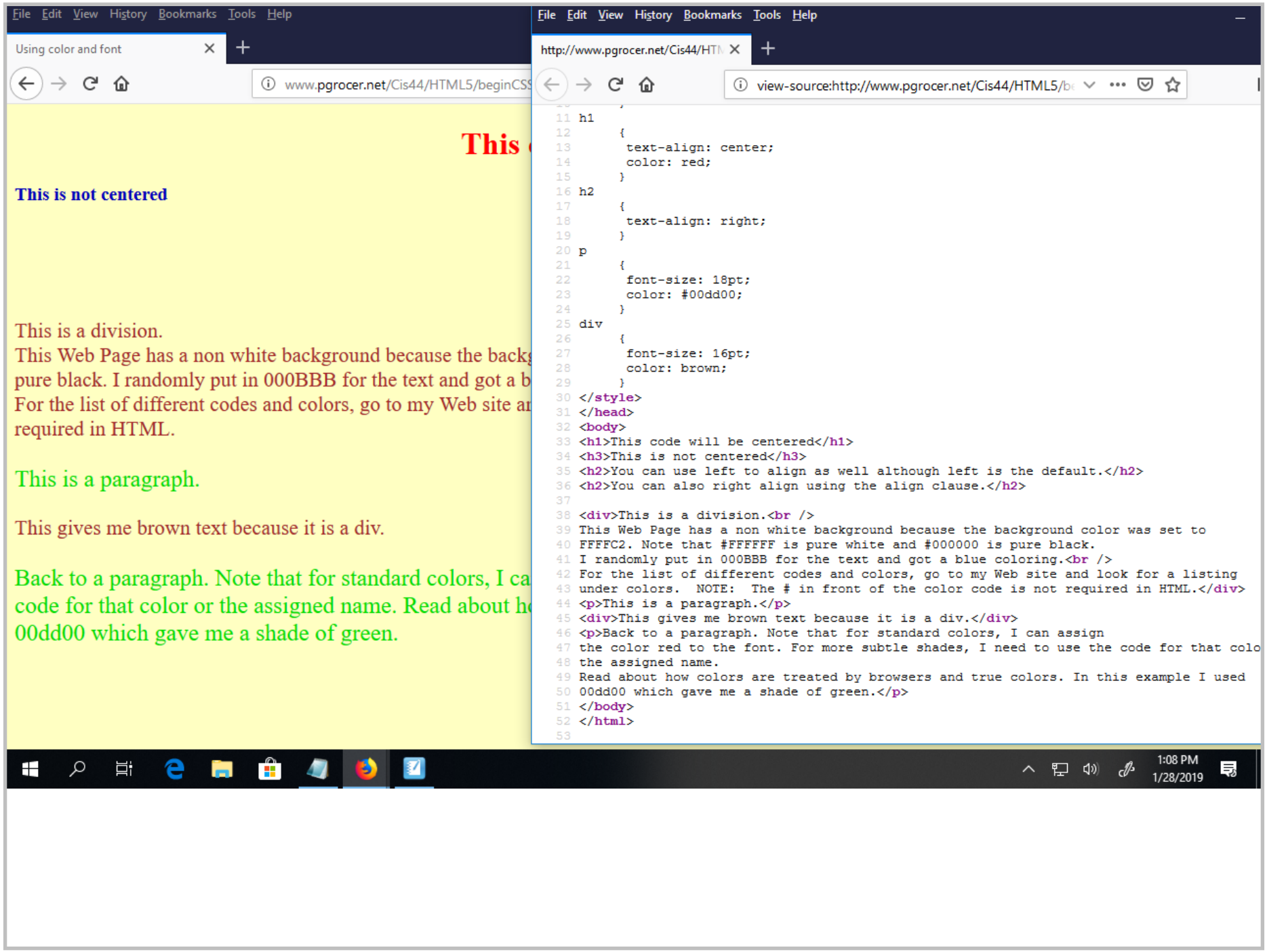
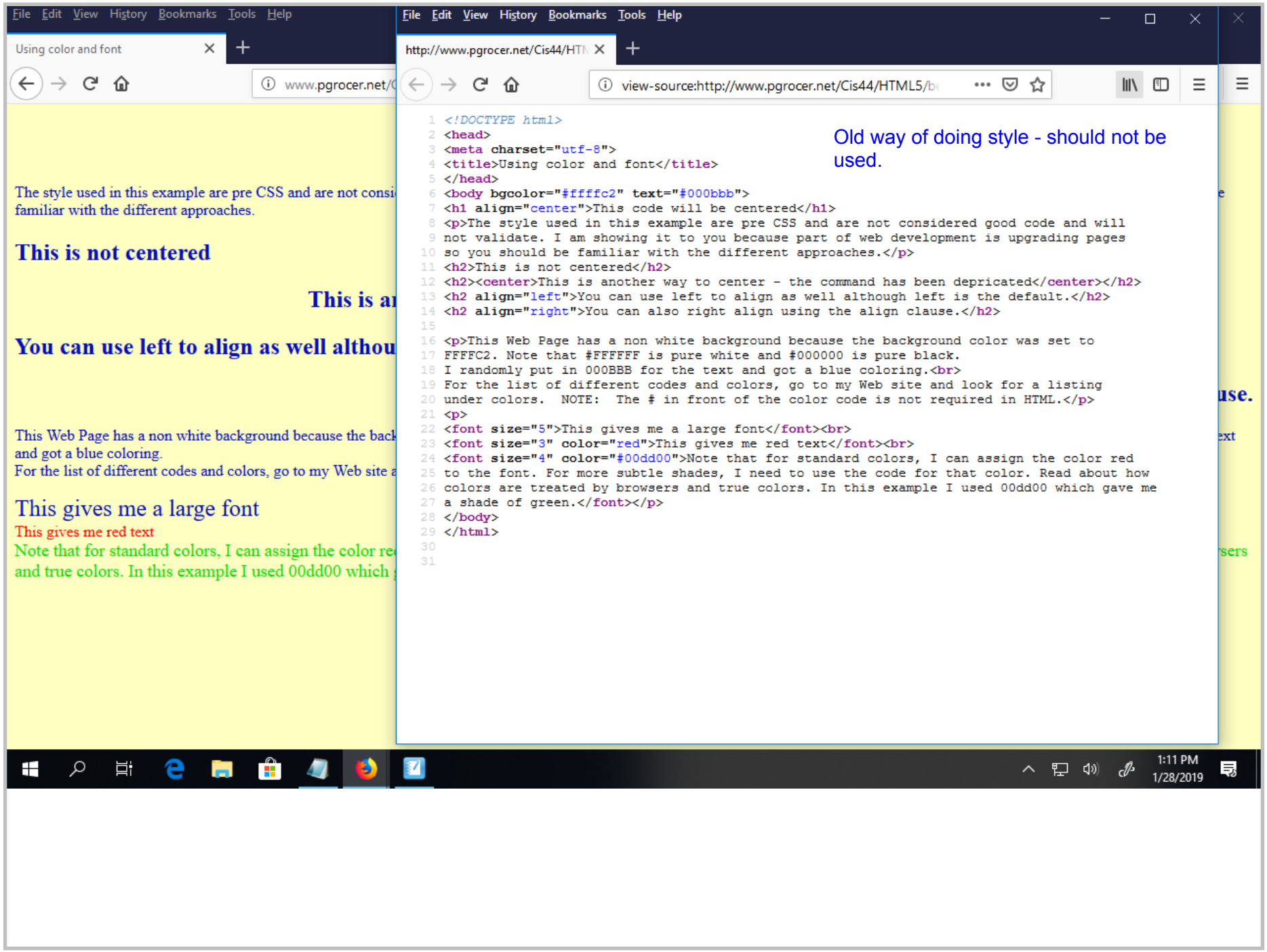
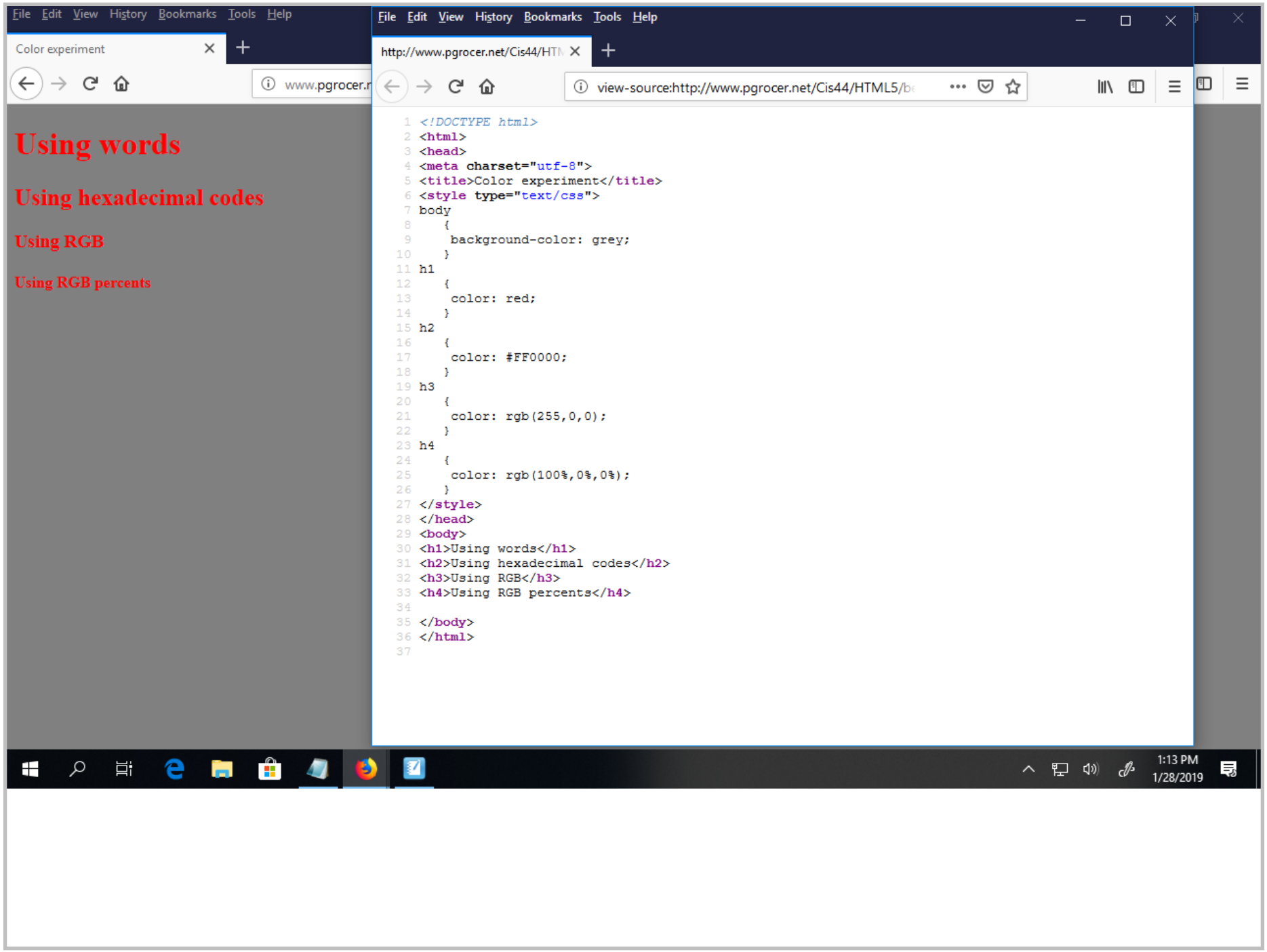
Color HSL
Color HWB
Color CMYK
Color NCol
Color Gradient
Color Theory
Color Wheels
Color Hues
Color Schemes
Color Palettes
Color Brands
Color W3.CSS
Pick a Color:
Or Enter a Color:
Color value
OK
Or Use HTML5:
Selected Color:
Black Text
Shadow
White Text
Shadow
#ff0066
rgb(255, 0, 102)
hsl(336, 100%, 50%)
Lighter / Darker:
100% #ffffff
95% #ffe6f0
90% #ffcce0
85% #ffb3d1
80% #ff99c2
75% #ff80b3
70% #ff66a3
65% #ff4d94
60% #ff3385
55% #ff1a75
50% #ff0066
45% #e6005c
40% #cc0052
35% #b30047
30% #99003d
25% #800033
20% #660029
15% #4d001f
10% #330014
COLOR PICKER
Exercises
HTML
1:06 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Using color and font
www.pgrocer.net/Cis44/HTML5/
This is not centered
This is a division.
This Web Page has a non white background because the
pure black. I randomly put in 000BBB for the text and g
For the list of different codes and colors, go to my Web
required in HTML.
This is a paragraph.
This gives me brown text because it is a div.
Back to a paragraph. Note that for standard colors
code for that color or the assigned name. Read ab
00dd00 which gave me a shade of green.
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTM
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Using color and font</title>
<style type="text/css">
body {
background: #ffffc2;
color: #0000bb;
}
h1
{
text-align: center;
color: red;
}
h2
{
text-align: right;
}
p
{
font-size: 18pt;
color: #00dd00;
}
div
{
font-size: 16pt;
color: brown;
}
</style>
</head>
<body>
<h1>This code will be centered</h1>
<h3>This is not centered</h3>
<h2>You can use left to align as well although left is the default.</h2>
<h2>You can also right align using the align clause.</h2>
This is a division.
This Web Page has a non white background because the background color was set to
FFFFC2. Note that #FFFFFF is pure white and #000000 is pure black.
I randomly put in 000BBB for the text and got a blue coloring.
For the list of different codes and colors, go to my Web site and look for a listing
under colors. NOTE: The # in front of the color code is not required in HTML.
1:07 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Using color and font
www.pgrocer.net/Cis44/HTML5/beginCSS
This
This is not centered
This is a division.
This Web Page has a non white background because the backg
pure black. I randomly put in 000BBB for the text and got a b
For the list of different codes and colors, go to my Web site ar
required in HTML.
This is a paragraph.
This gives me brown text because it is a div.
Back to a paragraph. Note that for standard colors, I ca
code for that color or the assigned name. Read about h
00dd00 which gave me a shade of green.
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HT
view-source:http://www.pgrocer.net/Cis44/HTML5/b
h1
{
text-align: center;
color: red;
}
h2
{
text-align: right;
}
p
{
font-size: 18pt;
color: #00dd00;
}
div
{
font-size: 16pt;
color: brown;
}
</style>
</head>
<body>
<h1>This code will be centered</h1>
<h3>This is not centered</h3>
<h2>You can use left to align as well although left is the default.</h2>
<h2>You can also right align using the align clause.</h2>
This is a division.
This Web Page has a non white background because the background color was set to
FFFFC2. Note that #FFFFFF is pure white and #000000 is pure black.
I randomly put in 000BBB for the text and got a blue coloring.
For the list of different codes and colors, go to my Web site and look for a listing
under colors. NOTE: The # in front of the color code is not required in HTML.
This is a paragraph.
This gives me brown text because it is a div.
Back to a paragraph. Note that for standard colors, I can assign
the color red to the font. For more subtle shades, I need to use the code for that colo
the assigned name.
Read about how colors are treated by browsers and true colors. In this example I used
00dd00 which gave me a shade of green.
</body>
</html>
1:08 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Using color and font
www.pgrocer.net/
The style used in this example are pre CSS and are not consi
familiar with the different approaches.
This is not centered
This is ar
You can use left to align as well althou
This Web Page has a non white background because the back
and got a blue coloring.
For the list of different codes and colors, go to my Web site a
This gives me a large font
This gives me red text
Note that for standard colors, I can assign the color re
and true colors. In this example I used 00dd00 which
use.
ext
sers
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HT
view-source:http://www.pgrocer.net/Cis44/HTML5/b
Old way of doing style - should not be used.
1 <!DOCTYPE html>
2 <head>
3 <meta charset="utf-8">
4 <title>Using color and font</title>
5 </head>
6 <body bgcolor="#ffffc2" text="#000bbb">
7 <h1 align="center">This code will be centered</h1>
8 The style used in this example are pre CSS and are not considered good code and will
9 not validate. I am showing it to you because part of web development is upgrading pages
10 so you should be familiar with the different approaches.
11 <h2>This is not centered</h2>
12 <h2> This is another way to center - the command has been depricated </h2>
13 <h2 align="left">You can use left to align as well although left is the default.</h2>
14 <h2 align="right">You can also right align using the align clause.</h2>
15
16 This Web Page has a non white background because the background color was set to
17 FFFFC2. Note that #FFFFFF is pure white and #000000 is pure black.
18 I randomly put in 000BBB for the text and got a blue coloring.
19 For the list of different codes and colors, go to my Web site and look for a listing
20 under colors. NOTE: The # in front of the color code is not required in HTML.
21
22 This gives me a large font
23 This gives me red text
24 Note that for standard colors, I can assign the color red
25 to the font. For more subtle shades, I need to use the code for that color. Read about how
26 colors are treated by browsers and true colors. In this example I used 00dd00 which gave me
27 a shade of green.
28 </body>
29 </html>
30
31
1:11 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Color experiment
www.pgrocer.n
Using words
Using hexadecimal codes
Using RGB
Using RGB percents
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HTN
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Color experiment</title>
<style type="text/css">
body
{
background-color: grey;
}
h1
{
color: red;
}
h2
{
color: #FF0000;
}
h3
{
color: rgb(255,0,0);
}
h4
{
color: rgb(100%,0%,0%);
}
</style>
</head>
<body>
<h1>Using words</h1>
<h2>Using hexadecimal codes</h2>
<h3>Using RGB</h3>
<h4>Using RGB percents</h4>
</body>
</html>
1:13 PM
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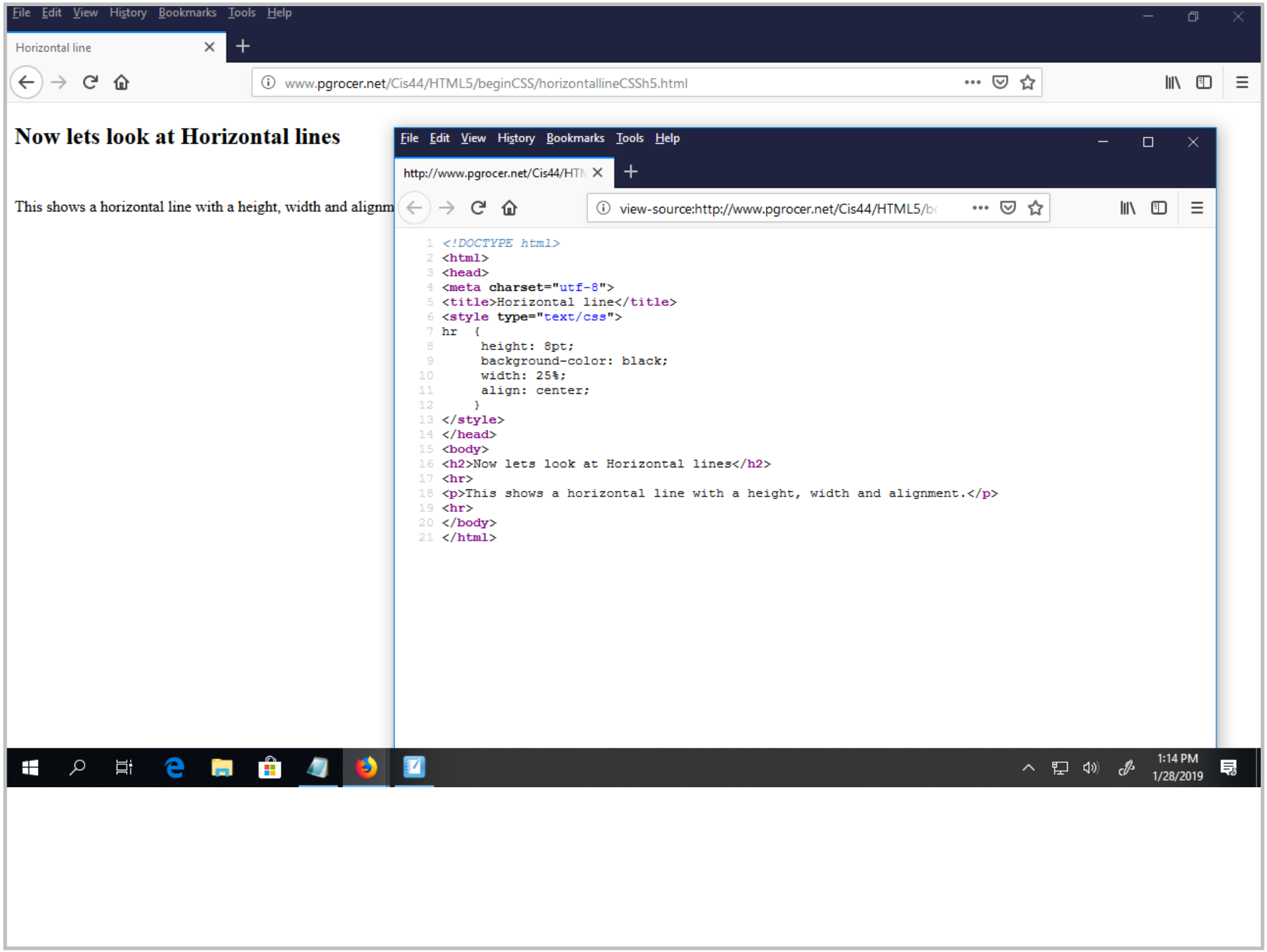
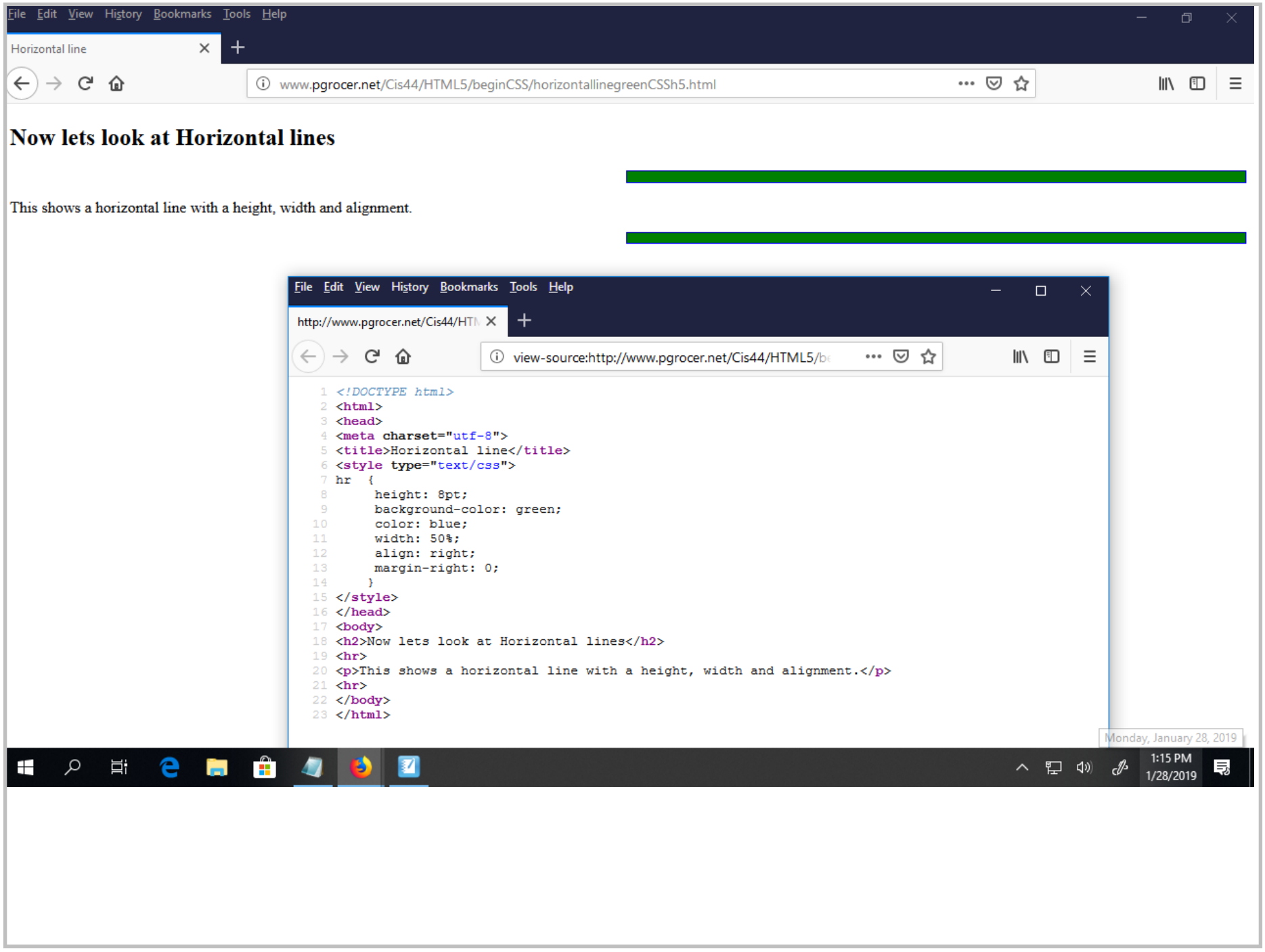
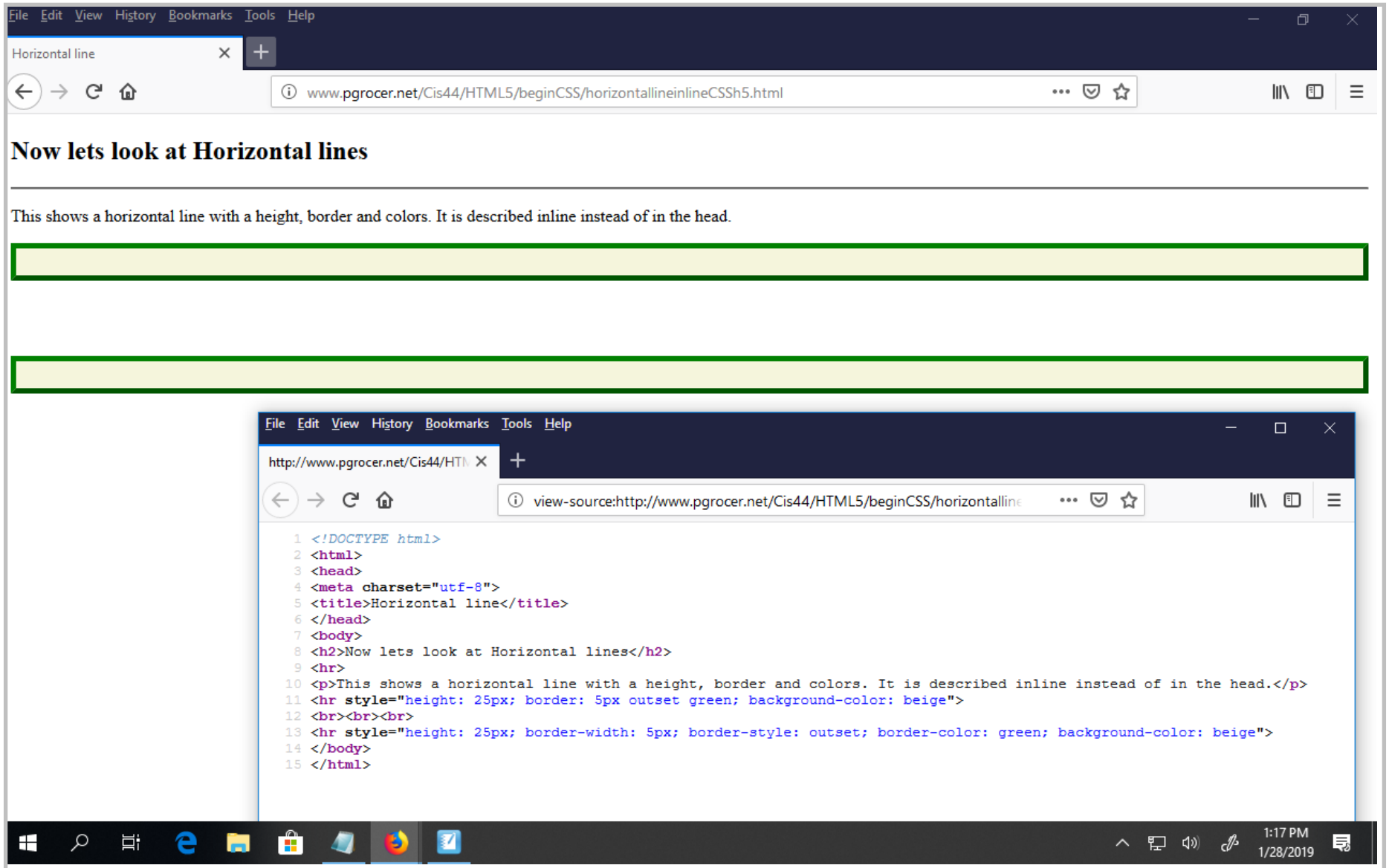

File Edit View History Bookmarks Tools Help
Horizontal line
www.pgrocer.net/Cis44/HTML5/beginCSS/horizontallineCSSh5.html
Now lets look at Horizontal lines
This shows a horizontal line with a height, width and alignm
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HT
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Horizontal line</title>
<style type="text/css">
hr {
height: 8pt;
background-color: black;
width: 25%;
align: center;
}
</style>
</head>
<body>
<h2>Now lets look at Horizontal lines</h2>
<hr>
This shows a horizontal line with a height, width and alignment.
<hr>
</body>
</html>
1:14 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Horizontal line
www.pgrocer.net/Cis44/HTML5/beginCSS/horizontallinegreenCSSh5.html
Now lets look at Horizontal lines
This shows a horizontal line with a height, width and alignment.
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HT
view-source:http://www.pgrocer.net/Cis44/HTML5/b
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Horizontal line</title>
<style type="text/css">
hr {
height: 8pt;
background-color: green;
color: blue;
width: 50%;
align: right;
margin-right: 0;
}
</style>
</head>
<body>
<h2>Now lets look at Horizontal lines</h2>
<hr>
This shows a horizontal line with a height, width and alignment.
<hr>
</body>
</html>
Monday, January 28, 2019
1:15 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Horizontal line
www.pgrocer.net/Cis44/HTML5/beginCSS/horizontallineinlineCSSh5.html
Now lets look at Horizontal lines
This shows a horizontal line with a height, border and colors. It is described inline instead of in the head.
File Edit View History Bookmarks Tools Help
http://www.pgrocer.net/Cis44/HT
view-source:http://www.pgrocer.net/Cis44/HTML5/beginCSS/horizontalline
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Horizontal line</title>
</head>
<body>
<h2>Now lets look at Horizontal lines</h2>
<hr>
This shows a horizontal line with a height, border and colors. It is described inline instead of in the head.
<hr style="height: 25px; border: 5px outset green; background-color: beige">

<hr style="height: 25px; border-width: 5px; border-style: outset; border-color: green; background-color: beige">
</body>
</html>
1:17 PM
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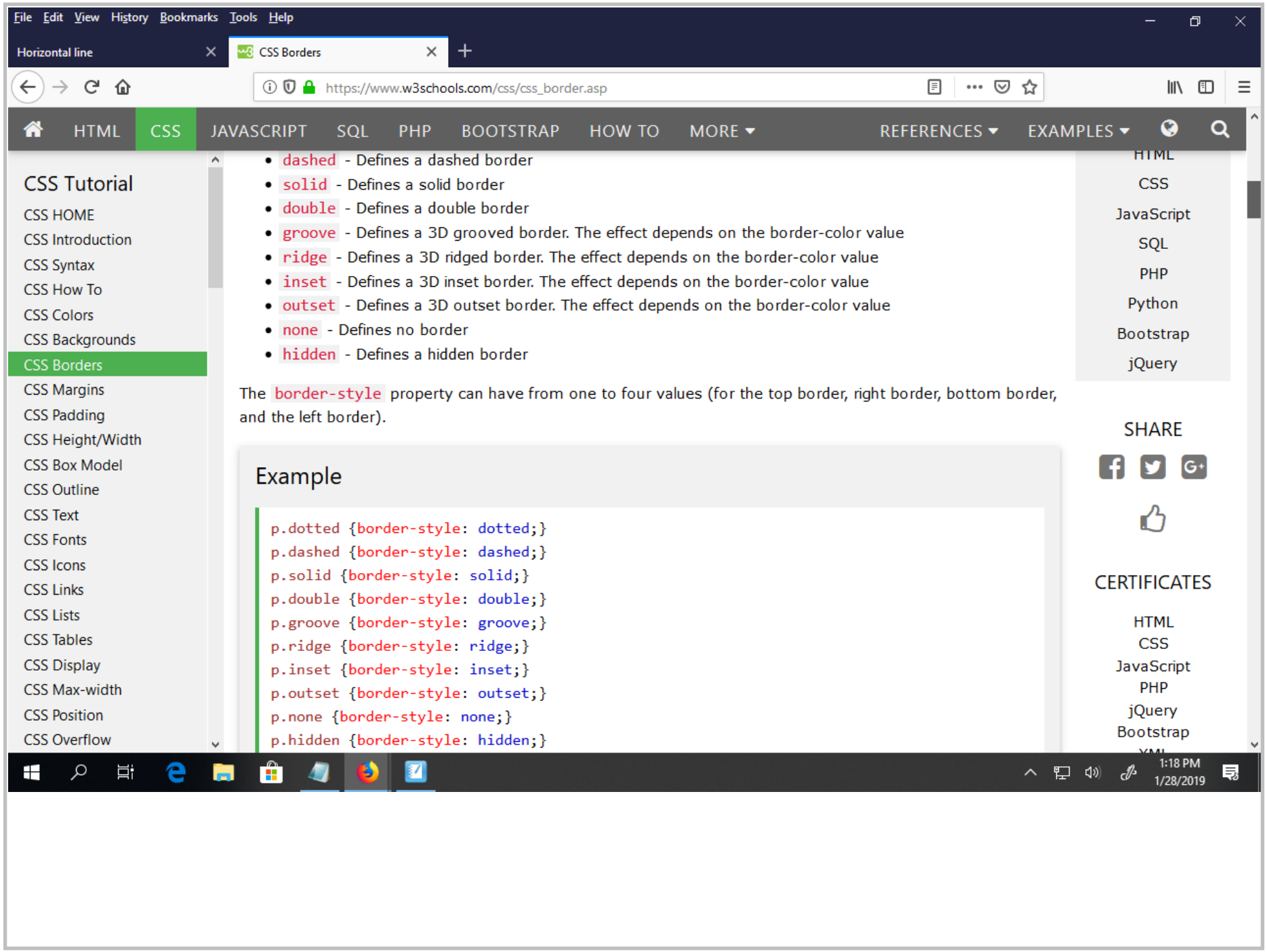
File Edit View History Bookmarks Tools Help
Horizontal line
CSS Borders
https://www.w3schools.com/css/css_border.asp
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CSS Fonts
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CSS Tables
CSS Display
CSS Max-width
CSS Position
CSS Overflow
dashed - Defines a dashed border
solid - Defines a solid border
double - Defines a double border
groove - Defines a 3D grooved border. The effect depends on the border-color value
ridge - Defines a 3D ridged border. The effect depends on the border-color value
inset - Defines a 3D inset border. The effect depends on the border-color value
outset - Defines a 3D outset border. The effect depends on the border-color value
none - Defines no border
hidden - Defines a hidden border
The border-style property can have from one to four values (for the top border, right border, bottom border, and the left border).
Example
p.dotted {border-style: dotted;}
p.dashed {border-style: dashed;}
p.solid {border-style: solid;}
p.double {border-style: double;}
p.groove {border-style: groove;}
p.ridge {border-style: ridge;}
p.inset {border-style: inset;}
p.outset {border-style: outset;}
p.none {border-style: none;}
p.hidden {border-style: hidden;}
HTML
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JavaScript
SQL
PHP
Python
Bootstrap
jQuery
SHARE
CERTIFICATES
HTML
CSS
JavaScript
PHP
jQuery
Bootstrap
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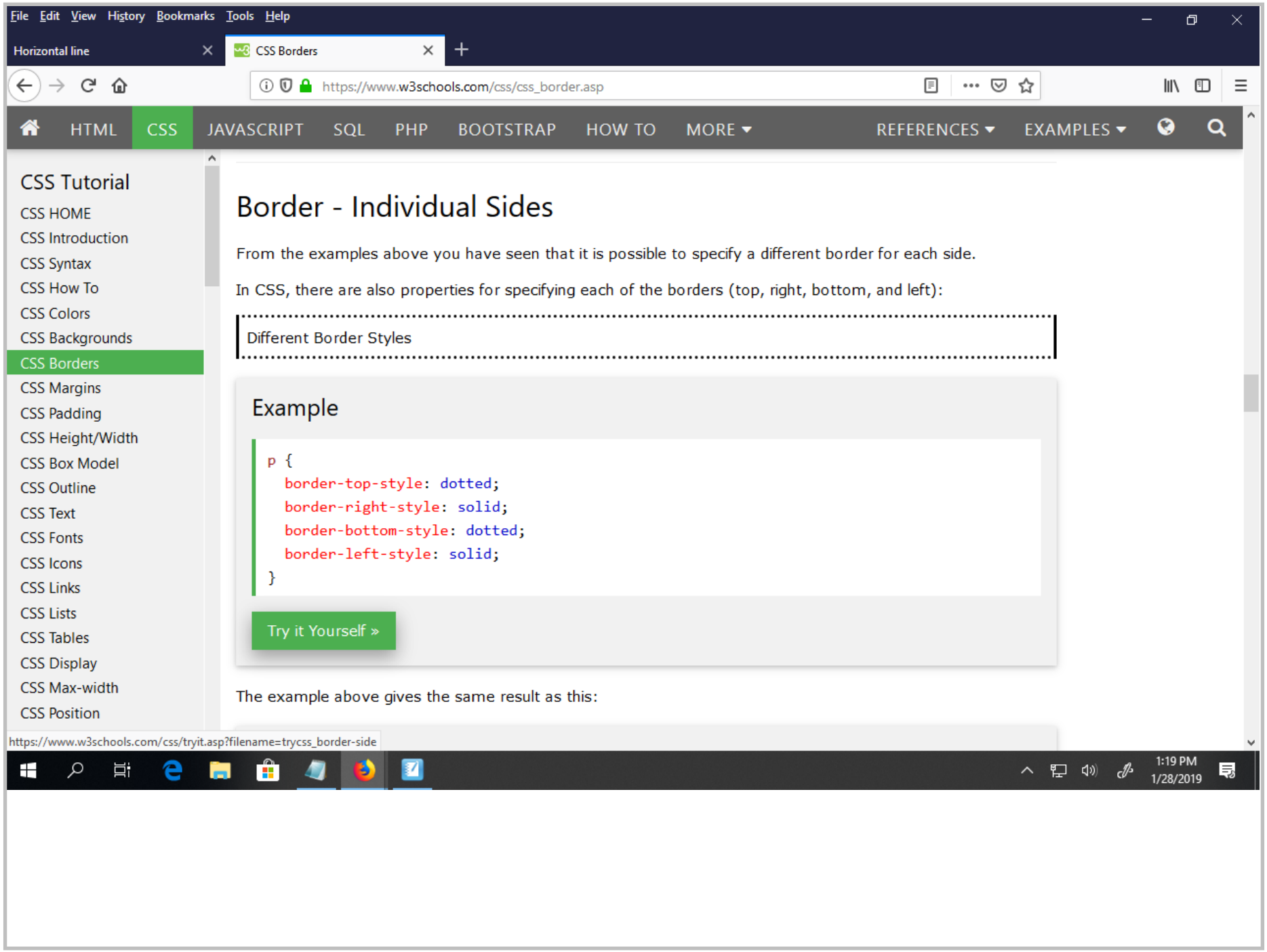
File Edit View History Bookmarks Tools Help
Horizontal line
CSS Borders
https://www.w3schools.com/css/css_border.asp
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CSS Tables
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CSS Max-width
CSS Position
Border - Individual Sides
From the examples above you have seen that it is possible to specify a different border for each side.
In CSS, there are also properties for specifying each of the borders (top, right, bottom, and left):
Different Border Styles
Example
p {
border-top-style: dotted;
border-right-style: solid;
border-bottom-style: dotted;
border-left-style: solid;
}
Try it Yourself »
The example above gives the same result as this:
https://www.w3schools.com/css/tryit.asp?filename=trycss_border-side
1:19 PM
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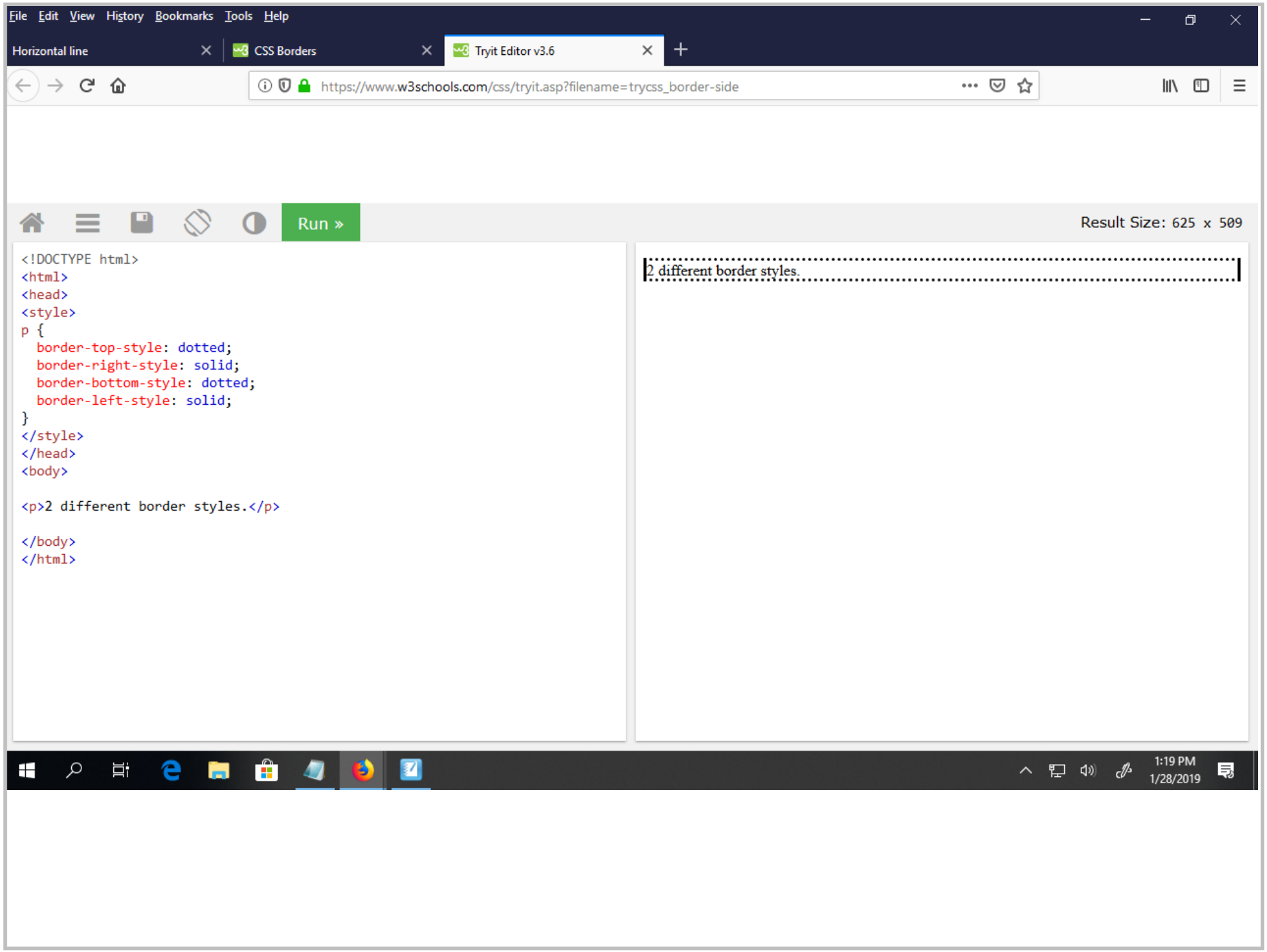
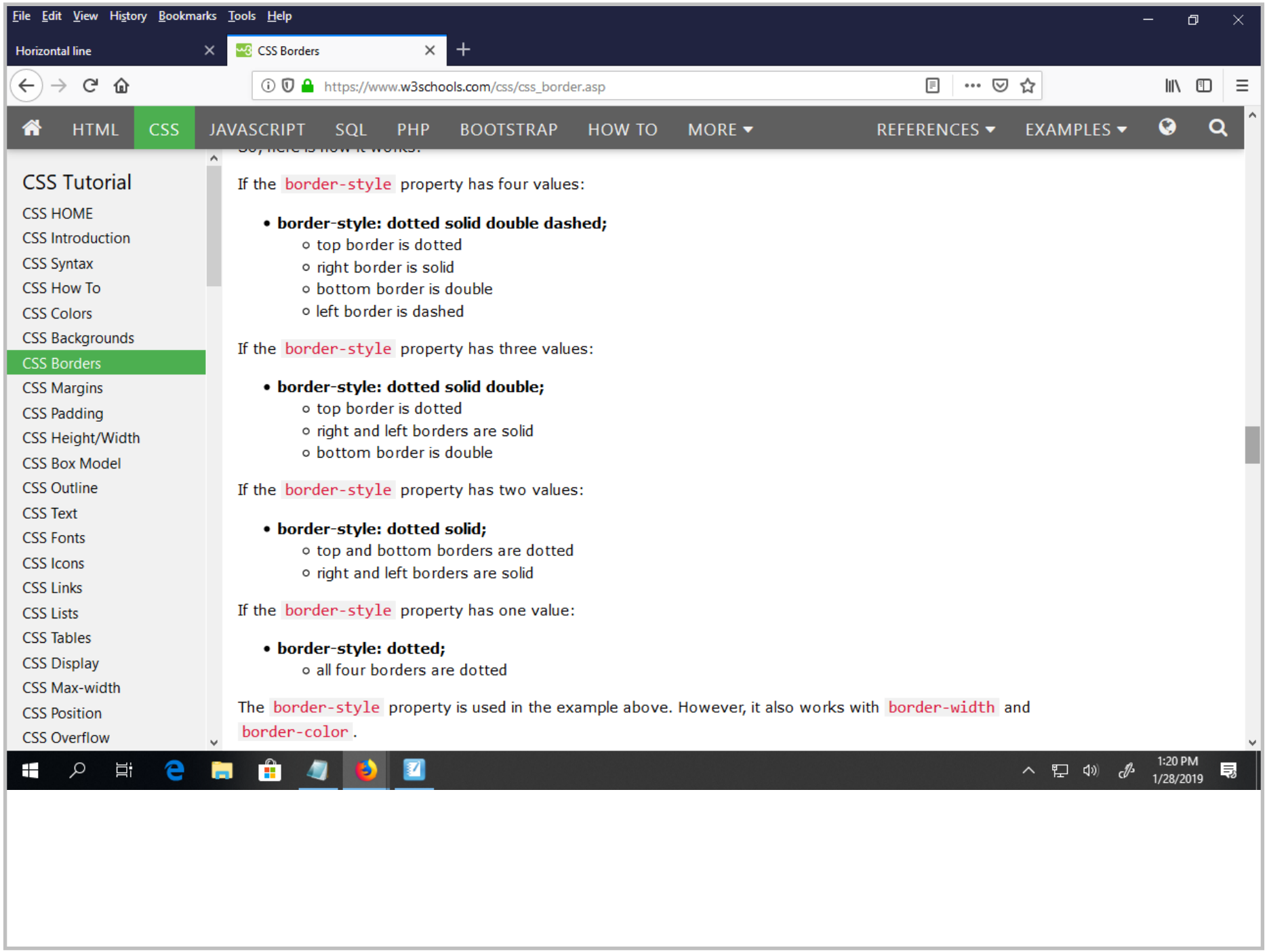

File Edit View History Bookmarks Tools Help
Horizontal line
CSS Borders
Tryit Editor v3.6
https://www.w3schools.com/css/tryit.asp?filename=trycss_border-side
Run »
Result Size: 625 x 509
<!DOCTYPE html>
<html>
<head>
<style>
p {
border-top-style: dotted;
border-right-style: solid;
border-bottom-style: dotted;
border-left-style: solid;
}
</style>
</head>
<body>
2 different border styles.
</body>
</html>
2 different border styles.
1:19 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Horizontal line
CSS Borders
https://www.w3schools.com/css/css_border.asp
HTML CSS JAVASCRIPT SQL PHP BOOTSTRAP HOW TO MORE REFERENCES EXAMPLES
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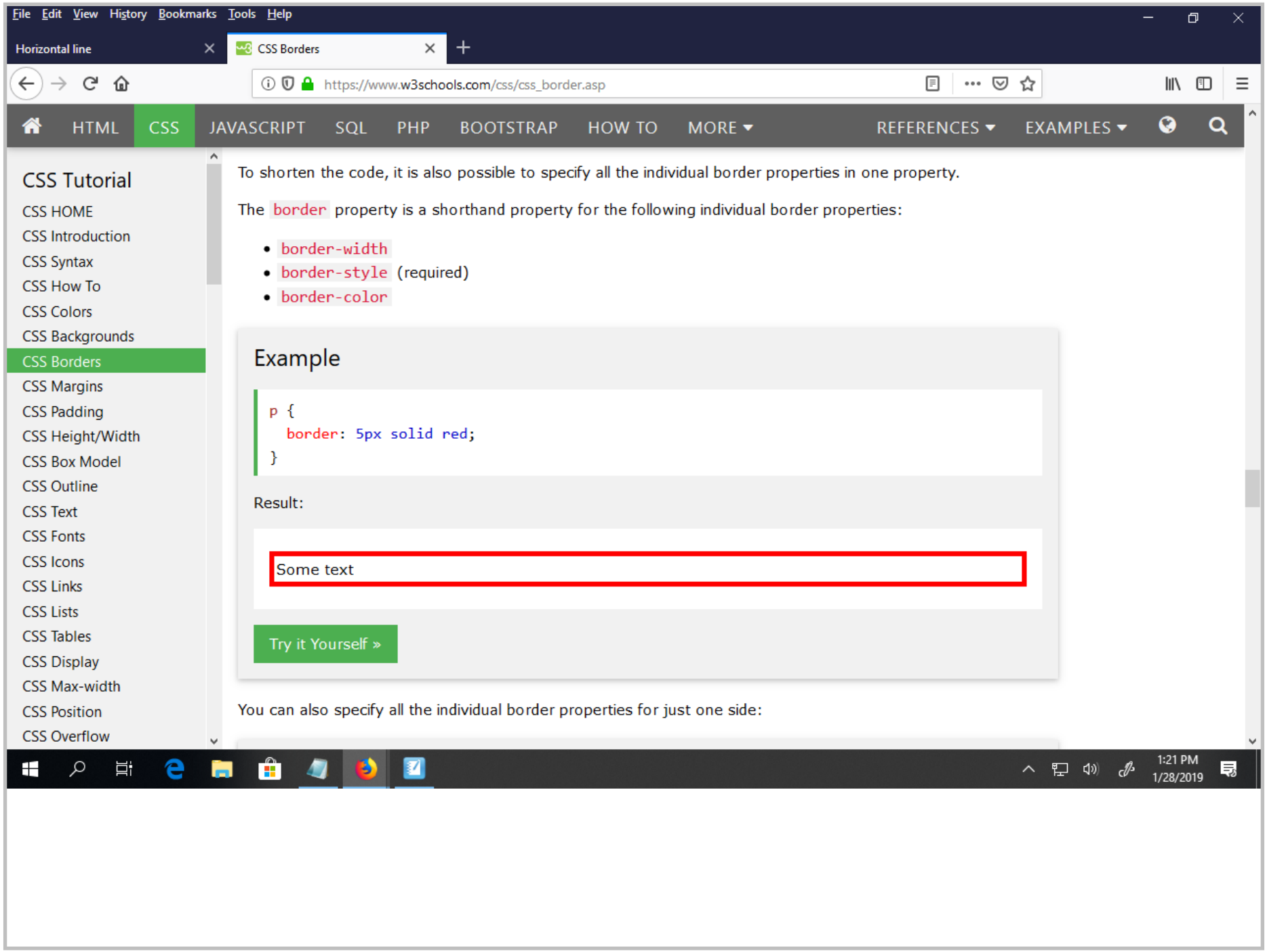
CSS Padding
CSS Height/Width
CSS Box Model
CSS Outline
CSS Text
CSS Fonts
CSS Icons
CSS Links
CSS Lists
CSS Tables
CSS Display
CSS Max-width
CSS Position
CSS Overflow
If the border-style property has four values:
border-style: dotted solid double dashed;
top border is dotted
right border is solid
bottom border is double
left border is dashed
If the border-style property has three values:
border-style: dotted solid double;
top border is dotted
right and left borders are solid
bottom border is double
If the border-style property has two values:
border-style: dotted solid;
top and bottom borders are dotted
right and left borders are solid
If the border-style property has one value:
border-style: dotted;
all four borders are dotted
The border-style property is used in the example above. However, it also works with border-width and border-color.
1:20 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Horizontal line
CSS Borders
https://www.w3schools.com/css/css_border.asp
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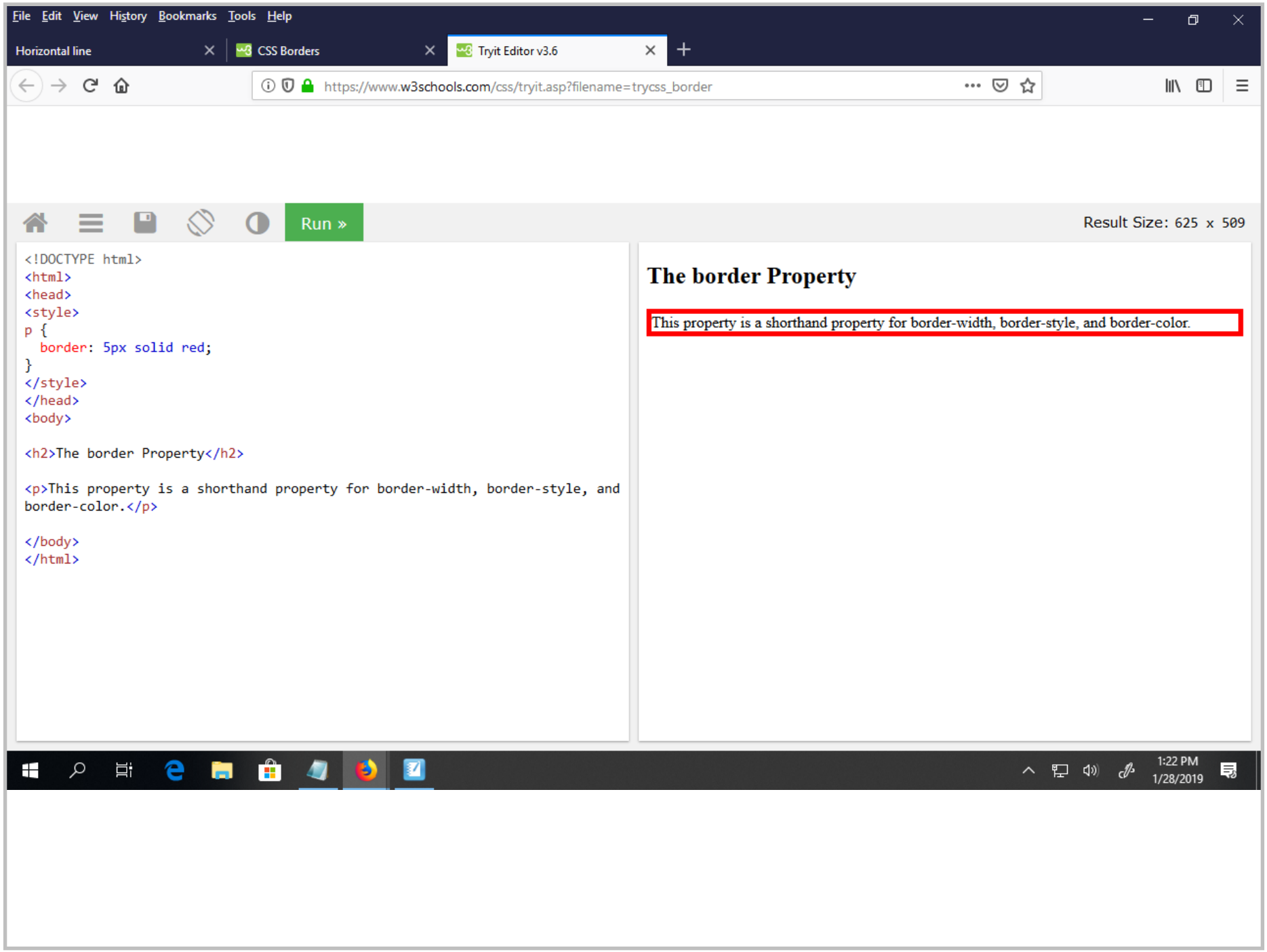
CSS Padding
CSS Height/Width
CSS Box Model
CSS Outline
CSS Text
CSS Fonts
CSS Icons
CSS Links
CSS Lists
CSS Tables
CSS Display
CSS Max-width
CSS Position
CSS Overflow
To shorten the code, it is also possible to specify all the individual border properties in one property.
The border property is a shorthand property for the following individual border properties:
border-width
border-style (required)
border-color
Example
p {
border: 5px solid red;
}
Result:
Some text
Try it Yourself »
You can also specify all the individual border properties for just one side:
1:21 PM
1/28/2019


File Edit View History Bookmarks Tools Help
Horizontal line
CSS Borders
Tryit Editor v3.6
https://www.w3schools.com/css/tryit.asp?filename=trycss_border
Run »
Result Size: 625 x 509
<!DOCTYPE html>
<html>
<head>
<style>
p {
border: 5px solid red;
}
</style>
</head>
<body>
<h2>The border Property</h2>
This property is a shorthand property for border-width, border-style, and border-color.
</body>
</html>
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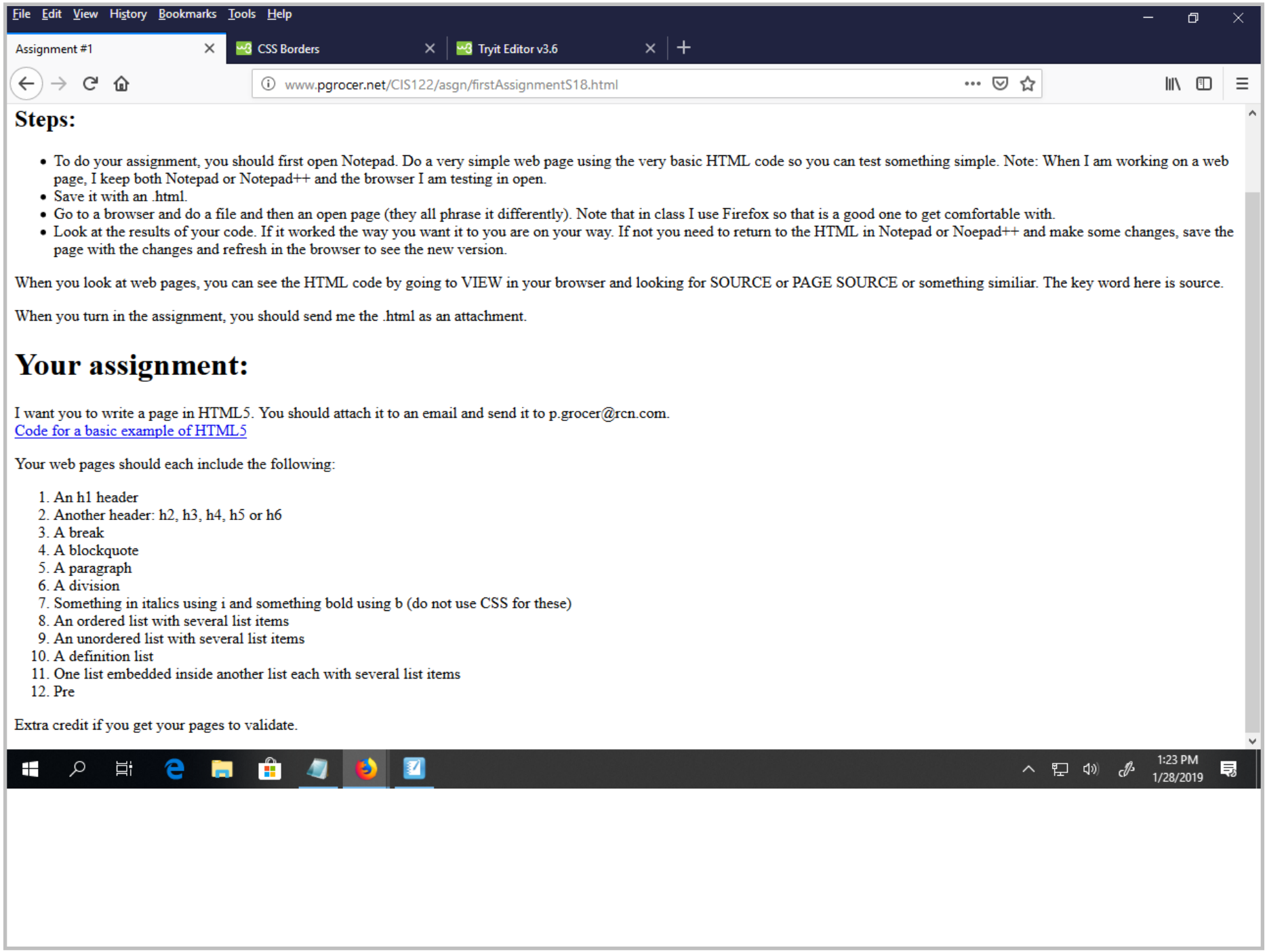
File Edit View History Bookmarks Tools Help
Assignment #1
CSS Borders
Tryit Editor v3.6
www.pgrocer.net/CIS122/asgn/firstAssignmentS18.html
Steps:
To do your assignment, you should first open Notepad. Do a very simple web page using the very basic HTML code so you can test something simple. Note: When I am working on a web page, I keep both Notepad or Notepad++ and the browser I am testing in open.
Save it with an .html.
Go to a browser and do a file and then an open page (they all phrase it differently). Note that in class I use Firefox so that is a good one to get comfortable with.
Look at the results of your code. If it worked the way you want it to you are on your way. If not you need to return to the HTML in Notepad or Noepad++ and make some changes, save the page with the changes and refresh in the browser to see the new version.
When you look at web pages, you can see the HTML code by going to VIEW in your browser and looking for SOURCE or PAGE SOURCE or something similiar. The key word here is source.
When you turn in the assignment, you should send me the .html as an attachment.
Your assignment:
I want you to write a page in HTML5. You should attach it to an email and send it to p.grocer@rcn.com.
Code for a basic example of HTML5
Your web pages should each include the following:
1. An h1 header
2. Another header: h2, h3, h4, h5 or h6
3. A break
4. A blockquote
5. A paragraph
6. A division
7. Something in italics using i and something bold using b (do not use CSS for these)
8. An ordered list with several list items
9. An unordered list with several list items
10. A definition list
11. One list embedded inside another list each with several list items
12. Pre
Extra credit if you get your pages to validate.
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