

## ***Programming: Logic, Design and Implementation CIS120/17***

### ***About This Course:***

Read Me First

Introduction to CIS120/17

Syllabus

Withdrawal Policy as of Fall  
2017

### ***Site Resources:***

Notes and Handouts

Examples

Programs

Presentations

SmartBoard Presentations

Audio/lectures

### ***Weekly Schedule:***

Weekly schedule

Assignment summary

### ***Links:***

Links & Tutorials

The information at this site is in draft form and is the property of Priscilla Grocer. The information may not be duplicated or distributed without her permission.  
©Copyright 2017

I record most of the classes where I deliver a lecture so

class is being recorded. If you want to know, just ask! I then post the audio and the Smartboard notes so you can follow and/or review what happened in class.

We will start looking at HTML/HTML5 to develop a web page this week. Please look at the samples under Examples. We will start to look at them on Thursday and will look at the remaining ones next Tuesday.

We will start looking at HTML/HTML5 to develop a web page this week. Please look at the samples under Examples. We will start to look at them .

These are the pages you need to go over and understand:

[HTML5intro.html](#)

[HTML5list.html](#)

[HTML5linkpage.html](#)

[HTML5CSSlist.html](#)

[HTML5headers.html](#)

[HTML5CSSheaders.html](#)

[HTML5CSSimage.html](#)

[HTML5centeredimage.html](#)

[HTML5CSSstable.html](#)

[HTML5CSScenteredtable.html](#)

[HTML5morelinks.html](#)

[fileInSubHTML5.html](#)

There is an HTML presentation that also looks at writing code with HTML. It is under presentations and it is zipped.

Note that it does not use examples with the optional DOCTYPE on the first line.

[Zipped version of Introduction to HTML](#)

[A great reference for writing HTML is W3Schools](#)

Note that I will not always repeat the address here in the week of - I will just point you to where it can be found.

Please note that this class used to be CIS17 and some of the handouts will say CIS17, that is why I refer to the class as CIS120/CIS17.

Remember that the CSS (College Success Strategies) skills are embedded in this course. For example time management and learning style readings will help you to write the web page introducing yourself and telling me how you are going to handle your time and use your

Display the progress of ongoing downloads (Ctrl+J)

*p.grocer@rcn.com*

Week #1

Week of

September 4th

http://www.pgrocer.net/Cis17/H X +

view-source:http://www.p Search

Display the progress of ongoing downloads (Ctrl+)

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Introduction</title>
5 <style type="text/css">
6 body
7 {
8   color: red;
9 }
10 p
11 {
12   text-align: center;
13   font-size: 2em;
14 }
15 li
16 {
17   color: green;
18 }
19 </style>
20 </head>
21 <body>
22 <p>This is an introduction to HTML.<br><br>
23 Now I am going to make an ordered list followed by an unordered list!</p>
24 
25 <ol>
26 <li>First item in the list</li>
27 <li>Second item in the list</li>
28
29 <li>Third item in the list</li>
30 </ol>
31 <ul>
32 <li>First item in the list</li>
33 <li>Second item in the list</li>
34 <li>Third item in the list</li>
35 </ul>
36 </body>
37 </html>
```

<br> and <img> do not have a close tag like <ol> does using </ol>

Note that there is no address information so the image has to be stored in the same folder as the original page.

12:35 PM

Introduction


www.pgrocer.net/Cis17/HTML/HTML5/HTML5CSSImage.html

SMART Ink

Search

This is an introduction to HTML.

Now I am going to make an ordered list followed by an unordered list!



Right click on an image if you want to save it and then click on Save Image As (using Firefox)

- View Image
- Copy Image
- Copy Image Location
- Save Image As...
- Email Image...
- Set As Desktop Background...
- View Image Info
- Inspect Element (Q)

1. First item in the list
2. Second item in the list
3. Third item in the list

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

Windows taskbar: 12:38 PM 9/7/2017


```
Introduction
http://www.pgrocer.net/Cis17/H
view-source:http://www.pgrocer.net/Cis17/HTML/HTML5/HTML5CSSimage.ht
Search
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Introduction</title>
5 <style type="text/css">
6 body
7 {
8     color: red;
9 }
10 p
11 {
12     text-align: center;
13     font-size: 2em;
14 }
15 li
16 {
17     color: green;
18 }
19 </style>
20 </head>
21 <body>
22 <p>This is an introduction to HTML.<br><br>
23 Now I am going to make an ordered list followed by an unordered list!</p>
24 
25 <ol>
26 <li>First item in the list</li>
27 <li>Second item in the list</li>
28
29 <li>Third item in the list</li>
30 </ol>
31 <ul>
32 <li>First item in the list</li>
33 <li>Second item in the list</li>
34 <li>Third item in the list</li>
35 </ul>
36 </body>
37 </html>
```

Introduction X http://www.pgrocer.net/Cis17/H X +

www.pgrocer.net/Cis17/HTML/HTML5/HTML5centeredimage.html Search

# This is an introduction to HTML.

Now I am going to make an ordered list followed by an unordered list!



1. First item in the list
2. Second item in the list
3. Third item in the list

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

This shows using headers and centering an image.

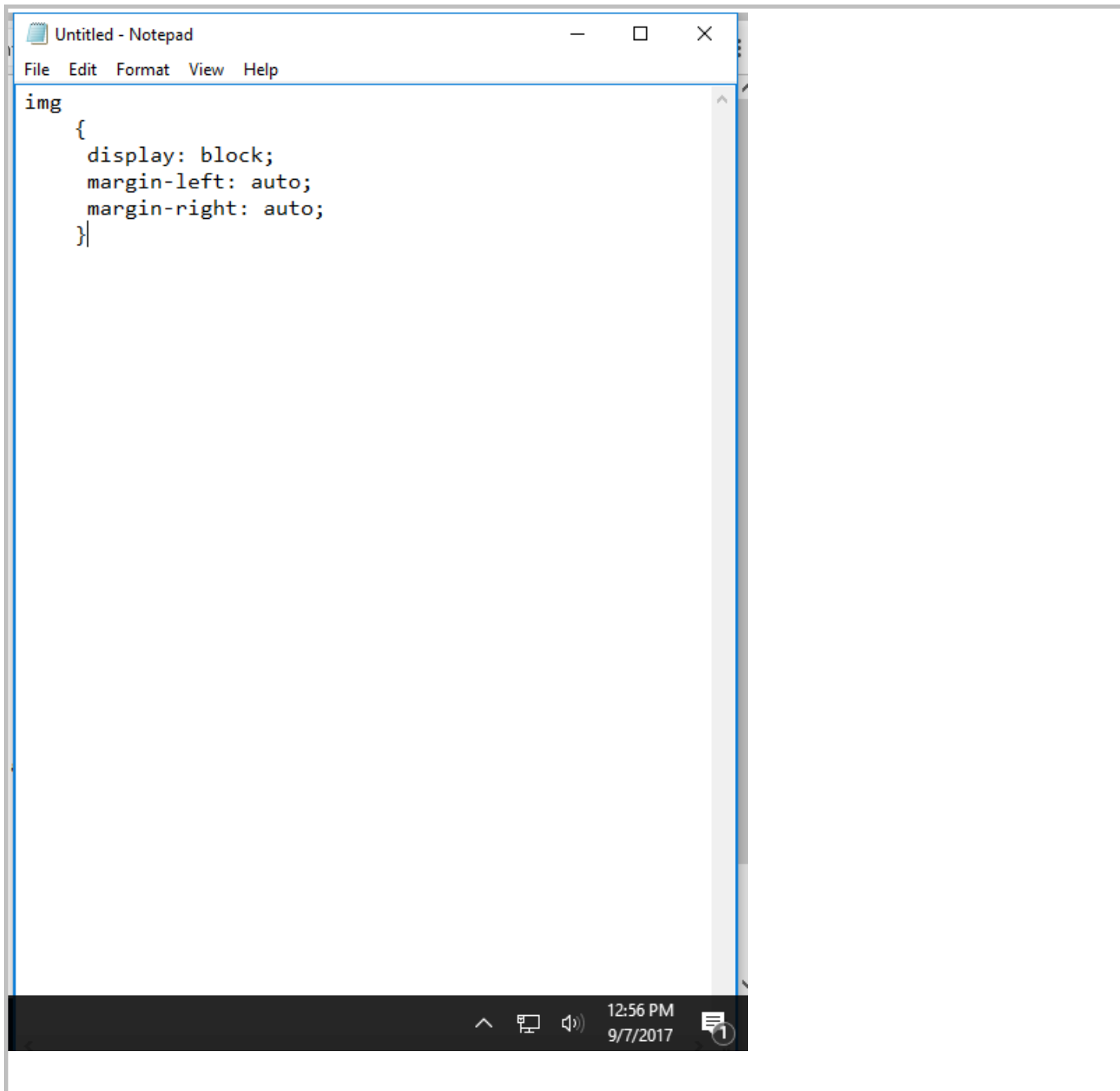
Introduction x http://www.pgrocer.net/Cis17/H x http://www.pgrocer.net/Cis17/H x +

view-source:http://www.pgrocer.net/Cis17/HTML/HTML5/HTML5centeredima Search ☆ 📄 ⬇️ 🏠 🛡️ ☰

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Introduction</title>
5 <style type="text/css">
6 body
7   {
8     color: red;
9   }
10 h1
11   {
12     text-align: center;
13     color: blue;
14   }
15 h2
16   {
17     text-align: center;
18   }
19 li
20   {
21     color: green;
22   }
23 img
24   {
25     display: block;
26     margin-left: auto;
27     margin-right: auto;
28   }
29 </style>
30 </head>
31 <body>
32 <h1>This is an introduction to HTML.</h1>
33 <h2>Now I am going to make an ordered list followed by an unordered list!</h2>
34 
35 </p>
36 <ol>
37 <li>First item in the list</li>
38 <li>Second item in the list</li>
39
40 <li>Third item in the list</li>
41 </ol>
42 <ul>
43 <li>First item in the list</li>
44 <li>Second item in the list</li>
```

This is the CSS that centers the page.

Display the progress of ongoing downloads (Ctrl+J)



Linking

http://www.pgrocer.net/Cis17/H

view-source:http://www.pgrocer.net/Cis17/HTML/HTML5/HTML5linkpage.htm

Search

Display the progress of ongoing downloads (Ctrl+J)

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Linking</title>
5 </head>
6 <body>
7 <p>Here are some links:<br><br>
8 <a href="anotherpage.html">Another page</a><br>
9 <a href="newpage.html">New page</a>
10 </p>
11 <p>
12 Note that anotherpage.html exists so you move to that page and newpage.html
13 does not exist so you see an error.<br>
14 Note also that a when a paragraph ends, a blank line is inserted.
15 </p>
16 </body>
17 </html>
```

Here I am linking to another page. Since there is no address information, the page must be stored in the same folder as the current page.

`<a href="">` words for screen `</a>`



Linking

www.pgrocer.net/Cis17/HTML/HTML5/HTML5morelinks.html

Here are some links:

- [Link to the CIS120 page](#)
- [Link to a file in a subfolder](#)
- [Link to the first page about links](#)

Note that the first example gives the entire address to a page on the web. The second looks in a subdirectory called subHTML5 to find fileInSubHTML5.html. The subdirectory is in the same folder/directory as the original page. The third example simply links to another page in the same directory.

Note also that a when a paragraph ends, a blank line is inserted.

Linking

www.pgrocer.net/Cis17/HTML/HTML5/HTML5morelinks.html

Here are some links:

- [Link to the CIS120 page](#)
- [Link to a file in a subfolder](#)
- [Link to the first page about links](#)

Note that the first example gives fileInSubHTML5.html. The subdirectory.

Note also that a when a paragraph

www.pgrocer.net  
Cis17  
HTML  
HTML5  
SubHTML5

```
<!DOCTYPE html>
<html>
<head>
<title>Linking</title>
</head>
<body>
<p>Here are some links:<br><br>
<a href="http://www.pgrocer.net/PFGCIS120.html">Link to the CIS120 page</a><br>
<a href="subHTML5/fileInSubHTML5.html">Link to a file in a subfolder</a><br>
<a href="HTML5linkpage.html">Link to the first page about links</a><br>

</p>
<p>
Note that the first example gives the entire address to a page on the web. The second
called subHTML5 to find fileInSubHTML5.html. The subdirectory is in the same folder/c
page. The third example simply links to another page in the same directory.<br>
Note also that a when a paragraph ends, a blank line is inserted.
</p>
</body>
</html>
```

HTML5 more links.html

1:06 PM 9/7/2017

Linking

www.pgrocer.net/Cis17/HTML/HTML5/HTML5morelinks.html

Here are some links:

- [Link to the CIS120 page](#)
- [Link to a file in a subfolder](#)
- [Link to the first page about links](#)

Note that the first example gives fileInSubHTML5.html. The subdirectory.

Note also that a when a paragraph

```
<!DOCTYPE html>
<html>
<head>
<title>Linking</title>
</head>
<body>
<p>Here are some links:<br><br>
<a href="http://www.pgrocer.net/PFGCIS120.html">Link to the CIS120 page</a><br>
<a href="subHTML5/fileInSubHTML5.html">Link to a file in a subfolder</a><br>
<a href="HTML5linkpage.html">Link to the first page about links</a><br>

</p>
<p>
Note that the first example gives the entire address to a page on the web. The second
called subHTML5 to find fileInSubHTML5.html. The subdirectory is in the same folder/c
page. The third example simply links to another page in the same directory.<br>
Note also that a when a paragraph ends, a blank line is inserted.
</p>
</body>
</html>
```

HTML5 more links.html

www.pgrocer.net  
CIS17  
HTML  
SubHTML5

SMART Ink

1:08 PM  
9/7/2017

Linking

www.pgrocer.net/Cis17/HTML/HTML5/subHTML5/fileInSubHTML5.html

Search

Display the progress of ongoing downloads (Ctrl+J)


## This is the beginning!

Here are some links:

[Link to my home page](#)  
[Link back to the previous page](#)

Note the .. which links back to the previous directory which contains the page we are looking for.  
Note also that a when a paragraph ends, a blank line is inserted.

## This is the end!



```
Untitled - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
<head>
<title>Linking</title>
</head>
<body>
<h2>This is the beginning!</h2>
<p>Here are some links:<br><br>
  <a href="http://www.pgrocer.net">Link to my home page</a><br>
  <a href=" ../HTML5morelinks.html">Link back to the previous page</a><br>
</p>
<p>
Note the .. which links back to the previous directory which contains the page we are
Note also that a when a paragraph ends, a blank line is inserted.
</p>
<h2>This is the end!</h2>
</body>
</html>
```

*Folder*


Introduction X http://www.pgrocer.net/Cis17/H X +

www.pgrocer.net/Cis17/HTML/HTML5/HTML5CSSStable.html Search

www.bristolcc.edu

This is an introduction to HTML.

Now I am going to make a table!

This is the first cell of the table.	
This is the second row and the left most cell	This is the second row and the right most cell

1:33 PM

```
Untitled - Notepad
File Edit Format View Help
body
  {
    color: navy;
  }
p
  {
    text-align: center;
    font-size: 2em;
  }
li
  {
    color: green;
  }
table {
  border: solid thick;
}
td
  {
    border: solid thin;
  }
</style>
</head>
<body>
<p>This is an introduction to HTML.<br><br>
Now I am going to make a table!</p>
<table>
<tr>
<td>This is the first cell of the table.</td>
<td></td>
</tr>
```

```
Untitled - Notepad
File Edit Format View Help
font-size: 2em;
}
li
{
color: green;
}
table {
border: solid thick;
}
td
{
border: solid thin;
}
</style>
</head>
<body>
<p>This is an introduction to HTML.<br><br>
Now I am going to make a table!</p>
<table>
<tr>
<td>This is the first cell of the table.</td>
<td></td>
</tr>
<tr>
<td>This is the second row and the left most cell</td>
<td>This is the second row and the right most cell</td>
</tr>
</table>
</body>
</html>
```

*not needed*

The slash is from XHTML and is not needed in HTML5. It does no harm.



```
Introduction
http://www.pgrocer.net/Cis17/H
http://www.pgrocer.net/Cis17/H
view-source:http://www.pgrocer.net/Cis17/HTML/HTML5/HTML5CSScentered
Search
☆
📁
↓
🏠
🛡️
☰

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Introduction</title>
5 <style type="text/css">
6 body
7   {
8     color: navy;
9   }
10 p
11   {
12     text-align: center;
13     font-size: 2em;
14   }
15 li
16   {
17     color: green;
18   }
19 table {
20     margin: auto;
21     border: solid thick;
22   }
23 td
24   {
25     border: solid thin;
26   }
27 </style>
28 </head>
29 <body>
30 <p>This is an introduction to HTML.<br><br>
31 Now I am going to make a table!</p>
32 <table>
33 <tr>
34 <td>This is the first cell of the table.</td>
35 <td></td>
36 </tr>
37 <tr>
38 <td>This is the second row and the left most cell</td>
39 <td>This is the second row and the right most cell</td>
40 </tr>
41 </table>
42 </body>
43 </html>
```

This will center the table.


Introduction

http://www.pgrocer.net/Cis17/H X http://www.pgrocer.net/Cis17/H X +

www.pgrocer.net/Cis17/HTML/HTML5/HTML5CSScenteredtable.html Search

This is an introduction to HTML.

Now I am going to make a table!

This is the first cell of the table.	
This is the second row and the left most cell	This is the second row and the right most cell

Mobile navigation icons: back, forward, search, home, etc.