

```
File Edit View History Bookmarks Tools Help
Linking within a page x http://www.pgrocer.net/Cis44/HTML/ X +
view-source:https://www.pgrocer.net/Cis44/HTML5/linking/linkwithpageid5.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Linking within a page</title>
6 </head>
7 <body>
8 <div id="top"></div>
9 <h2>Linking within a page</h2>
10 <p>Four score and seven years ago, our fathers brought
11 forth on this continent a new nation, conceived in
12 liberty and dedicated to the proposition that all men
13 are created equal - I think I got the quote right, but...</p>
14 <p>Four score and seven years ago, our fathers brought
15 forth on this continent a new nation, conceived in
16 liberty and dedicated to the proposition that all men
17 are created equal - I think I got the quote right, but...</p>
18 <p>Four score and seven years ago, our fathers brought
19 forth on this continent a new nation, conceived in
20 liberty and dedicated to the proposition that all men
21 are created equal - I think I got the quote right, but...</p>
22
23 <div id="details"></div>
24 <ul>
25 <li>Delivered by Abraham Lincoln</li>
26 <li>Delivered at Gettysburg, Pennsylvania</li>
27 <li>Delivered on November 19, 1863</li>
28 </ul>
29 <p id="fulltext">Gettysburg Address</p>
30 "Four score and seven years ago our fathers brought forth on this continent a new nation,
31 conceived in liberty and dedicated to the proposition that all men are created equal.
32 Now we are engaged in a great civil war, testing whether that nation or any nation so
33 conceived and so dedicated can long endure. We are met on a great battlefield of that war.
34 We have come to dedicate a portion of that field as a final resting-place for those who
35 here gave their lives that that nation might live. It is altogether fitting and proper that
36 we should do this.
37 But in a larger sense, we cannot dedicate, we cannot consecrate, we cannot hallow this
38 ground. The brave men, living and dead who struggled here have consecrated it far above our
39 poor power to add or detract. The world will little note nor long remember what we say here,
40 but it can never forget what they did here. It is for us the living rather to be dedicated
41 here to the unfinished work which they who fought here have thus far so nobly advanced. It
42 is rather for us to be here dedicated to the great task remaining before us--that from
43 these honored dead we take increased devotion to that cause for which they gave the last
44 full measure of devotion--that we here highly resolve that these dead shall not have died
45 in vain, that this nation under God shall have a new birth of freedom, and that government
46 of the people, by the people, for the people shall not perish from the earth."
47 Abraham Lincoln</p>
48 <h2>And now to fill space...</h2>
49 <p>Four score and seven years ago, our fathers brought
50 forth on this continent a new nation, conceived in
51 liberty and dedicated to the proposition that all men
52 are created equal - I think I got the quote right, but...</p>
53
54 <p>Four score and seven years ago, our fathers brought
55 forth on this continent a new nation, conceived in
56 liberty and dedicated to the proposition that all men
57 are created equal - I think I got the quote right, but...</p>
58 <p>Four score and seven years ago, our fathers brought
59 forth on this continent a new nation, conceived in
60 liberty and dedicated to the proposition that all men
```

Entry point to branch back to with #details

Entry point to branch back to with #fulltext

```
File Edit View History Bookmarks Tools Help SMART Ink
Linking within a page
view-source:https://www.pgrocer.net/Cis44/HTML5/inking/linkwithinpageid5.html
20 liberty and dedicated to the proposition that all men
21 are created equal - I think I got the quote right, but...</p>
22
23 <div><a id="details"></a></div>
24 <ul>
25 <li>Delivered by Abraham Lincoln</li>
26 <li>Delivered at Gettysburg, Pennsylvania</li>
27 <li>Delivered on November 19 ,1863</li>
28 </ul>
29 <p><a id="fulltext">Gettysburg Address</a><br><br>
30 "Four score and seven years ago our fathers brought forth on this continent a new nation,
31 conceived in liberty and dedicated to the proposition that all men are created equal.
32 Now we are engaged in a great civil war, testing whether that nation or any nation so
33 conceived and so dedicated can long endure. We are met on a great battlefield of that war.
34 We have come to dedicate a portion of that field as a final resting-place for those who
35 here gave their lives that that nation might live. It is altogether fitting and proper that
36 we should do this.
37 But in a larger sense, we cannot dedicate, we cannot consecrate, we cannot hallow this
38 ground. The brave men, living and dead who struggled here have consecrated it far above our
39 poor power to add or detract. The world will little note nor long remember what we say here,
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41 here to the unfinished work which they who fought here have thus far so nobly advanced. It
42 is rather for us to be here dedicated to the great task remaining before us--that from
43 these honored dead we take increased devotion to that cause for which they gave the last
44 full measure of devotion--that we here highly resolve that these dead shall not have died
45 in vain, that this nation under God shall have a new birth of freedom, and that government
46 of the people, by the people, for the people shall not perish from the earth."
47 Abraham Lincoln</p>
48 <h2>And now to fill space...</h2>
49 <p>Four score and seven years ago, our fathers brought
50 forth on this continent a new nation, conceived in
51 liberty and dedicated to the proposition that all men
52 are created equal - I think I got the quote right, but...</p>
53
54 <p>Four score and seven years ago, our fathers brought
55 forth on this continent a new nation, conceived in
56 liberty and dedicated to the proposition that all men
57 are created equal - I think I got the quote right, but...</p>
58 <p>Four score and seven years ago, our fathers brought
59 forth on this continent a new nation, conceived in
60 liberty and dedicated to the proposition that all men
61 are created equal - I think I got the quote right, but...</p>
62 <p>Four score and seven years ago, our fathers brought
63 forth on this continent a new nation, conceived in
64 liberty and dedicated to the proposition that all men
65 are created equal - I think I got the quote right, but...</p>
66 <p>Four score and seven years ago, our fathers brought
67 forth on this continent a new nation, conceived in
68 liberty and dedicated to the proposition that all men
69 are created equal - I think I got the quote right, but...</p>
70 <p>Four score and seven years ago, our fathers brought
71 forth on this continent a new nation, conceived in
72 liberty and dedicated to the proposition that all men
73 are created equal - I think I got the quote right, but...</p>
74 <p><a href="#top">Go to the top</a><br>
75 <a href="#details">Go to the details</a><br>
76 <a href="#fulltext">Go to the full text</a></p>
77 </body>
78
79 </html>
80
```

```
File Edit View History Bookmarks Tools Help SMART Ink
Linking within a page
view-source:https://www.pgrocer.net/Cis44/HTML5/inking/linkwithinpageid5.html
20 liberty and dedicated to the proposition that all men
21 are created equal - I think I got the quote right, but...</p>
22
23 <div><a id="details"></a></div>
24 <ul>
25 <li>Delivered by Abraham Lincoln</li>
26 <li>Delivered at Gettysburg, Pennsylvania</li>
27 <li>Delivered on November 19 ,1863</li>
28 </ul>
29 <p><a id="fulltext">Gettysburg Address</a><br><br>
30 "Four score and seven years ago our fathers brought forth on this continent a new nation,
31 conceived in liberty and dedicated to the proposition that all men are created equal.
32 Now we are engaged in a great civil war, testing whether that nation or any nation so
33 conceived and so dedicated can long endure. We are met on a great battlefield of that war.
34 We have come to dedicate a portion of that field as a final resting-place for those who
35 here gave their lives that that nation might live. It is altogether fitting and proper that
36 we should do this.
37 But in a larger sense, we cannot dedicate, we cannot consecrate, we cannot hallow this
38 ground. The brave men, living and dead who struggled here have consecrated it far above our
39 poor power to add or detract. The world will little note nor long remember what we say here,
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41 here to the unfinished work which they who fought here have thus far so nobly advanced. It
42 is rather for us to be here dedicated to the great task remaining before us--that from
43 these honored dead we take increased devotion to that cause for which they gave the last
44 full measure of devotion--that we here highly resolve that these dead shall not have died
45 in vain, that this nation under God shall have a new birth of freedom, and that government
46 of the people, by the people, for the people shall not perish from the earth."
47 Abraham Lincoln</p>
48 <h2>And now to fill space...</h2>
49 <p>Four score and seven years ago, our fathers brought
50 forth on this continent a new nation, conceived in
51 liberty and dedicated to the proposition that all men
52 are created equal - I think I got the quote right, but...</p>
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54 <p>Four score and seven years ago, our fathers brought
55 forth on this continent a new nation, conceived in
56 liberty and dedicated to the proposition that all men
57 are created equal - I think I got the quote right, but...</p>
58 <p>Four score and seven years ago, our fathers brought
59 forth on this continent a new nation, conceived in
60 liberty and dedicated to the proposition that all men
61 are created equal - I think I got the quote right, but...</p>
62 <p>Four score and seven years ago, our fathers brought
63 forth on this continent a new nation, conceived in
64 liberty and dedicated to the proposition that all men
65 are created equal - I think I got the quote right, but...</p>
66 <p>Four score and seven years ago, our fathers brought
67 forth on this continent a new nation, conceived in
68 liberty and dedicated to the proposition that all men
69 are created equal - I think I got the quote right, but...</p>
70 <p>Four score and seven years ago, our fathers brought
71 forth on this continent a new nation, conceived in
72 liberty and dedicated to the proposition that all men
73 are created equal - I think I got the quote right, but...</p>
74 <p><a href="#top">Go to the top</a><br>
75 <a href="#details">Go to the details</a><br>
76 <a href="#fulltext">Go to the full text</a></p>
77 </body>
78
79 </html>
80
```

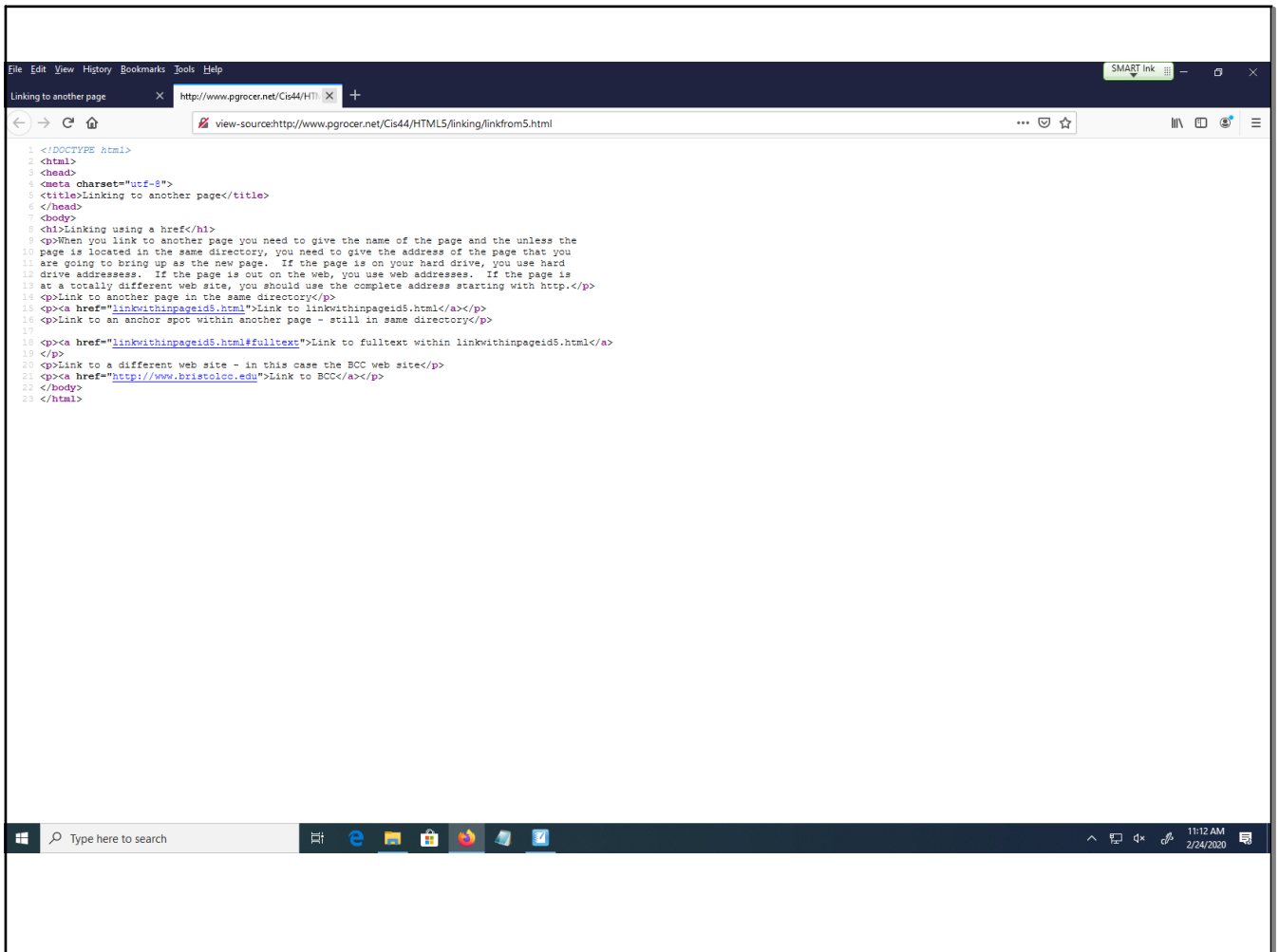
The screenshot shows a SMART Notebook application window. On the left, a sidebar displays a table of contents with items like "Linking within a page", "Four score and seven years ago, our fathers brought forth on this continent a new nation, conceived in liberty and dedicated to the proposition that all men are created equal - I think I got the quote right, but...", "Delivered by Abraham Lincoln", "Delivered at Gettysburg, Pennsylvania", "Delivered on November 19, 1863", and "Gettysburg Address".

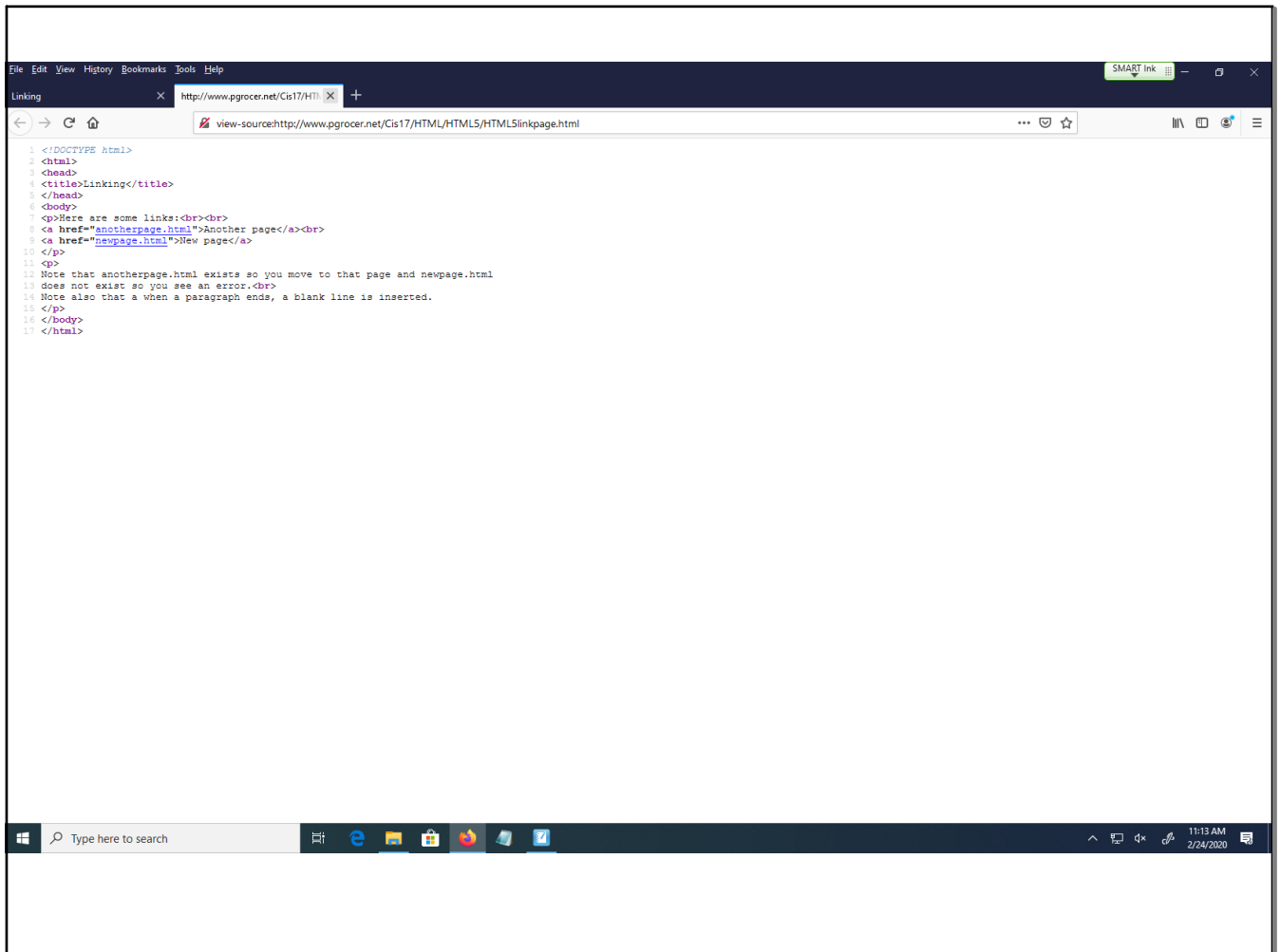
The main workspace is divided into two windows:

- Browser Window:** Displays a page titled "Linking within a page" with the text "Four score and seven years ago, our fathers brought forth on this continent a new nation, conceived in liberty and dedicated to the proposition that all men are created equal - I think I got the quote right, but...". Below this text is a bulleted list:
 - Delivered by Abraham Lincoln
 - Delivered at Gettysburg, Pennsylvania
 - Delivered on November 19, 1863
 A "Gettysburg Address" link is also visible.
- Notepad Window:** Contains HTML code for the page content, including:


```

      <div id="details"></div>
      <ul>
      <li>Delivered by Abraham Lincoln</li>
      <li>Delivered at Gettysburg, Pennsylvania</li>
      <li>Delivered on November 19, 1863</li>
      </ul>
      Note that this is within <p>
      <p id="fulltext">Gettysburg Address</p><br><br>
      "Fourscore and seven years ago our fathers brought forth on this continent a new nation, conceived in liberty and dedicated to the proposition that all men are created equal. Now we are engaged in a great civil war, testing whether that nation or any nation so conceived and so dedicated can long endure. We are met on a great battlefield of that war. We have come to dedicate a portion of that field as a final resting-place for those who here gave their lives that that nation might live. It is altogether fitting and proper that we should do this. But in a larger sense, we cannot dedicate, we cannot consecrate, we cannot hallow this ground. The brave men, living and dead who struggled here have consecrated it far above our poor power to add or detract. The world will little note nor long remember what we say here, but it can never forget what they did here. It is for us the living rather to be dedicated here to the unfinished work which they who fought here have thus far so nobly advanced. It is rather for us to be here dedicated to the great task remaining before us--that from these honored dead we take increased devotion to that cause for which they gave the last full measure of devotion--that we here highly resolve that these dead shall not have died
      
```

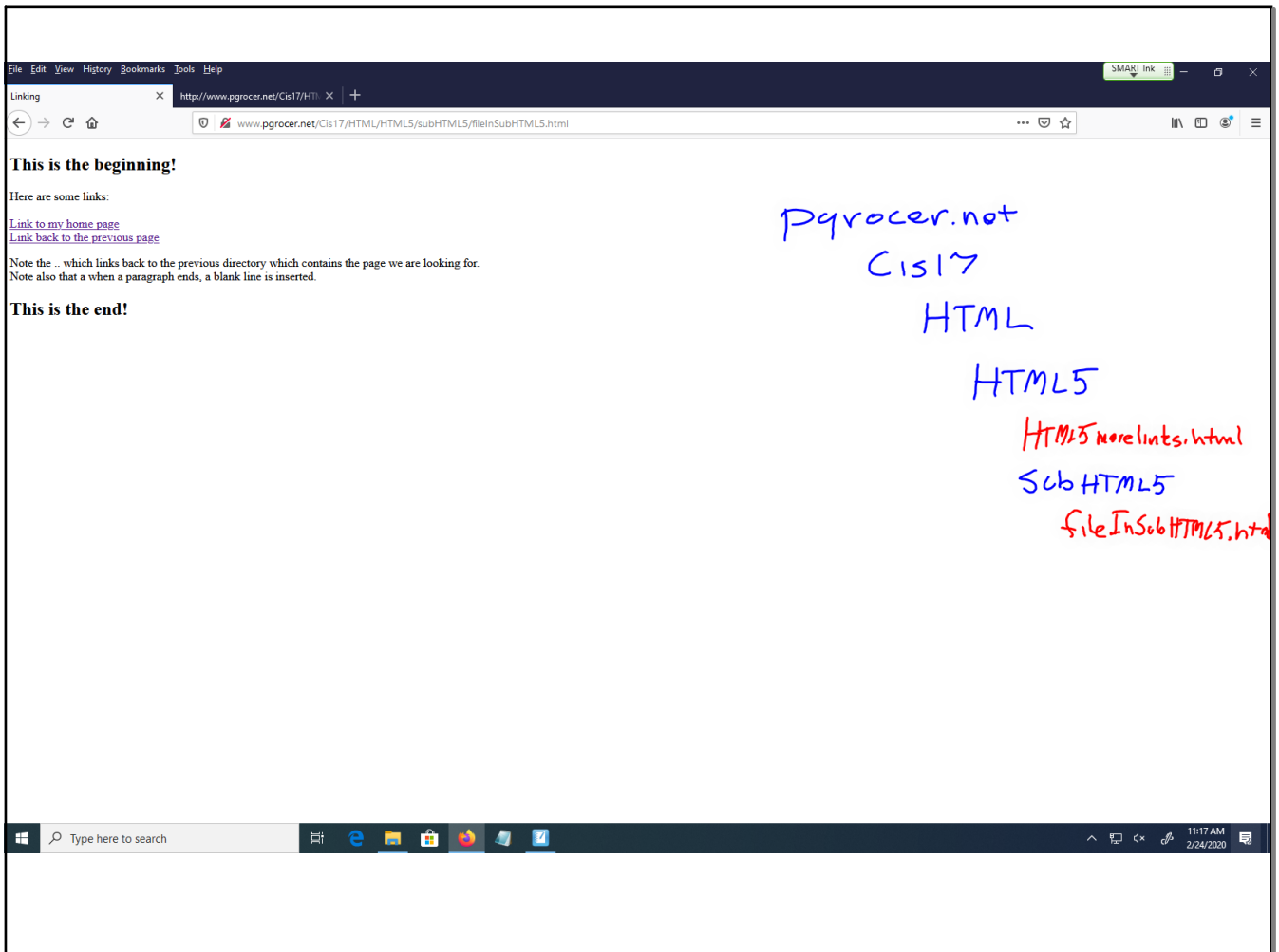




Pyrocer.net
Cis17
HTML
HTML5
HTML5 morelinks.html
Sub HTML5
fileInSubHTML5.html

```
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="http://www.pyrocer.net/PFGCIS120.html">Link to the CIS120 page</a><br>
9 <a href="subHTML5/fileInSubHTML5.html">Link to a file in a subfolder</a><br>
10 <a href="HTML5linkpage.html">Link to the first page about links</a><br>
11
12 </p>
13 <p>
14 Note that the first example gives the entire address to a page on the web. The second looks in a subdirectory
15 called subHTML5 to find fileInSubHTML5.html. The subdirectory is in the same folder/directory as the original
16 page. The third example simply links to another page in the same directory.<br>
17 Note also that a when a paragraph ends, a blank line is inserted.
18 </p>
19 </body>
20 </html>
```

Link to a file in a subfolder. I am sitting in HTML5 so the subfolder I link to is also in HTML5



The .. backs up a directory. I am sitting in subHTML5 and I back up to HTML5 to get the page in that folder.

Pyrocer.net
Cis17
HTML
HTML5
HTML5 morelinks.html
Sub HTML5
fileInSubHTML5.html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Linking</title>
5 </head>
6 <body>
7 <h2>This is the beginning!</h2>
8 <p>Here are some links:<br><br>
9 <a href="http://www.pyrocer.net">Link to my home page</a><br>
10 <a href="..HTML5morelinks.html">Link back to the previous page</a><br>
11 </p>
12 <p>
13 Note the .. which links back to the previous directory which contains the page we are looking for.<br>
14 Note also that a When a paragraph ends, a blank line is inserted.
15 </p>
16 <h2>This is the end!</h2>
17 </body>
18 </html>
```

Centering tables

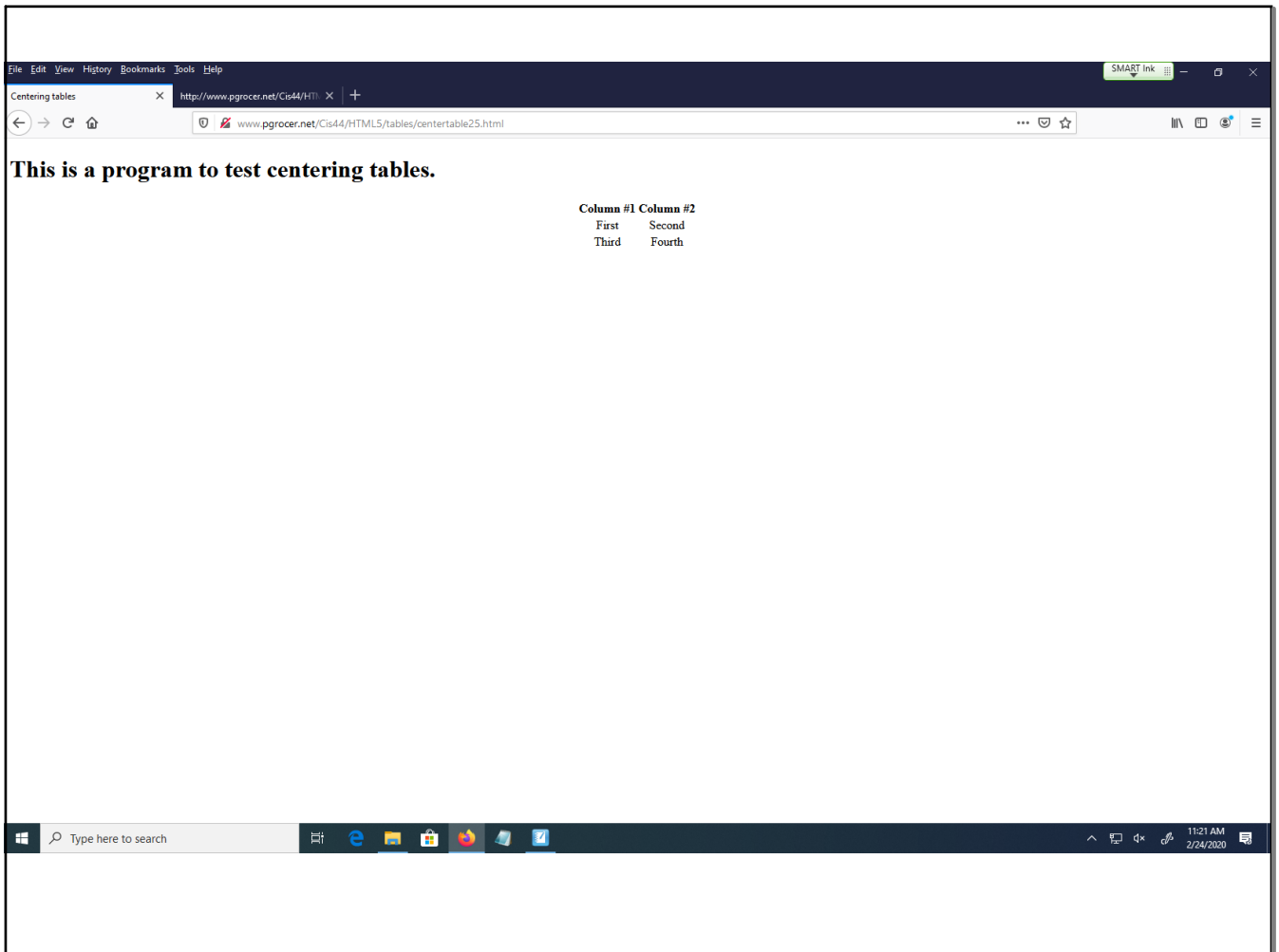
view-source: <http://www.pgrocer.net/Cis44/HTML5/tables/centertable25.html>

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="utf-8">
5 <title>Centering tables</title>
6 <style type="text/css">
7 table
8 {
9     margin-left: auto;
10    margin-right: auto;
11    text-align: center;
12 }
13 </style>
14 </head>
15 <body>
16 <h1>This is a program to test centering tables.</h1>
17 <table>
18 <tr>
19 <th>Column #1</th>
20 <th>Column #2</th>
21 </tr>
22 <tr>
23 <td>First</td>
24 <td>Second</td>
25 </tr>
26 <tr>
27 <td>Third</td>
28 <td>Fourth</td>
29 </tr>
30 </table>
31 </body>
32 </html>
33
```

Center a table with margin and then I used the text-align to center the text in the cells.

Type here to search

11:21 AM
2/24/2020

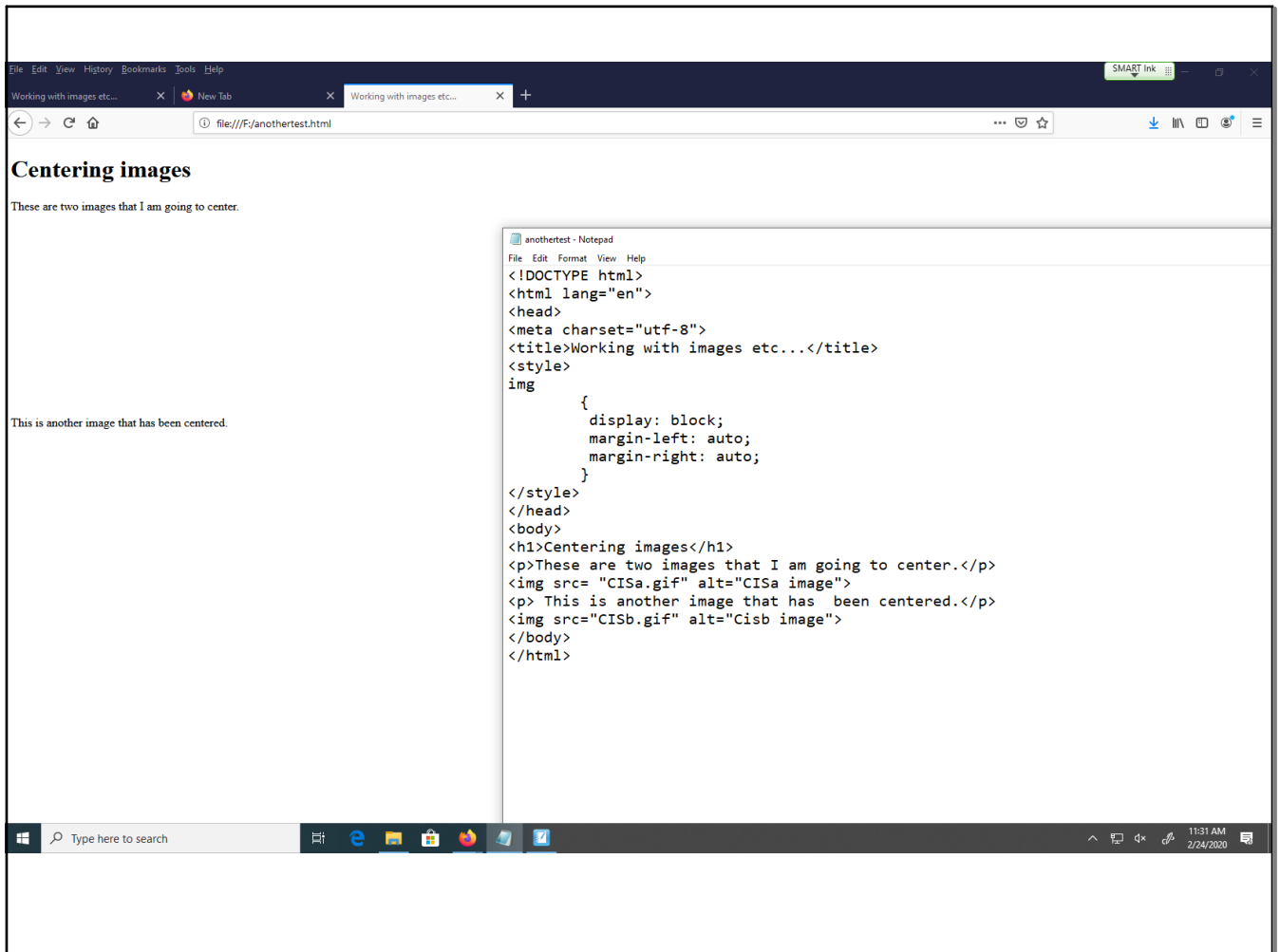


The screenshot shows a web browser window with a table titled "My schedule". The table has 6 columns: Period, Monday, Tuesday, Wednesday, Thursday, and Friday. The rows represent different time periods and activities.

Period	Monday	Tuesday	Wednesday	Thursday	Friday
9:30	Office Hour	CIS150		CIS150	
11:00	CIS122	CIS120	Not on campus	CIS120	Meetings
12:30					
2:00	Meetings	Lab K101		Lab K101	

Below the table, the browser's "view-source" window shows the HTML code used to create the table. The code includes a colspan="6" header and various rowspan and colspan attributes to handle the "Not on campus" and "Meetings" cells.

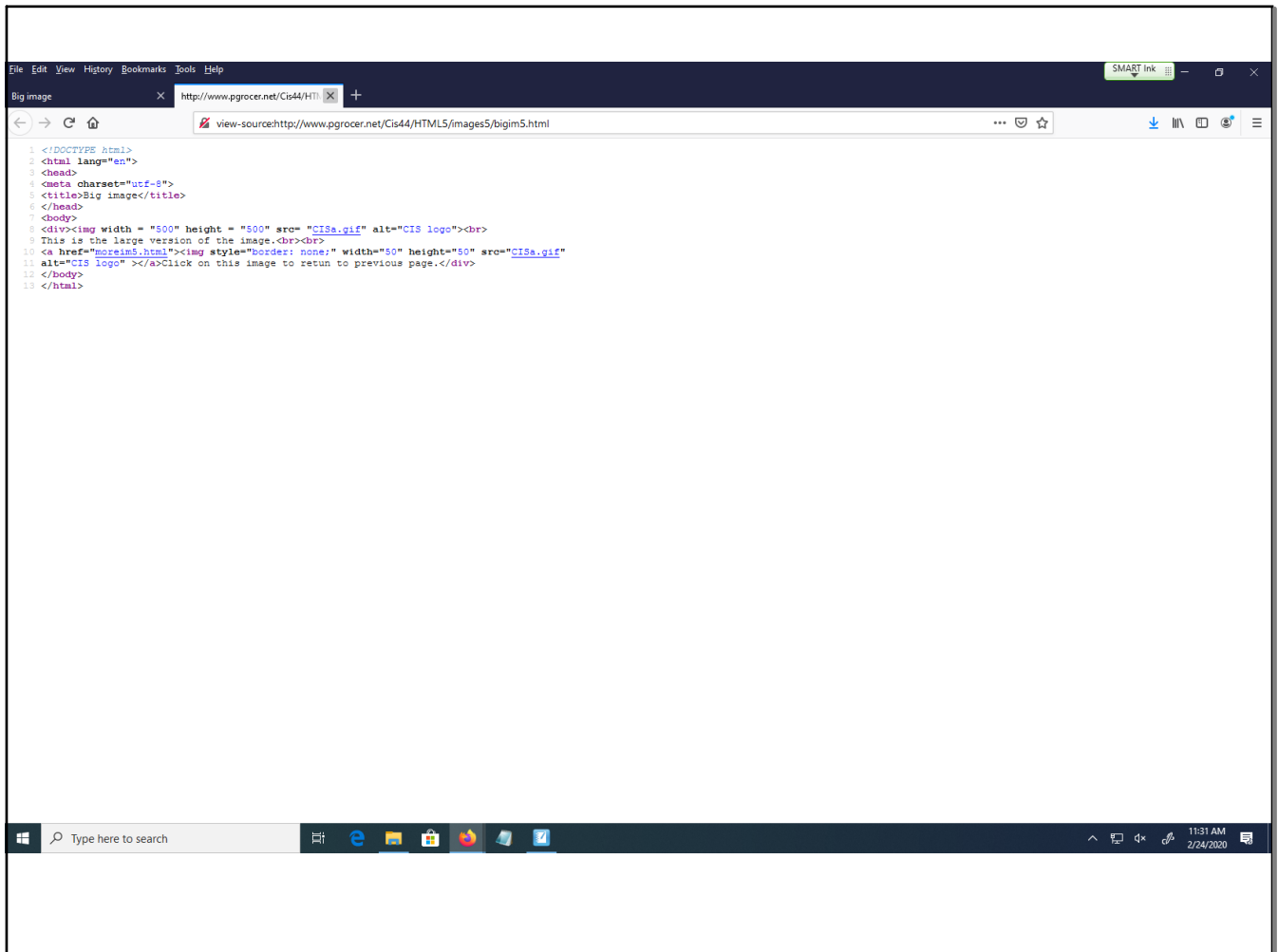
```
22 </head>
23 <body>
24 <table>
25 <tr>
26 <th colspan="6" style="background-color: beige; color: green;">My schedule</th>
27 </tr>
28 <tr>
29 <td>Period</td>
30 <td>Monday</td>
31 <td>Tuesday</td>
32 <td>Wednesday</td>
33 <td>Thursday</td>
34 <td>Friday</td>
35 </tr>
36 <tr>
37 <td>9:30</td>
38 <td>Office Hour</td>
39 <td>CIS150</td>
40 <td rowspan="2">Not on campus</td>
41 <td>CIS150</td>
42 <td rowspan="2">Meetings</td>
43 </tr>
44 <tr>
45 <td>11:00</td>
46 <td rowspan="2">CIS122</td>
47 <td rowspan="2">CIS120</td>
48 <td rowspan="2">CIS120</td>
49 </tr>
50 <tr>
51 <td>12:30</td>
52 </tr>
53 <tr>
54 <td>2:00</td>
55 <td>Meetings</td>
56 <td>Lab K101</td>
57 <td>Lab K101</td>
58 </tr>
59 </table>
60 </body>
61 </html>
```



The screenshot shows a web browser window with the following content:

- Page Title:** Centering images
- Text:** These are two images that I am going to center.
- Image 1:** A 3D, perspective-rendered image of the text "COMING INFORMATION SYSTEMS DEPARTMENT" slanted to the right.
- Text:** This is another image that has been centered.
- Image 2:** A 3D, perspective-rendered image of the text "INFORMATION SYSTEMS DEPARTMENT" centered horizontally.
- Code Editor:** A window titled "view-source:file:///F:/anotherest.html" showing the following HTML code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="utf-8">
5 <title>Working with images etc...</title>
6 <style>
7   img
8   {
9     margin-left: auto;
10    margin-right: auto;
11  }
12 </style>
13 </head>
14 <body>
15 <h1>Centering images</h1>
16 <p>These are two images that I am going to center.</p>
17 
18 <p> This is another image that has been centered.</p>
19 
```



This is an image that I am going to map...
You can use Microsoft Photo Editor or another graphic package to get the coordinates.

Link to I This is where I go when I select I!

Link to M This is where I go when I select M!

Link to A This is where I go when I select A!

Link to G This is where I go when I select G!

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Mapping...</title>
6 </head>
7 <body>
8 <p>This is an image that I am going to map...<br>
9 You can use Microsoft Photo Editor or another graphic package to get the coordinates.<br>
10 </p>
11 <map name="theimage">
12 <area shape="rect" alt="I" coords="2,19,8,75" href="#I">
13 <area shape="rect" alt="M" coords="14,29,42,65" href="#M">
14 <area shape="rect" alt="A" coords="49,22,63,55" href="#A">
15 </map>
16 <area shape="rect" alt="G" coords="76,14,92,49" href="#G">
17 <area shape="rect" alt="I" coords="99,8,115,30" href="#I">
18 </map>
19 
20 <br>
21 <br>
22 <br>
23 <br>
24 <br>
25 <br>
26 <br>
27 <br>
28 <br>
29 <br>
30 <br>
31 <br>
32 </p>
33 </body>
34 </html>
35 <p><a id="I">Link to I</a>
36 This is where I go when I select I!
37 <br>
38 <br>
39 <br>
40 <p><a id="I">Link to I</a>
41 This is where I go when I select I!
42 <br>
43 <br>
44 </p>
45 </body>
46 </html>
```

Circle
center, radius

2,19
8,75

Poly

The screenshot shows a web browser window displaying HTML code for a mapping application. The code includes a meta charset, a title, and several area elements with coordinates and href attributes. A Paint application is overlaid on the browser, showing a 134 x 101 pixel image with the text "Image" and a blue instruction: "If I click on a place in the image the coordinates show at the bottom on the left." The Windows taskbar at the bottom shows the time as 11:41 AM on 2/24/2020.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Mapping...</title>
6 </head>
7 <body>
8 <p>This is an image that I am going to map...<br>
9 You can use Microsoft Photo Editor or another graphic package to get the coordina
10 <br>
11 <map name="cheimage">
12 <area shape="rect" alt="I" coords="2,18,8,75" href="#i">
13 <area shape="rect" alt="M" coords="14,29,42,65" href="#m">
14 <area shape="rect" alt="A" coords="49,22,63,55" href="#a">
15
16 <area shape="rect" alt="G" coords="74,14,92,49" href="#g">
17 <area shape="rect" alt="E" coords="99,8,115,30" href="#e">
18 </map>
19 
20 <br>
21 <br>
22 <br>
23 <br>
24 <br>
25 <br>
26 <br>
27 <br>
28 <br>
29 <br>
30 <br>
31 <br>
32 </p>
33
34 <p><a id="i">Link to I</a>
35 This is where I go when I select I!
36 <br>
37 <br>
38 <br>
39 <br>
40 <br>
41 <br>
42 <br>
43 <br>
44 </p>
45 <p><a id="m">Link to M</a>
46 This is where I go when I select M!
47 <br>
48 <br>
49 <br>
50 <br>
51 <br>
52 <br>
53 <br>
54 <br>
55 </p>
56 <p><a id="a">Link to A</a>
57 This is where I go when I select A!
58 <br>
59 <br>
60 <br>
```

The screenshot displays a web browser window with two tabs. The active tab is titled "Customer Form" and shows a web page with the URL "http://www.pgrocer.net/CIS122/forms/custFormStillMore.html". The page content is a "Customer Information" form. The form includes the following elements:

- Customer Information:** A section header.
- Name:** A text input field.
- Location:** A text input field.
- State:** A dropdown menu with "New York" selected.
- Gender:** Radio buttons for "Female" and "Male".
- Payment Methods:** A section titled "Please check off the methods the customer uses to pay:" with checkboxes for "Credit Card", "Check", and "Cash".
- Message:** A text area with a placeholder for a message.
- Buttons:** "Submit" and "Reset" buttons.

The second tab is titled "view-source:http://www.pgrocer.net/CIS122/forms/custFormStillMore.html" and displays the HTML source code for the form. The code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Customer Form</title>
5 <meta charset="utf-8">
6 </head>
7 <body>
8 <h1>Customer Information:</h1>
9 <form action="mailto:priscilla.grocer@bristolcc.edu" method="post" enctype="text/plain">
10 <fieldset>
11 <legend>Customer Information:</legend>
12 <p>
13 <label for="custName">Name:</label>
14 <input type="text" id="custName" name="custName" required>
15 </p>
16 <p>
17 <label for="location">Location:</label>
18 <input type="text" id="location" name="location">
19 </p>
20 <p>
21 State:<br>
22 <select id="state" name="state">
23 <option value="MA">Massachusetts</option>
24 <option value="RI">Rhode Island</option>
25 <option value="NY" selected>New York</option>
26 <option value="MD">Maryland</option>
27 <option value="NC">North Carolina</option>
28 </select>
29 <p>
30 Gender:<br>
31 <input type="radio" id="female" name="gender" value="F">Female<br>
32 <input type="radio" id="male" name="gender" value="M">Male<br>
33 </p>
34 <p>
35 Please check off the methods the customer uses to pay:<br>
36 <input type="checkbox" id="cc" name="cc" value="cc">Credit Card<br>
37 <input type="checkbox" id="chk" name="chk" value="chk">Check<br>
38 <input type="checkbox" id="cash" name="cash" value="cash">Cash<br>
39 </p>
40 <p>
41 <textarea id="msg" name="msg" rows="5" cols="30">
42 </textarea>
43 </p>
44 <p>
45 <input type="submit" value="Submit">
46 <input type="reset" value="Reset">
47 </p>
48 </fieldset>
49 </form>
50 </body>
51 </html>
```

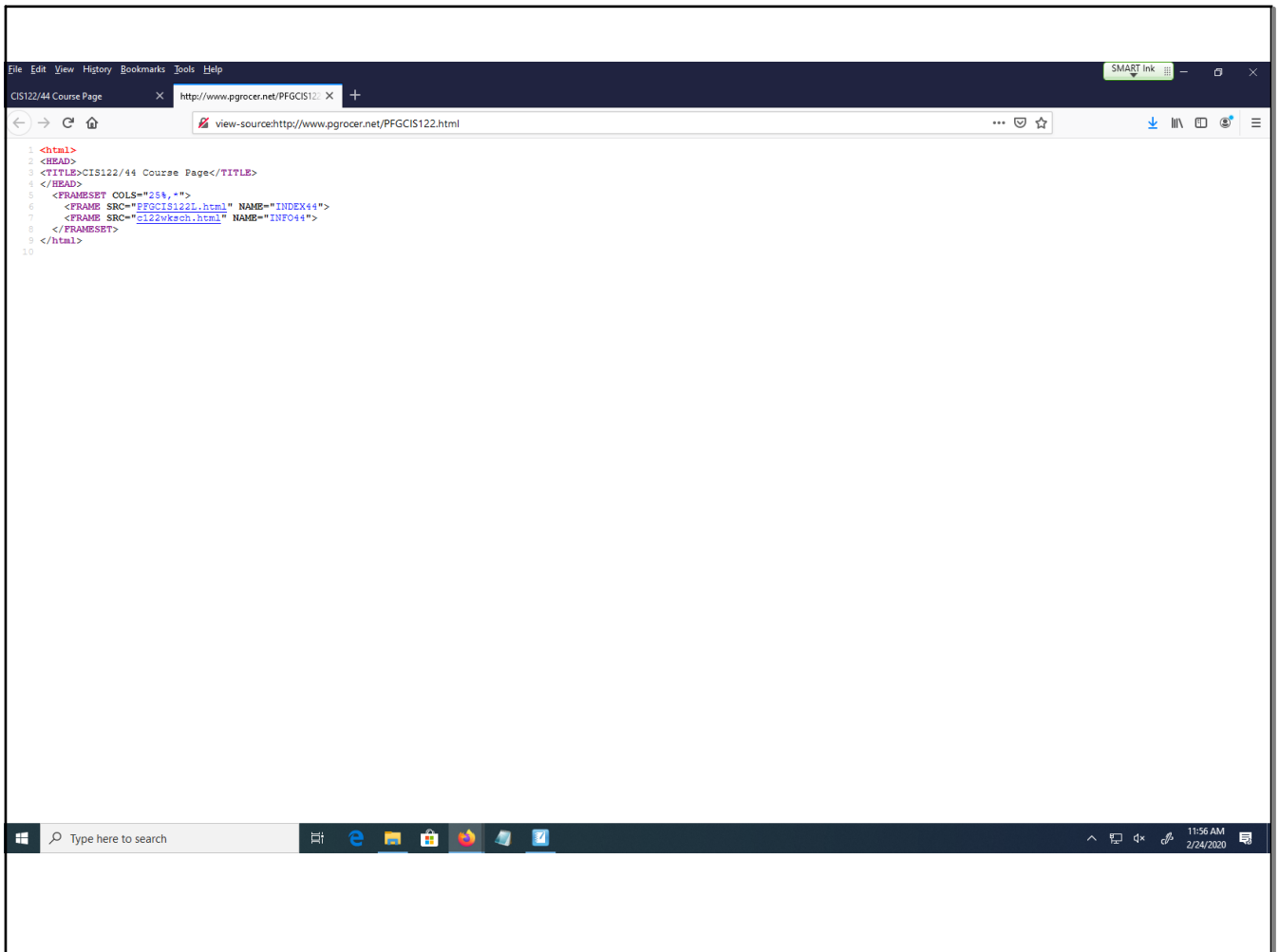
```
File Edit View History Bookmarks Tools Help
Customer Form X http://www.pgrocer.net/CIS122/fo X +
view-source:http://www.pgrocer.net/CIS122/forms/custFormStillMore.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Customer Form</title>
5 <meta charset="utf-8">
6 </head>
7 <body>
8 <h1>Customer Information:</h1>
9 <form action="MailTo:priscilla.grocer@bristoico.edu" method="post" enctype="text/plain">
10 <fieldset>
11 <legend>Customer Information:</legend>
12 <p>
13 <label for="custName">Name</label>
14 <input type="text" id="custName" name="custName" required>
15 </p>
16 <p>
17 <label for="location">Location:</label>
18 <input type="text" id="location" name="location">
19 </p>
20 <p>
21 State:<br>
22 <select id="state" name="state">
23 <option value="MA">Massachusetts</option>
24 <option value="RI">Rhode Island</option>
25 <option value="NY" selected>New York</option>
26 <option value="MD">Maryland</option>
27 <option value="NC">North Carolina</option>
28 </select>
29 <p>
30 Gender:<br>
31 <input type="radio" id="female" name="gender" value="F">Female<br>
32 <input type="radio" id="male" name="gender" value="M">Male<br>
33 </p>
34 <p>
35 Please check off the methods the customer uses to pay:<br>
36 <input type="checkbox" id="cc" name="cc" value="cc">Credit Card<br>
37 <input type="checkbox" id="chk" name="chk" value="chk">Check<br>
38 <input type="checkbox" id="cash" name="cash" value="cash">Cash<br>
39 </p>
40 <p>
41 <textarea id="msg" name="msg" rows="5" cols="30">
42 </textarea>
43 </p>
44 <p>
45 <input type="submit" value="Submit">
46 <input type="reset" value="Reset">
47 </p>
48 </fieldset>
49 </form>
50 </body>
51 </html>
```

TOP OF SCREEN!!!
This is the top header information!
image

BOTTOM OF SCREEN!
This is the bottom header information!
image

```
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>Header Page</title>
7 </head>
8 <frameset rows="50%,*">
9 <frame src="hdrtx.html" name="hdrtop" />
10 <frame src="hdrbx.html" name="hdrbottom" />
11 </frameset>
12 </html>
13
```

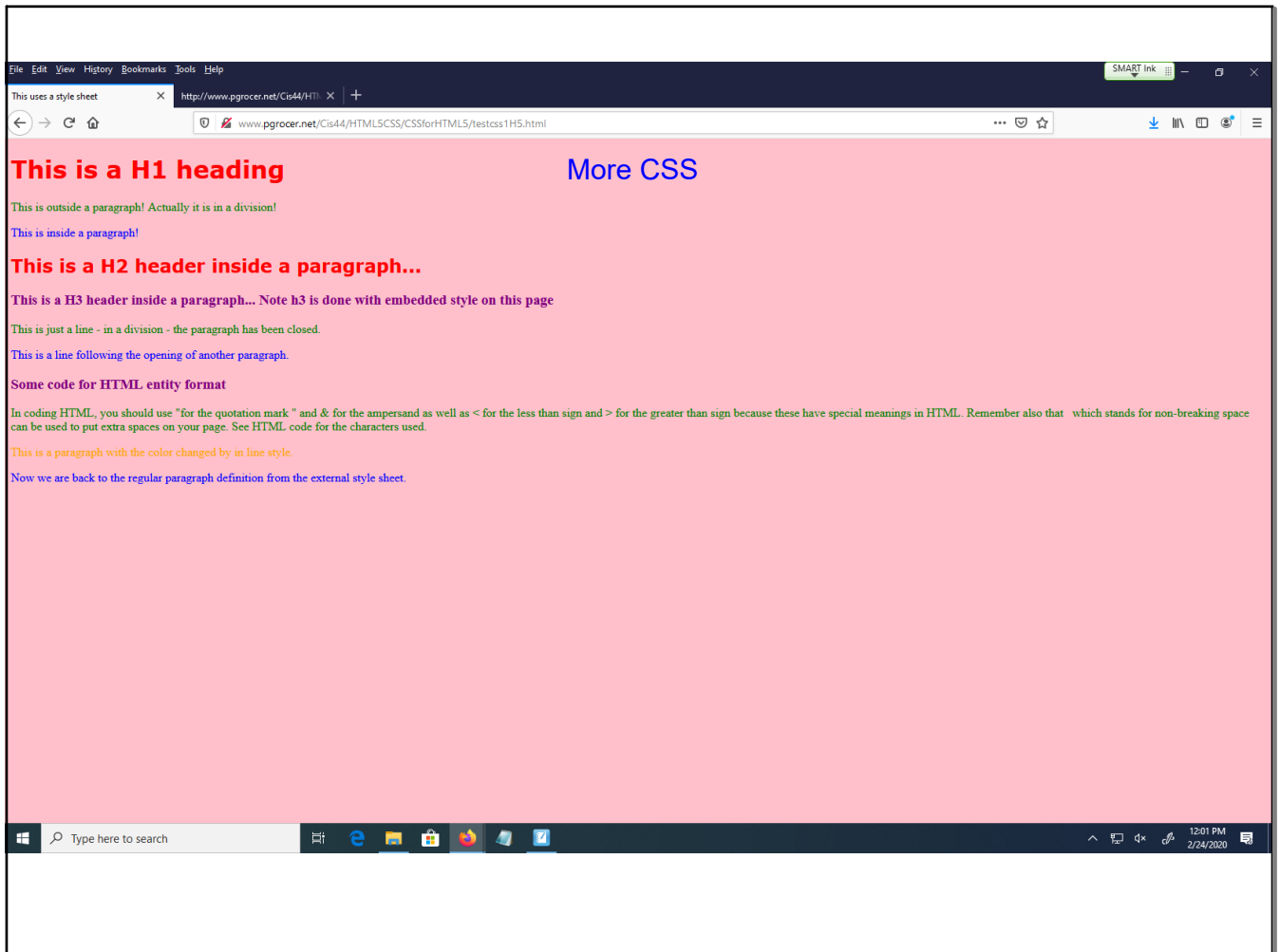
Frames are not supported in HTML5.
You can use iframes instead.



```
File Edit View History Bookmarks Tools Help SMART Ink
iframe link X http://www.pgrocer.net/Cis44/HTML5/frames/iframeimg.html
view-source:http://www.pgrocer.net/Cis44/HTML5/frames/iframeimg.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>iframe link</title>
6 <style type="text/css">
7
8 {
9   text-align: center;
10 }
11
12 .iframe
13 {
14   display: block;
15   margin-left: auto;
16   margin-right: auto;
17   height: 600px;
18   width: 60%;
19 }
20 </style>
21 </head>
22 <body>
23 <h1>Computer Information Systems Department</h1>
24 <h1>Bristol Community College</h1>
25 <p><a href="http://www.pgrocer.net/PFGCIS122.html" target="csiframe">Load CIS122 in the iframe</a></p>
26 <p><a href="http://www.pgrocer.net/index.html" target="csiframe">Load pgrocer.net in the iframe</a></p>
27 <iframe class="iframe" src="http://www.pgrocer.net/index.html" name="csiframe"></iframe>
28
29 </body>
30 </html>
31
32
33
```

The screenshot shows a web browser window with the following content:

- Browser Address Bar:** <http://www.pgrocer.net/Cis44/HTML5/iframes/frameimg.html>
- Page Header:**
 - Computer Information Systems Department
 - Bristol Community College
- Navigation Links:**
 - [Load CIS122 in the iframe](#)
 - [Load pgrocer.net in the iframe](#)
- Main Content Area:**
 - Priscilla Grocer**
Chair, Computer Information Systems, Bristol Community College
 - Navigation menu: [CIS120](#) [CIS122](#) [CIS150](#) [CIS156](#) [CIS159](#) [CIS250](#) [CIS256](#) [CIS258](#) [CIS263](#) [CIS270](#) [CIS272](#) [Need help or support?](#)
 - Word Cloud:** A central word cloud containing terms such as "Information Systems", "Development", "Programming", "CIS", "Computer Programs", "Web", "PHP", "Design", "Multimedia", "Business Games", "Java", "Analysis", "C++", "Basic", "Perl", "Internet", "MySQL/Visual", "Flowcharts", "Webmaster", "Network", "Forensics", "Security", "Games", "Code", "Logic", "CIT", "Computing", "CIS", "Development", "Systems", "Programs", "Web", "PHP", "Design", "Multimedia", "Business Games", "Java", "Analysis", "C++", "Basic", "Perl", "Internet", "MySQL/Visual", "Flowcharts", "Webmaster".
 - Footer links: [Previous Semesters](#) [Advisement for CIS/CIT](#) [NSF Support](#) [Postings/Notes](#) [My Schedule](#)
 - Note:** Note that last semesters courses are available under Previous Semesters



The screenshot displays a web browser window with two panes. The top pane shows the rendered HTML page with the following content:

- This is a H1 heading** (in red)
- This is outside a paragraph! Actually it is in a division! (in green)
- This is inside a paragraph! (in blue)
- This is a H2 header inside a paragraph...** (in red)
- This is a H3 header inside a paragraph... Note h3 is done with embedded style on this page! (in purple)
- This is just a line - in a division - the paragraph has been closed. (in green)
- This is a line following the opening of another paragraph. (in blue)
- Some code for HTML entity format (in purple)
- In coding HTML, you should use " for the quotation mark " and & for the ampersand. See HTML code for the characters used. (in green)
- This is a paragraph with the color changed by in line style. (in orange)
- Now we are back to the regular paragraph definition from the external style sheet. (in blue)

The bottom pane shows the source code of the page:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>This uses a style sheet</title>
6 <link href="external1a1a5.css" rel="stylesheet" type="text/css" />
7 <style type="text/css">
8 h3 {color: purple;
9     font-family: "Times New Roman"}
10 </style>
11 </head>
12 <body>
13 <h1>This is a H1 heading</h1>
14 <div>This is outside a paragraph! Actually it is in a division!</div>
15 <p>This is inside a paragraph!</p>
16 <h2>This is a H2 header inside a paragraph...</h2>
17 <h3>This is a H3 header inside a paragraph... Note h3 is done with embedded style on this page!</h3>
18 <div>This is just a line - in a division - the paragraph has been closed.</div>
19 <p>This is a line following the opening of another paragraph.</p>
20 <h3>Some code for HTML entity format</h3>
21 <div>In coding HTML, you should use &quot; for the quotation mark &quot; and &amp; for the ampersand
22 as well as &lt; for the less than sign and &gt; for the greater than sign because these
23 have special meanings in HTML. Remember also that &nbsp; which stands for non-breaking space
24 can be used to put extra spaces on your page. See HTML code for the characters used.</div>
25 <p style="color:orange">This is a paragraph with the color changed by in line style.</p>
26 <p>Now we are back to the regular paragraph definition from the external style sheet.</p>
27 </body>
28 </html>
```

Handwritten blue annotations on the right side of the code pane:

- ① External style sheet
- ② head
- ③ body

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** pgrocer.net/Cis44/HTML/CSS/CS... X, http://www.pgrocer.net/Cis44/HTI... X, CSS Web Safe Fonts X
- Address Bar:** https://www.w3schools.com/cssref/css_websafe_fonts.asp
- Navigation Menu:** HTML, CSS, JAVASCRIPT, SQL, PYTHON, PHP, BOOTSTRAP, HOW TO, W3.CSS, JQUERY, JAVA, MORE
- Left Sidebar (CSS Reference):**
 - CSS Reference
 - CSS Reference Aural
 - CSS Web Safe Fonts (highlighted)
 - CSS Animatable
 - CSS Units
 - CSS PX-EM Converter
 - CSS Colors
 - CSS Color Values
 - CSS Default Values
 - CSS Entities
- Left Sidebar (CSS Properties):**
 - align-content
 - align-items
 - align-self
 - all
 - animation
 - animation-delay
 - animation-direction
 - animation-duration
 - animation-fill-mode
 - animation-iteration-count
 - animation-name
 - animation-play-state
 - animation-timing-function
 - backface-visibility
 - background
 - background-attachment
 - background-blend-mode
- Main Content Area:**
 - ## Serif Fonts
 - | font-family | Example text |
|--|--|
| Georgia, serif | This is a heading
This is a paragraph |
| "Palatino Linotype", "Book Antiqua", Palatino, serif | This is a heading
This is a paragraph |
| "Times New Roman", Times, serif | This is a heading
This is a paragraph |
 - envatoelements

TOP FONTS FOR EVERY PROJECT

SERIF SANS SERIF SCRIPT DECORATIVE FONTINE & MORE!

START NOW
 - ## Sans-Serif Fonts
- Right Sidebar:**
 - ### HOW TO

 - Tabs
 - Dropdowns
 - Accordions
 - Side Navigation
 - Top Navigation
 - Modal Boxes
 - Progress Bars
 - Parallax
 - Login Form
 - HTML Includes
 - Google Maps
 - Range Sliders
 - Tooltips
 - Slideshow
 - Filter List
 - Sort List
 - ### SHARE

Facebook, Twitter, Like
 - ### CERTIFICATES

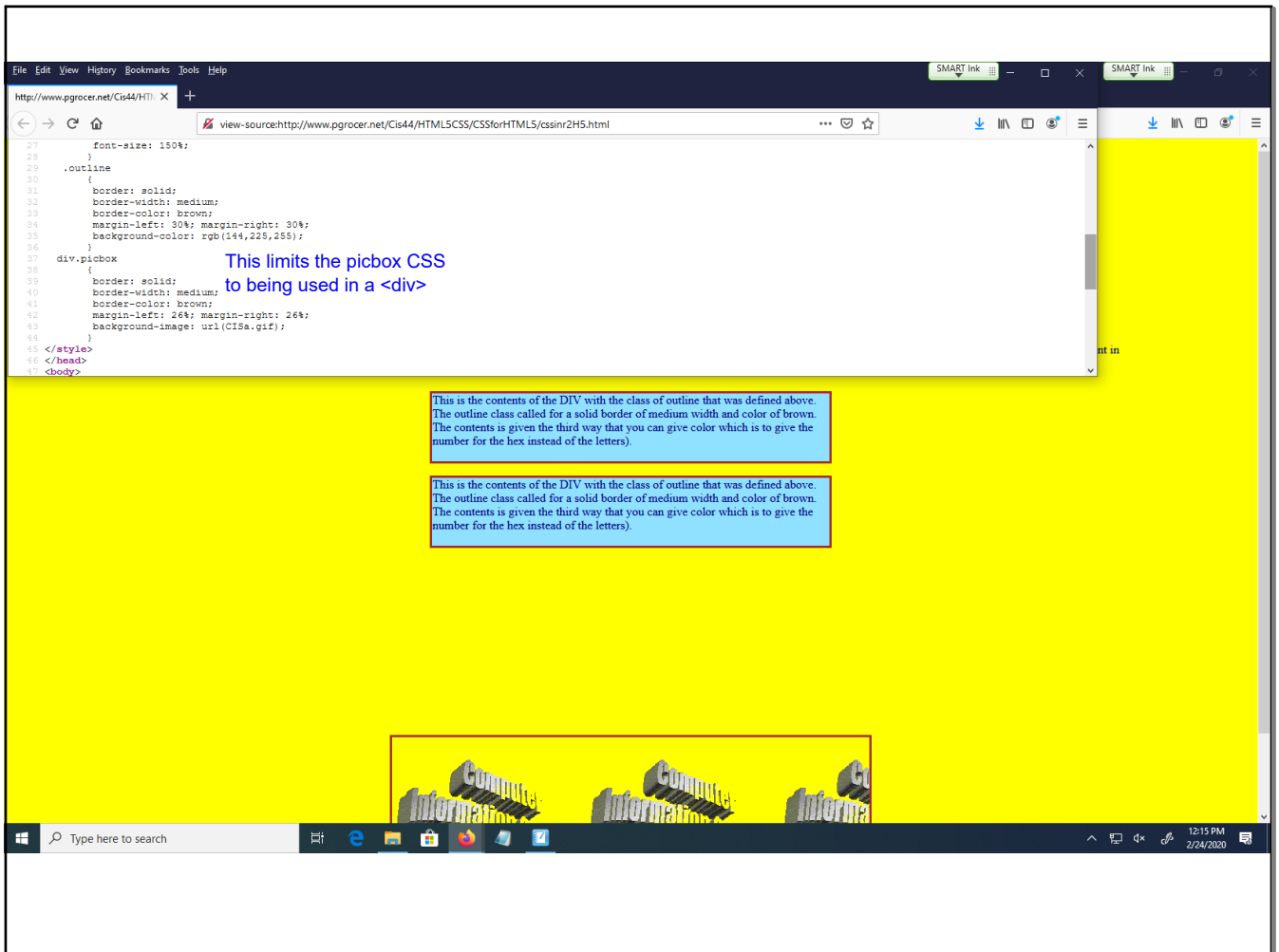
 - HTML
 - CSS
 - JavaScript
 - SQL
 - Python
 - PHP
 - jQuery
 - Bootstrap
 - XML
- Windows Taskbar:** Search bar, Start button, Taskbar icons (Edge, File Explorer, etc.), System tray (12:09 PM, 2/24/2020)

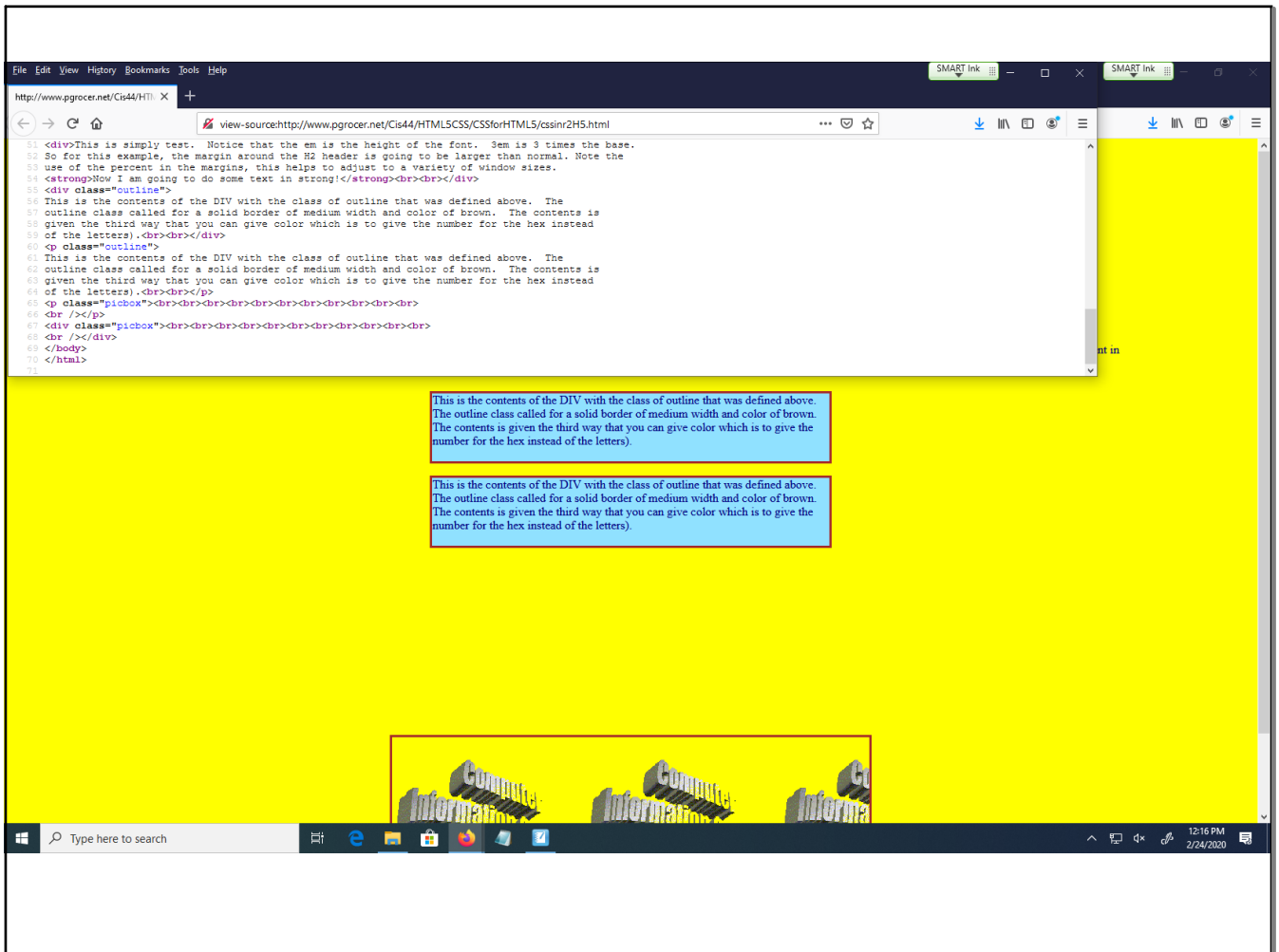
The screenshot shows a web browser window with the source code of a page. The code includes CSS rules for a class named `.outline` and a `.picbox` class. The `.outline` class is defined with a solid brown border, a medium width, and a background color of `rgb(144,225,255)`. The `.picbox` class is defined with a solid brown border, a medium width, a background image of `url(CISa.gif)`, and a different margin. The HTML body contains a header and a `div` with the class `outline` containing text and a 3D graphic.

```
28 }
29 .outline
30 {
31   border: solid;
32   border-width: medium;
33   border-color: brown;
34   margin-left: 30%; margin-right: 30%;
35   background-color: rgb(144,225,255);
36 }
37 .picbox
38 {
39   border: solid;
40   border-width: medium;
41   border-color: brown;
42   margin-left: 26%; margin-right: 26%;
43   background-image: url(CISa.gif);
44 }
45 </style>
46 </head>
47 <body>
48 <h1>This is a header 1 title.</h1>
```

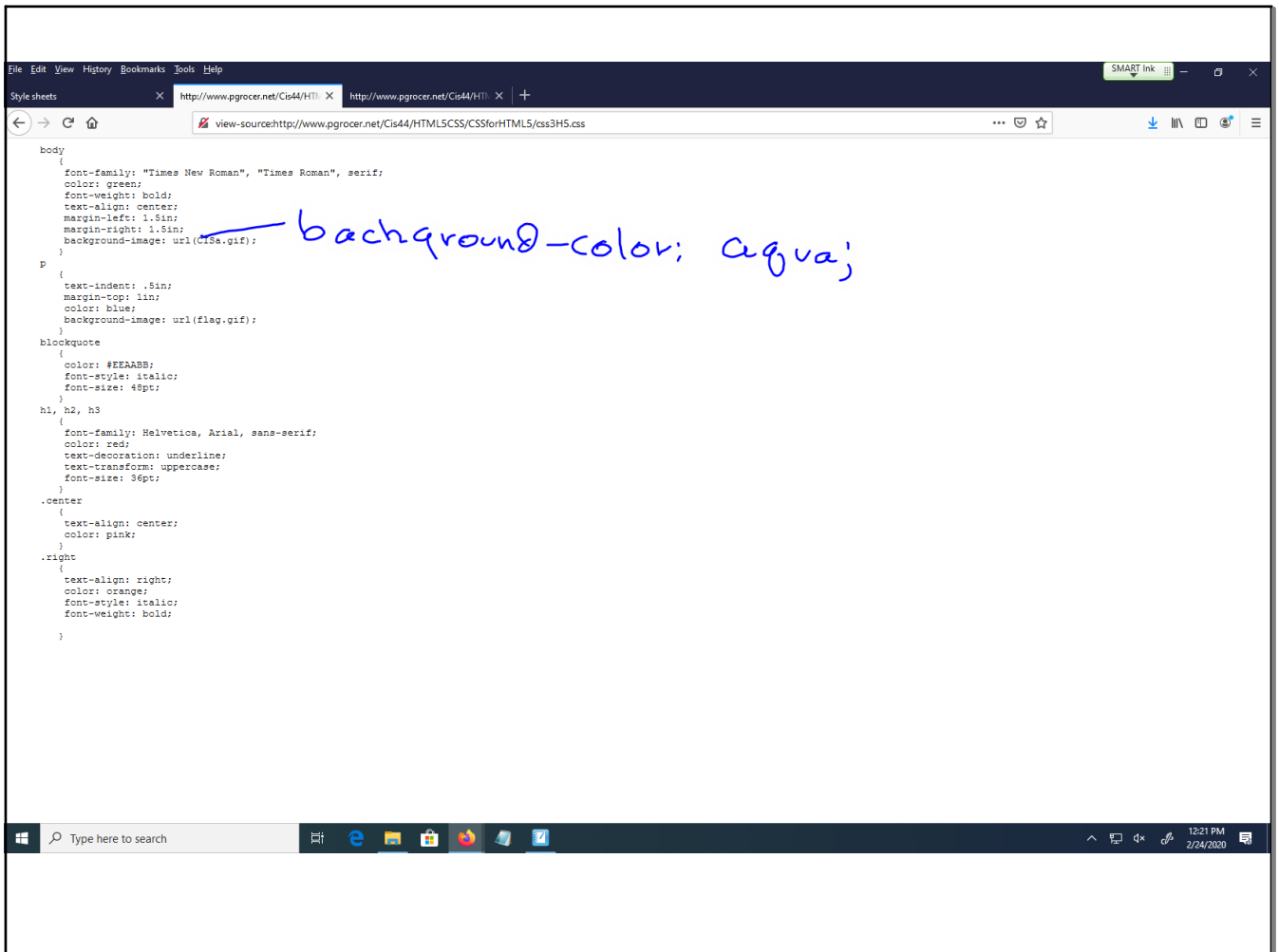
This is the contents of the DIV with the class of outline that was defined above. The outline class called for a solid border of medium width and color of brown. The contents is given the third way that you can give color which is to give the number for the hex instead of the letters).

The 3D graphic consists of the words "Committee Information System Department" stacked vertically in a bold, sans-serif font. The text is rendered in a 3D perspective, appearing to float above a yellow background. The letters are white with a dark shadow, giving them a three-dimensional appearance.

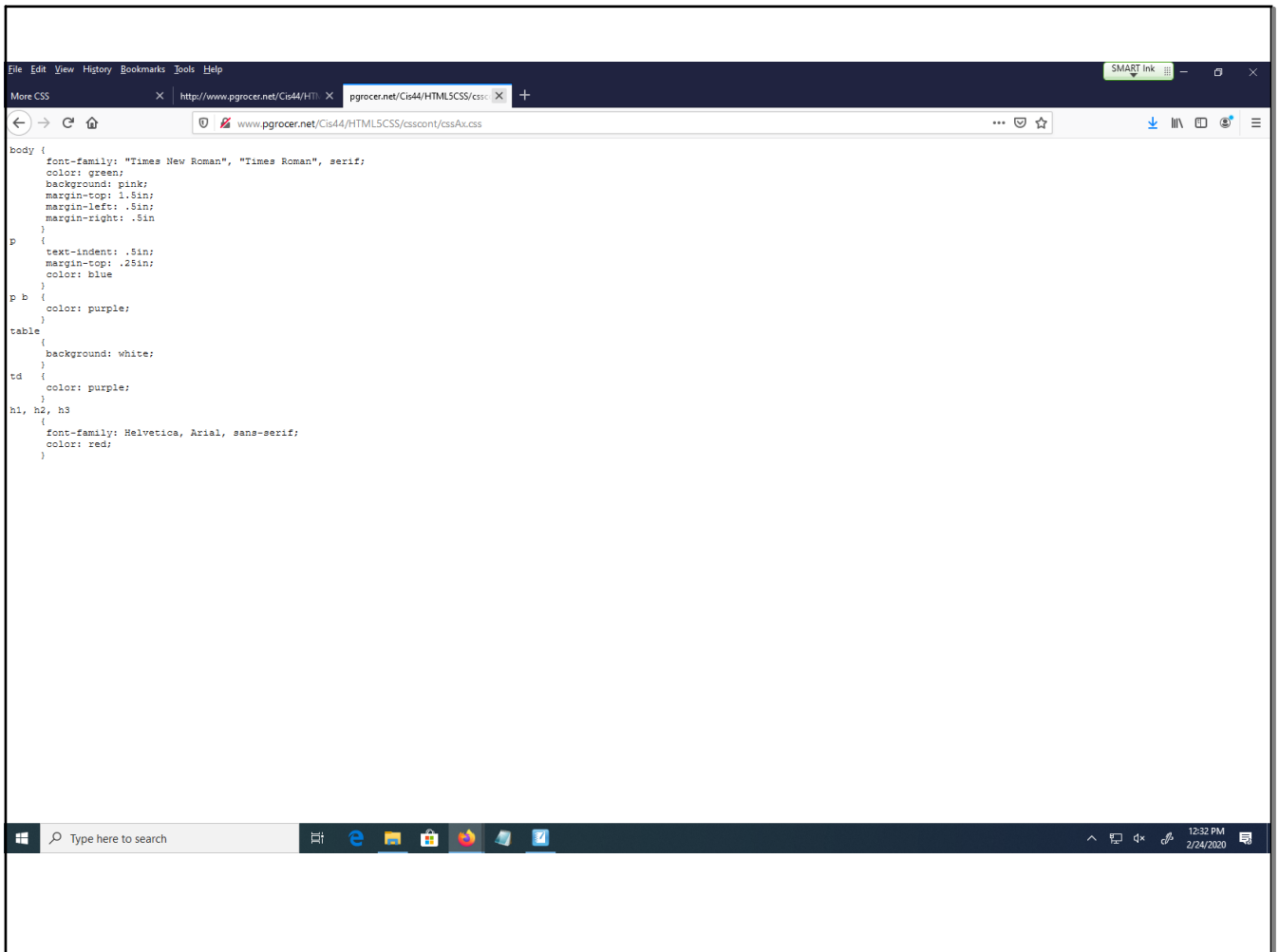




```
File Edit View History Bookmarks Tools Help SMART Ink
Style sheets x http://www.pgrocer.net/Cis44/HTL... x http://www.pgrocer.net/Cis44/HTL... x +
view-source:http://www.pgrocer.net/Cis44/HTML5CSS/CSSforHTML5/css3H5.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Style sheets</title>
6 <link href="css3H5.css" rel="stylesheet" type="text/css" />
7 </head>
8 <body>
9 <h1>This is a header.</h1>
10 <div>This is outside the paragraph.</div>
11 <p>This is a paragraph.<br><div><br></div><br><br>
12 And this is more of the paragraph.<br><br></p>
13 And still more...</p>
14 <h2>This is a header.</h2>
15 <blockquote class="right"><p>This is a block!</p></blockquote>
16 <table>
17 <tr>
18 <td class="right">This is in the table</td>
19 <td class="center">HELLO WORLD</td>
20 </tr>
21 <tr>
22 <td class="center">HI</td>
23 <td class="right">BYE</td>
24 </tr>
25 </table>
26 <div>This is a line below the table. It is a division.</div>
27 </body>
28 </html>
```



```
File Edit View History Bookmarks Tools Help SMART Ink
More CSS x http://www.pgrocer.net/Cis44/HTI... x http://www.pgrocer.net/Cis44/HTI... x +
view-source:http://www.pgrocer.net/Cis44/HTML5CSS/csscont/importH5.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>More CSS</title>
6 <style type="text/css">
7 @import "cssA.css";
8 @import "cssBx.css";
9 h1 {color: yellow; background: green;}
10 table {
11     border: solid thick;
12     padding: 10;
13     border-color: purple;
14 }
15 td, th
16 {
17     border: solid thin;
18 }
19 table
20 {
21     width: 100%;
22 }
23 </style>
24 </head>
25 <body>
26 <h1>Header 1</h1>
27 <h2>Header 2</h2>
28 <h3>Header 3</h3>
29 <h4>Header 4</h4>
30 <div>We are now testing the sheet to see what will come up.</div>
31 <p>This is a test of a paragraph. I want it to go on for a little while so I am typing a
32 line of comments. Note that text/css defines the language as Cascading Style Sheets and is
33 not required. The @import allows you to use multiple style sheets - they must proceed
34 all other style sheet entries.</p>
35 <table>
36 <tr>
37 <td class="coright">This is the first cell.</td>
38 <td class="boocenter">And this is another cell.</td>
39 </tr>
40 <tr>
41 <td colspan = "2">These are merged cells</td>
42 </tr>
43 </table>
44 <p>Note that if a <b>bold is in a paragraph it will be purple</b> because of the P B in cssA.
45 However if a bold is outside a paragraph, it will retain the default color. The P B in the
46 style simply says P that contain the B for bold will have these attributes. This is called
47 using Descendant Selectors.</p>
48 <div>This is a <b>test of that statement</b> - does it work?</div>
49 </body>
50 </html>
```

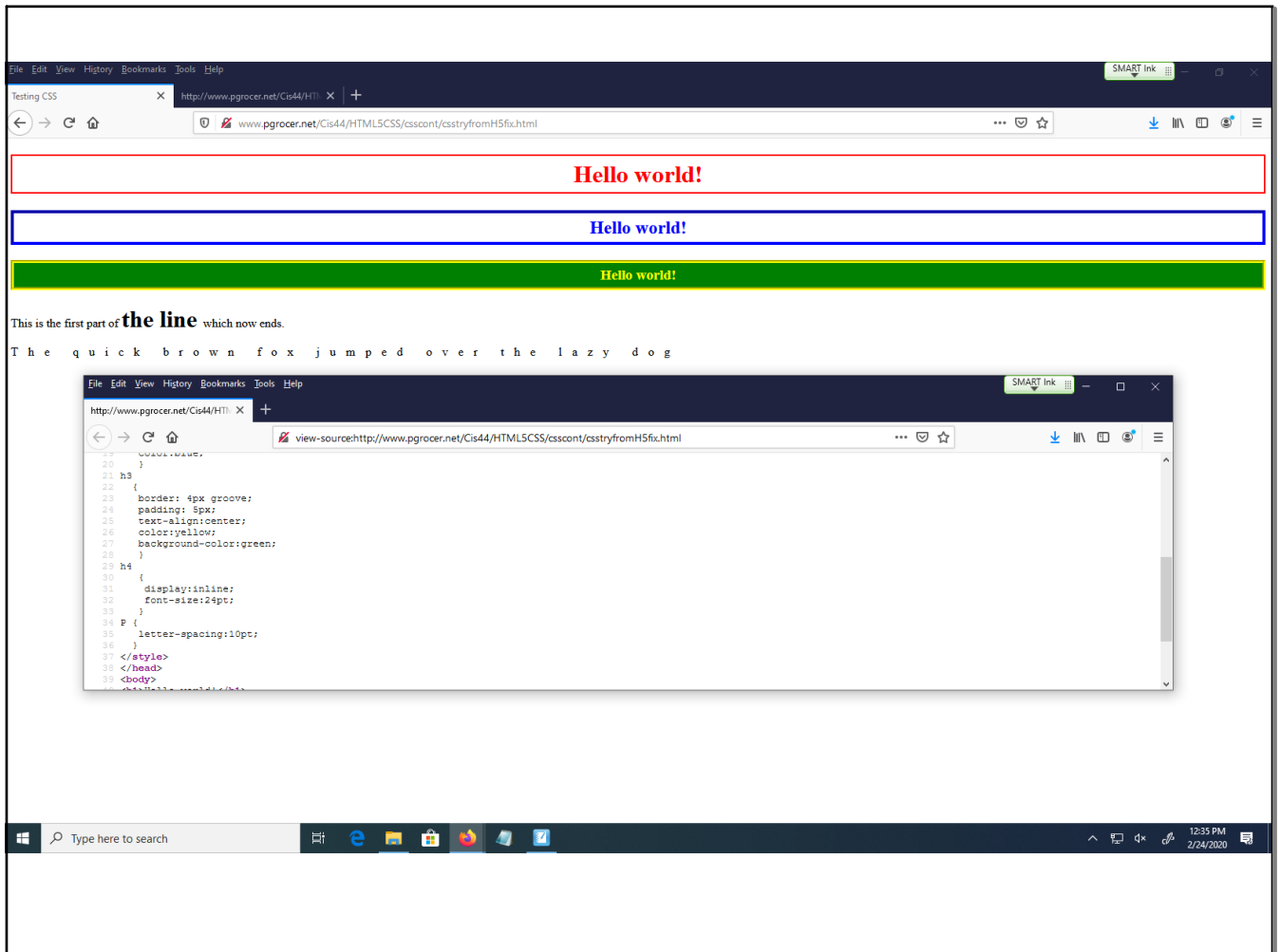
The screenshot shows a web browser window with the URL `http://www.pgrocer.net/Cis44/HTMLSCSS/csscont/csstryfromH5.html`. The browser displays three instances of the text "Hello world!":

- The first instance is in red text with a red border.
- The second instance is in blue text with a blue border.
- The third instance is in yellow text with a green background.

Below the browser window, the text "This is the first part of the line which now ends." is followed by the sentence "The quick brown fox jumped over the lazy dog" where each word is separated by a space.

An inset window shows the source code of the page:

```
16 border: 4px inset;
17 padding: 5px;
18 text-align:center;
19 color:blue;
20 }
21 h3
22 {
23 border: 4px groove;
24 padding: 5px;
25 text-align:center;
26 color:yellow;
27 background-color:green;
28 }
29 h4
30 {
31 display:inline;
32 font-size:24 pt;
33 }
34 p {
35 letter-spacing:10pt;
36 }
37 </style>
38 </head>
39 <body>
40 <h1>Hello world!</h1>
41 <h2>Hello world!</h2>
42 <h3>Hello world!</h3>
43 <div>This is the first part of <b4>the line </h4> which now ends.</div>
44 <p>The quick brown fox jumped over the lazy dog</p>
45 </body>
46 </html>
47
```



The screenshot shows a web browser window with the address bar displaying `http://www.pgrocer.net/Cis44/HTMLSCSS/csscont/csstryfromH5fix.html`. The page content consists of three horizontal bars, each containing the text "Hello world!". The first bar has a red border, the second has a blue border, and the third has a green background. Below these bars, there is a paragraph of text: "This is the first part of **the line** which now ends." followed by "The quick brown fox jumped over the lazy dog".

An inset window shows the source code of the page:

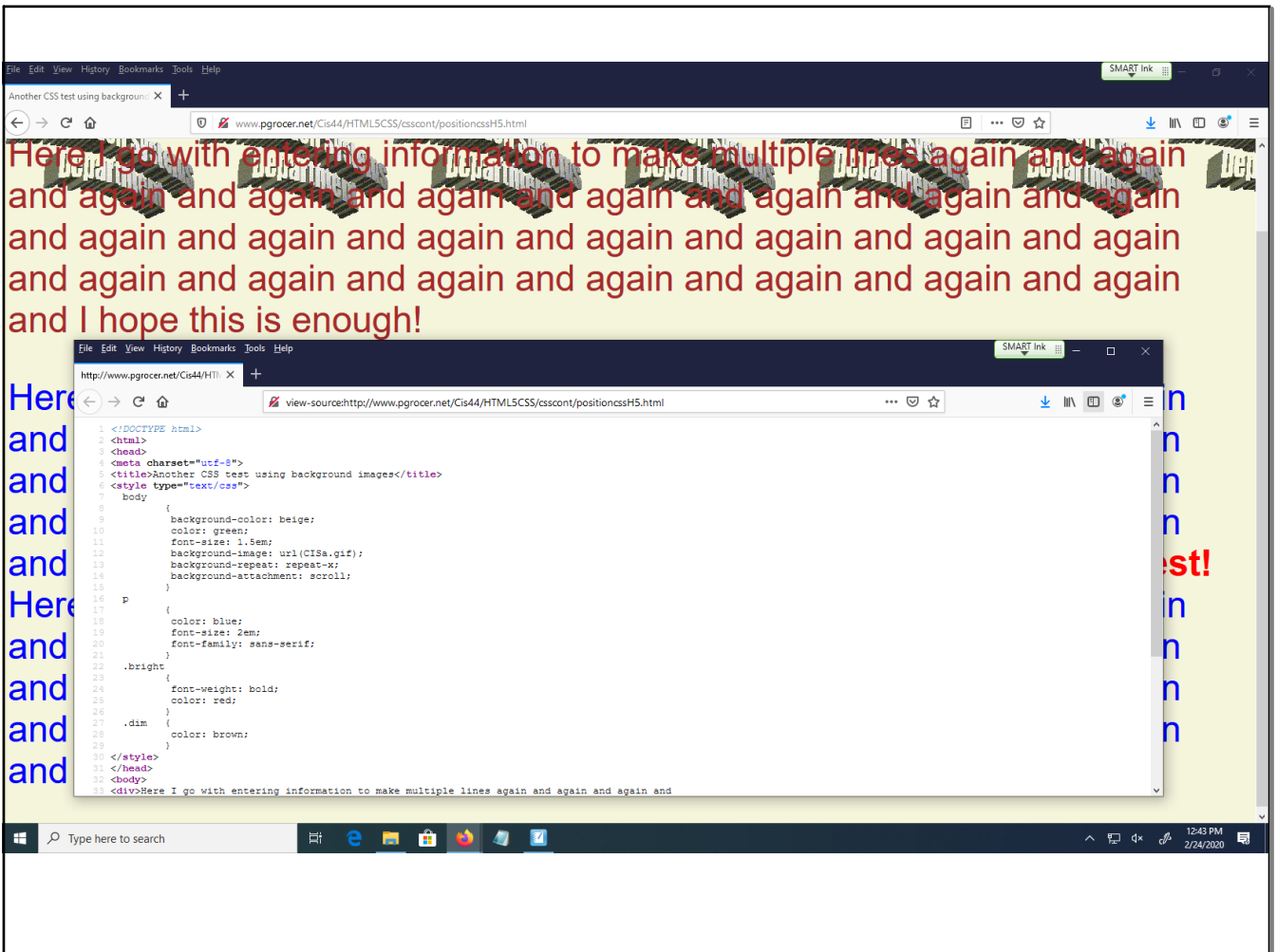
```
27 background-color:green;
28 }
29 h4
30 {
31   display:inline;
32   font-size:24pt;
33 }
34 p
35 {
36   letter-spacing:10pt;
37 }
38 </style>
39 </head>
40 <body>
41 <h1>Hello world!</h1>
42 <h2>Hello world!</h2>
43 <h3>Hello world!</h3>
44 <div>This is the first part of <h4>the line </h4> which now ends.</div>
45 <p>The quick brown fox jumped over the lazy dog</p>
46 </body>
47 </html>
```

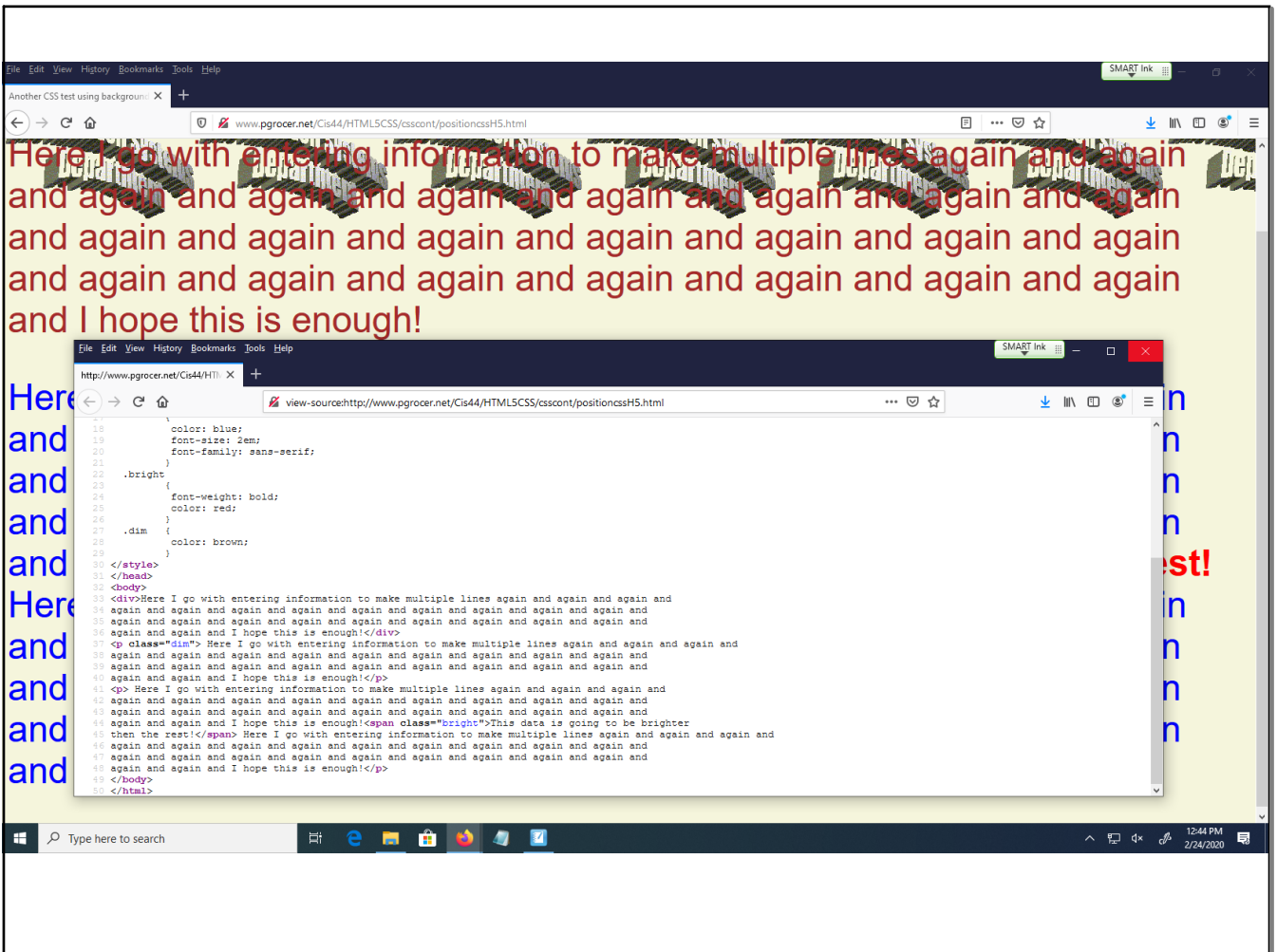
The screenshot shows a web browser window with two tabs. The active tab is titled "Positioning using CSS" and shows a webpage with a photograph of a snowy landscape. The browser's address bar displays the URL "http://www.pgrocer.net/Cis44/HTMLSCSS/csscont/overab1H5.html".

Overlaid on the right side of the browser window is a "view-source" window showing the HTML and CSS code for the page. The code includes a DOCTYPE declaration, HTML and head tags, a meta charset, a title, and a style block. The style block defines three classes: .cis, .snow, and .flag, each with absolute positioning and z-index values. The body contains three image tags corresponding to these classes.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Positioning using CSS</title>
6 <style type="text/css">
7 body
8 {
9   background: beige;
10 }
11 .cis
12 {
13   z-index: 2;
14   position: absolute;
15   top: 16px;
16   left: 16px;
17 }
18 .snow
19 {
20   z-index: 0;
21   position: absolute;
22   top: 16px;
23   left: 16px;
24 }
25 .flag
26 {
27   z-index: 1;
28   position: absolute;
29   top: 16px;
30   left: 16px;
31 }
32 </style>
33 </head>
34 <body>
35 <div class="snow">
36 
37 </div>
38 <div class="flag">
39 
40 </div>
41 <div class="cis">
42 
43 </div>
44 </body>
45 </html>
46
```

```
File Edit View History Bookmarks Tools Help
Positioning using CSS x http://www.pgrocer.net/Cis44/HTM... x http://www.pgrocer.net/Cis44/HTM... x +
view-source:http://www.pgrocer.net/Cis44/HTML5CSS/csscont/overabsH5.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Positioning using CSS</title>
6 <style type="text/css">
7 body
8 {
9     background: beige;
10 }
11 #cis
12 {
13     z-index: 3;
14     position: absolute;
15     top: 16px;
16     left: 16px;
17 }
18 #snow
19 {
20     z-index: 1;
21     position: absolute;
22     top: 16px;
23     left: 16px;
24 }
25 #flag
26 {
27     z-index: 2;
28     position: absolute;
29     top: 16px;
30     left: 16px;
31 }
32 </style>
33 </head>
34 <body>
35 <div id="snow">
36 
37 </div>
38 <div id="flag">
39 
40 </div>
41 <div id="cis">
42 
43 </div>
44 </body>
45 </html>
46
```





The screenshot shows a web browser window with a 'view-source' tab open. The browser address bar shows the URL: `http://www.pgrocer.net/Cis44/HTML5CSS/csscont/positioncssyH5.html`. The source code is as follows:

```
1 </DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Another CSS test using background images</title>
6 <style type="text/css">
7   body
8   {
9     background-color: beige;
10    color: green;
11    font-size: 1.5em;
12    background-image: url(CISa.gif);
13    background-repeat: repeat-y;
14    background-attachment: scroll;
15  }
16  p
17  {
18    color: blue;
19    font-size: 2em;
20    font-family: sans-serif;

```

Overlaid on the browser window is a 3D graphic of the word 'Repeat' in a serif font, with the letters appearing to be made of stacked blocks. Several lines of text are overlaid on the browser content:

- Green text: "Here I go with entering information to m and again and again and again and again"
- Red text: "Here I go with ente and again and aga and again and aga and again and aga and I hope this is e"
- Blue text: "Here I go with entering information to make multiple lines again and again and again and again and again and again and again and again and again and again and again and again and again and again and again and I hope this is enough! This data is going to be brighter then the rest!"
- Blue text: "Here I go with entering information to make multiple lines again and again and again and again and again and again and again and again and again and again and again and again and again and again and again"

The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the time 12:45 PM and date 2/24/2020.

Background-position: has possibilities of top, bottom, left, right, center, top left, top right, bottom left, bottom right, and repeat-x, repeat-y, and repeat-x repeat-y which should repeat the background image horizontally, vertically, and both horizontally and vertically as they scroll.

Try it in different browsers and different screen sizes to see how SPAN is used to apply a class to a particular element.

Here I go with entering information to make multiple lines again and again and again and again and again and again and again and again and again and again and again and again and again and again and I hope this is enough!

Here I go with entering information to make multiple lines again and again and again and again and again and again and again and again and again and again and again and again and again and again and I hope this is enough! **This data is going to be brighter than the rest!** Here I go with entering information to make multiple lines again and again and again and again and again and again and again and again and again and again and again and again and again and again and

The screenshot shows a web browser window with two tabs. The active tab is titled 'view-source:http://www.pgrocer.net/Cis44/HTML5CSS/csscont/positioncss1H5.html'. The address bar shows the URL 'http://www.pgrocer.net/Cis44/HTML5CSS/csscont/positioncss1H5.html'. The page content is a list of CSS properties:


```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Another CSS Test</title>
6 <style type="text/css">
7
8
9
10     background-image: url(CISA.gif);
11     background-position: top left;
12     background-repeat: no-repeat;
13     background-attachment: fixed;
14     background-color: beige;
15     color: green;
16     font-size: 1.5em;
17     font-family: serif;
18
19
20
  
```

 The browser window also shows a search bar at the bottom with the text 'Type here to search' and a system tray with the date '2/24/2020' and time '12:47 PM'.

where you wish people
 Also, please take note
 not to do.
 Background-position: has possibilities of top, b
 horizontally only and repeat-y which should r
 with the user as they scroll.
 Try it - try in different browsers and different
 SPAN is a way to apply a class to a particular
 Background-position: has possibilities of top, b
 horizontally only and repeat-y which should repeat the image vertically only. Background-attachment: fixed is supposed to leave in place while scroll is supposed to go
 with the user as they scroll.
 Try it - try in different browsers and different versions!
 SPAN is a way to apply a class to a particular set of things - it works! Note also that em stands for the size of the font.

Here I go with entering information to make multiple lines again and again
 and again and again and again and again and again and again and again
 and again and again and again and again and again and again and again
 and again and again and again and again and again and again and again
 and I hope this is enough!

The screenshot shows a web browser window with two tabs. The top tab is titled 'Another CSS Test' and shows a page with a repeating text pattern. The bottom tab is titled 'view-source:http://www.pgrocer.net/Cis44/HTML5CSS/csscont/positioncss2H5.html' and displays the following CSS code:

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Another CSS Test</title>
6 <style type="text/css">
7   body
8   {
9     background-image: url(CISa.gif);
10    background-position: top left;
11    background-repeat: no-repeat;
12    background-attachment: scroll;
13    background-color: beige;
14    color: green;
15    font-size: 1.5em;
16    font-family: serif;
17  }
18
19
20

```

The screenshot shows a web browser window with the source code of a page. The code includes a DOCTYPE declaration, HTML and head tags, a meta charset, a title, and a style block. The style block defines background-image, background-repeat, background-attachment, background-color, color, font-size, and font-family. The page content includes green text and a 3D keyboard graphic.

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Another CSS Test</title>
6 <style type="text/css">
7   body
8   {
9
10    background-image: url(CISa.gif);
11    background-position: bottom right;
12    background-repeat: no-repeat;
13    background-attachment: fixed;
14    background-color: beige;
15    color: green;
16    font-size: 1.5em;
17    font-family: serif;
18  }
19
20  p
  {
  }
  
```

types
of what

could tile the image horizontally only and repeat-y which should repeat the image vertically only. Background-attachment: fixed is supposed to leave in place while scroll is supposed to go with the user as they scroll.

Try it - try in different browsers and different versions - the older versions of the browsers are the problem!

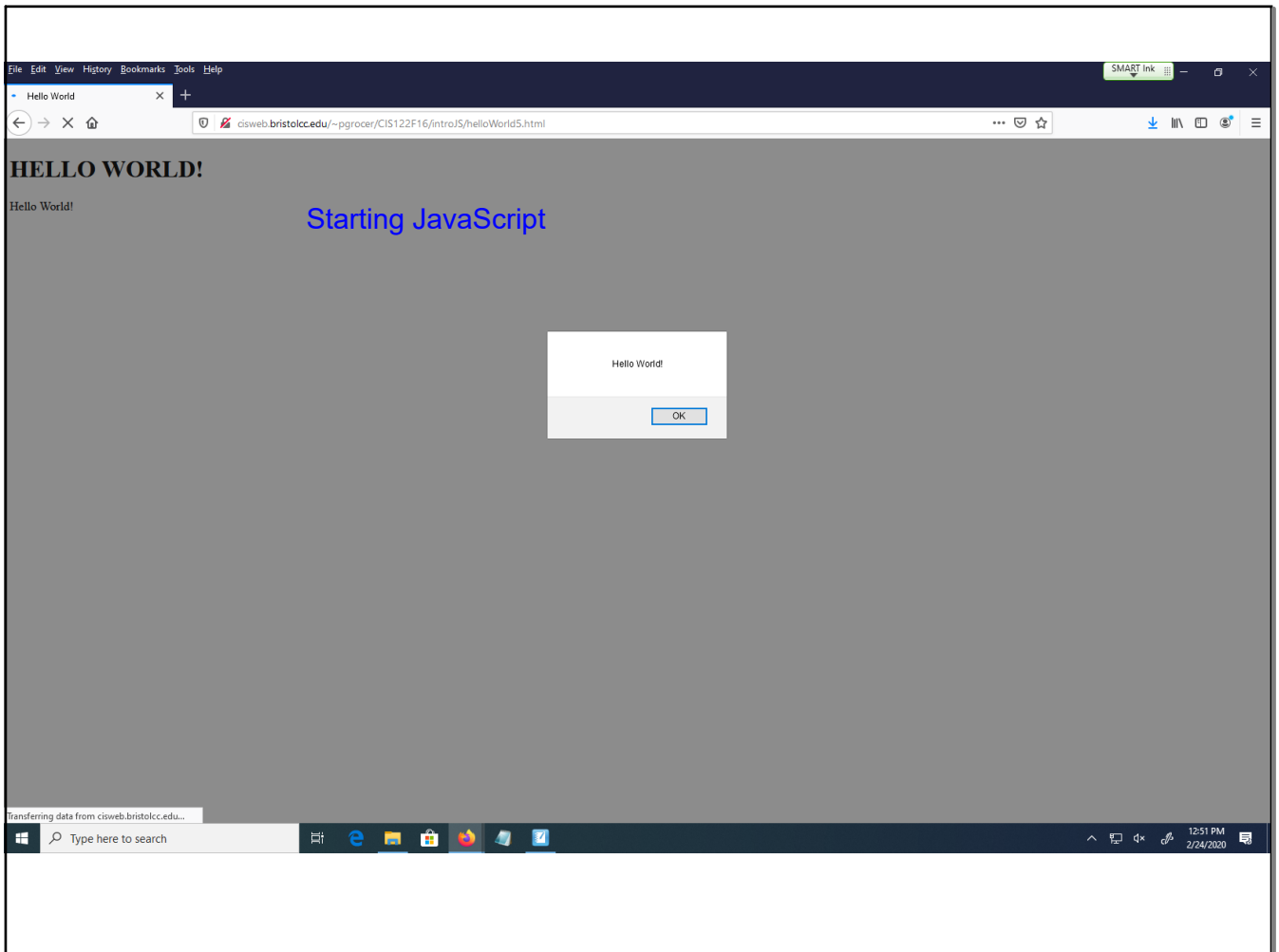
SPAN is a way to apply a class to a particular set of things - it works! Note also that em stands for the size of the font.

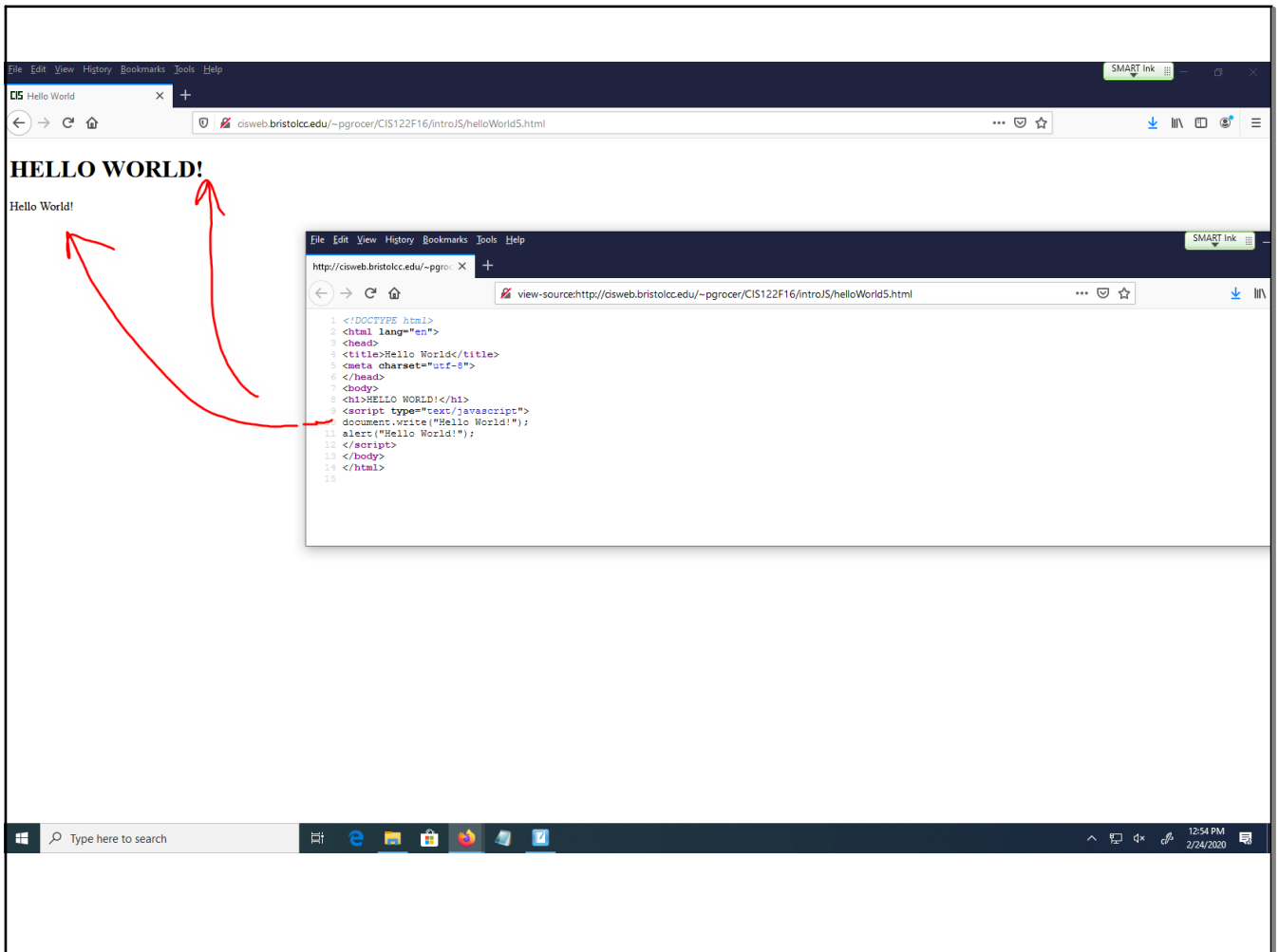
Background-position: has possibilities of top, bottom, center, left and right. Background-repeat: has no-repeat, the default of repeat, repeat-x which should tile the image horizontally only and repeat-y which should repeat the image vertically only. Background-attachment: fixed is supposed to leave in place while scroll is supposed to go with the user as they scroll.

Try it - try in different browsers and different versions!

SPAN is a way to apply a class to a particular set of things - it works! Note also that em stands for the size of the font.

Here I go with entering information to make multiple lines again and again and again and again and again and again and again and again and again and again and again and again and again and again and again and I hope this is enough!





Multiply two numbers taken in through prompts

Notice in this example I used the + to concatenate the two things I wanted to display and the comma as a separator as well. There are some issues with the comma in other situations.

30
The answer is 30
The answer is 30

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <title>Multiply</title>
5 <meta charset="utf-8">
6 </head>
7 <body>
8 <h1>Multiply two numbers taken in through prompts</h1>
9 Notice in this example I used the + to concatenate the two things I wanted to
10 display and the comma as a separator as well. There are some issues with the
11 comma in other situations.<br>
12 <script type="text/javascript">
13   var ans = 0;
14   var firstnum = 0;
15   var secondnum = 0;
16   firstnum = prompt("Enter the first number",0);
17   secondnum = prompt("Enter the second number",0);
18   ans = firstnum * secondnum;
19   document.write(ans);
20   document.write("<br>");
21   document.write("The answer is " + ans);
22   document.write("<br>");
23   document.write("The answer is ", ans);
24   document.write("<br>");
25 </script>
26 </body>
27 </html>

```

I define the variables and give them an initial value of 0.

Then I use the prompt to take in values to store in two of the variables.

I do a calculation and store the answer in the third variable.

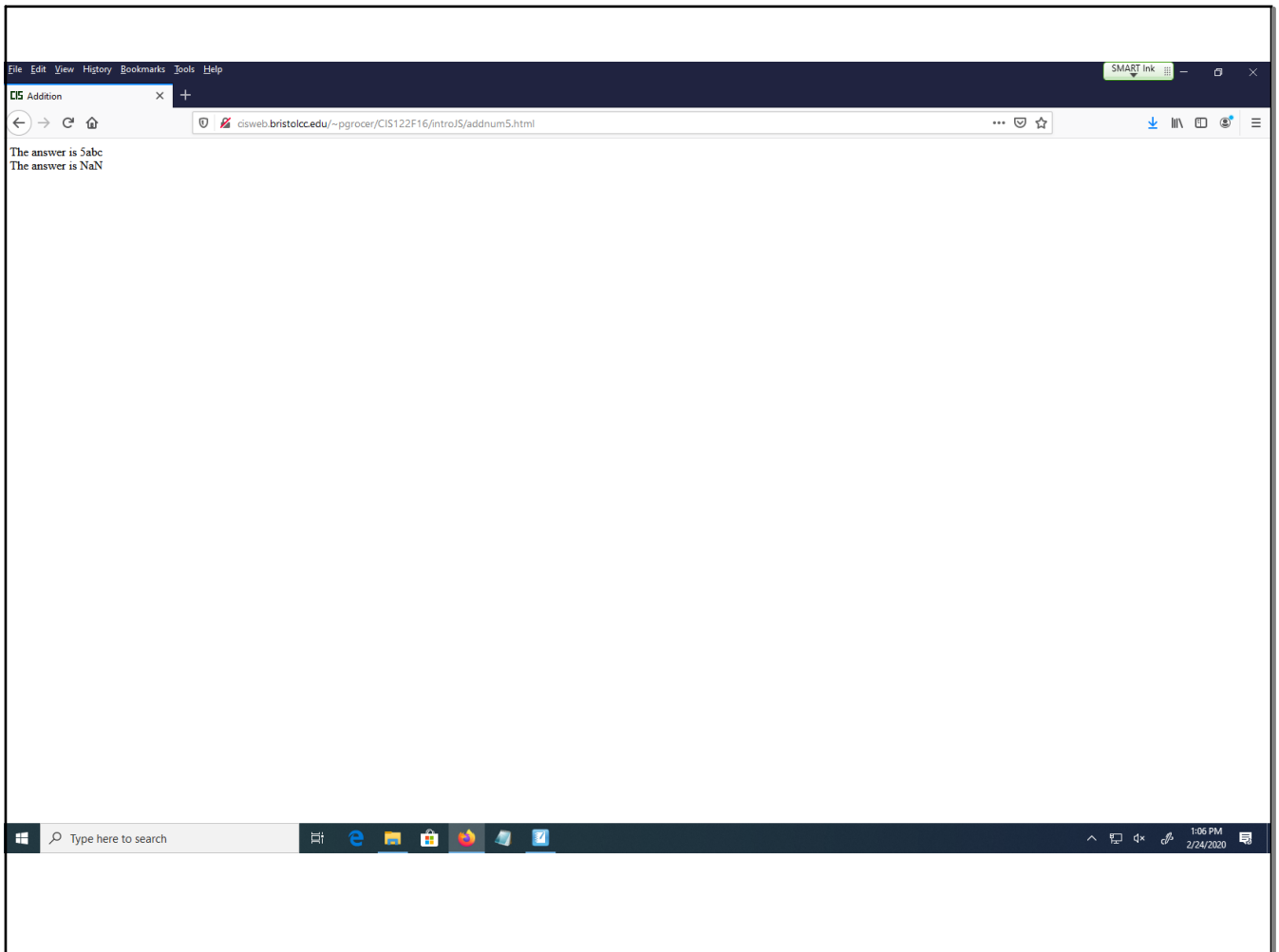
I write the information using a literal and a separator and the contents of a variable. Note I can also move down a line by writing

The answer is 56
The answer is 11

+
Concatenate
add

```
1 </DOCTYPE html>  
2 <html lang="en">  
3 <head>  
4 <title>Addition</title>  
5 <meta charset="utf-8">  
6 </head>  
7 <body>  
8 <script type="text/javascript">  
9 var ans = 0;  
10 var otherans = 0;  
11 var firstnum = 0;  
12 var secondnum = 0;  
13 var secondnum = 0;  
14 firstnum = prompt("Enter the first number",0);  
15 secondnum = prompt("Enter the second number",0);  
16 ans = firstnum + secondnum;  
17 document.write("The answer is ", ans);  
18 otherans = parseFloat(firstnum) + parseFloat(secondnum);  
19 document.write("<br>");  
20 document.write("The answer is ", otherans);  
21 </script>  
22 </body>  
23 </html>
```

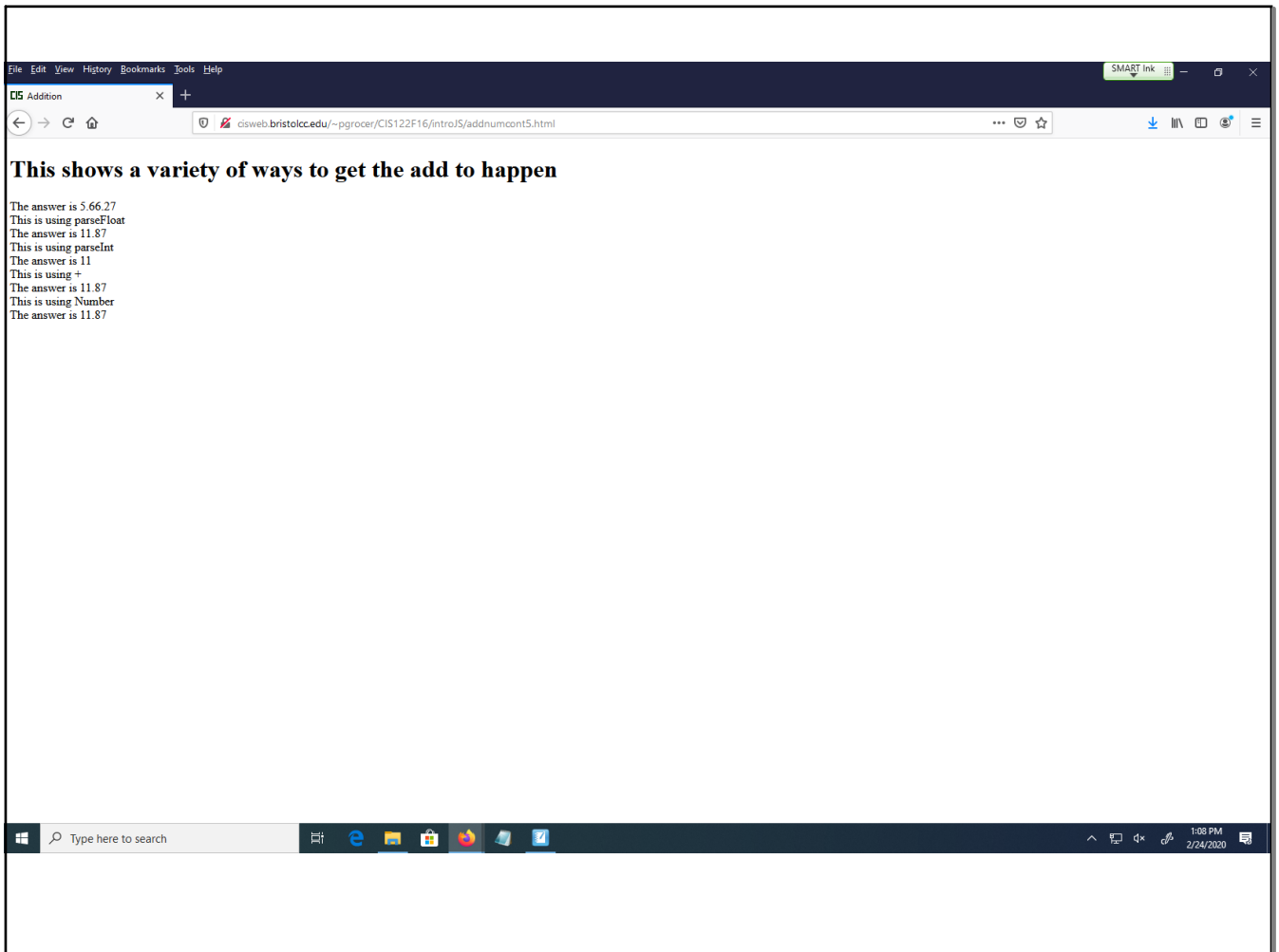
56



This shows a variety of ways to get the add to happen

The answer is 56
This is using parseFloat
The answer is 11
This is using parseInt
The answer is 11
This is using +
The answer is 11
This is using Number
The answer is 11

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <title>Addition</title>
5 <meta charset="utf-8">
6 </head>
7 <body>
8 <h1>This shows a variety of ways to get the add to happen</h1>
9 <script type="text/javascript">
10 var ans = 0;
11 var otherans = 0;
12 var intans = 0;
13 var firstnum = 0;
14 var secondnum = 0;
15 firstnum = prompt("Enter the first number",0);
16 secondnum = prompt("Enter the second number",0);
17 ans = firstnum + secondnum;
18 document.write("The answer is ", ans);
19 otherans = parseFloat(firstnum) + parseFloat(secondnum);
20 document.write("<br>This is using parseFloat<br>");
21 document.write("The answer is ", otherans);
22 intans = parseInt(firstnum) + parseInt(secondnum);
23 document.write("<br>This is using parseInt<br>");
24 document.write("The answer is ",intans);
25 plusans = +(firstnum) + +(secondnum);
26 document.write("<br>This is using + <br>");
27 document.write("The answer is ",plusans);
28 numberans = Number(firstnum) + Number(secondnum);
29 document.write("<br>This is using Number<br>");
30 document.write("The answer is ", numberans);
31 </script>
32 </body>
33 </html>
```



The screenshot shows a web browser window with the address bar containing `http://cisweb.bristolcc.edu/~pgrocer/CIS122F16/introJS/adddivide.html`. The page content includes the heading "This shows a calculation" and two lines of text: "The answer is 14.5" and "The answer is 8.5". An inset window shows the source code of the page, which is an HTML document with a JavaScript script. The script prompts the user for two numbers, calculates their average, and displays the result. Handwritten green annotations in the source code window show the numbers 12 and 5 with an arrow pointing to the calculation line.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <title>Addition</title>
5 <meta charset="utf-8">
6 </head>
7 <body>
8 <h1>This shows a calculation</h1>
9 <script type="text/javascript">
10 var ans = 0;
11 var otherans = 0;
12 firstnum = prompt("Enter the first number",0);
13 secondnum = prompt("Enter the second number",0);
14 ans = parseInt(firstnum) + parseInt(secondnum) / 2;
15 document.write("The answer is ", ans);
16 otherans = (parseInt(firstnum) + parseInt(secondnum))/2;
17 document.write("<br>The answer is ", otherans);
18 </script>
19 </body>
20 </html>
```

The screenshot shows a web browser window with a code editor and a flowchart. The code editor displays the following JavaScript code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <title>Decision</title>
5 <meta charset="utf-8">
6 </head>
7 <body>
8 <script type="text/javascript">
9 var ans = 0;
10 var firstnum = 0;
11 var secondnum = 0;
12 var whattodo;
13 firstnum = prompt("Enter the first number", 0);
14 secondnum = prompt("Enter the second number", 0);
15 whattodo = prompt("Enter * or /", "*");
16 if (whattodo == "*")
17 {
18     ans = firstnum * secondnum;
19 }
20 else
21 {
22     ans = firstnum / secondnum;
23 }
24 document.write("The answer is ", ans);
25 </script>
26 </body>
27 </html>
```

Handwritten notes on the left side of the browser window include:

- The answer is 3
- == compare
- = assignment sign

A flowchart on the right side of the browser window illustrates the logic of the code. It starts with a diamond-shaped decision box labeled "whattodo *". The "N" (No) path leads to a rectangular box labeled "div". The "Y" (Yes) path leads to a rectangular box labeled "Mult". Both paths converge at a circle at the bottom, which then leads to the output "The answer is 3".

The Windows taskbar at the bottom shows the search bar with "Type here to search", several application icons, and the system tray with the time "1:23 PM" and date "2/24/2020".

The screenshot shows a desktop environment with two windows. On the left is a web browser window titled "Decision" with the URL "cisweb.bris" and the text "The answer is 3". On the right is a Notepad window titled "Untitled - Notepad" containing JavaScript code. Handwritten notes in blue ink are on the left side of the Notepad window, and red annotations are on the code.

Handwritten Notes:

- Two blue equals signs followed by the word "compare" in blue.
- A blue equals sign followed by "Assignment Sign" in blue.
- A red "T" with a red arrow pointing to the multiplication assignment line.
- A red "F" with a red arrow pointing to the division assignment line.

JavaScript Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Decision</title>
<meta charset="utf-8">
</head>
<body>
<script type="text/javascript">
var ans = 0;
var firstnum = 0;
var secondnum = 0;
var whattodo;
firstnum = prompt("Enter the first number",0);
secondnum = prompt("Enter the second number",0);
whattodo = prompt("Enter * or /","");
if (whattodo == "*")
{
ans = firstnum * secondnum;
}
else
{
if (whattodo == "/")
{
ans = firstnum / secondnum;
}
else
{
ans = "Error";
}
}
document.write("The answer is ", ans);
</script>
</body>
</html>
```

" and 'if (whattodo == "*"'. Handwritten annotations in blue and green highlight specific parts of the code and flowchart."/>

The answer is 3

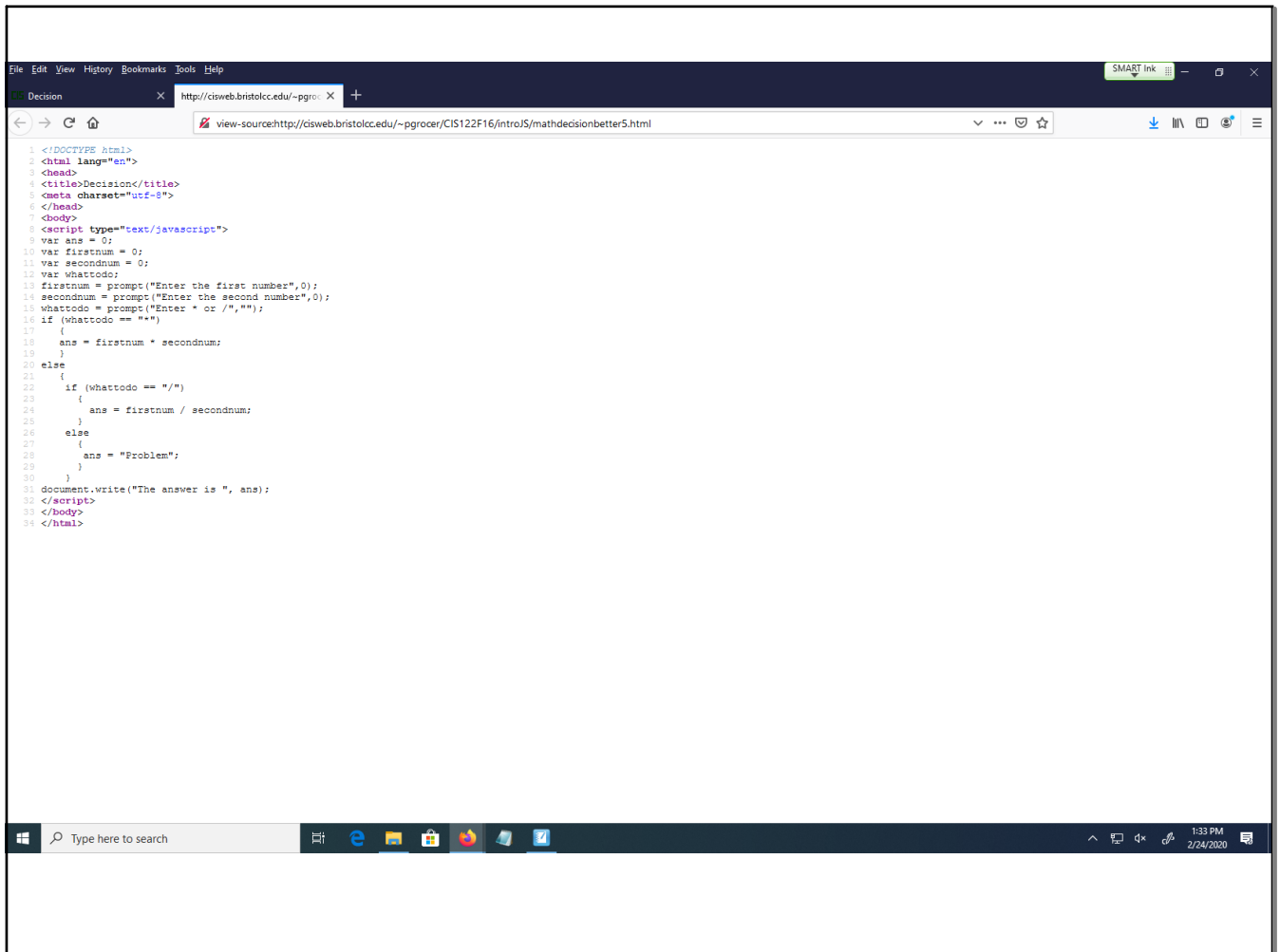
```
multidiv - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html lang="en">
<head>
<title>Decision</title>
<meta charset="utf-8">
</head>
<body>
<script type="text/javascript">
var ans = 0;
var firstnum = 0;
var secondnum = 0;
var whattodo;
firstnum = prompt("Enter the first number",0);
secondnum = prompt("Enter the second number",0);
whattodo = prompt("Enter * or /,");
if (whattodo == "*")
{
ans = firstnum * secondnum;
}
else
{
if (whattodo == "/")
{
ans = firstnum / secondnum;
}
else
{
ans = "Error";
}
}
document.write("The answer is ", ans);
</script>
</body>
</html>
```

Anything other than * will divide
I show the fix in green

The screenshot shows a web browser window with the address bar displaying `file:///F:/multidiv.html`. The browser content area shows the text "The answer is Error". Overlaid on the browser is a Notepad window titled "multidiv - Notepad" containing the following HTML and JavaScript code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Decision</title>
<meta charset="utf-8">
</head>
<body>
<script type="text/javascript">
var ans = 0;
var firstnum = 0;
var secondnum = 0;
var whattodo;
firstnum = prompt("Enter the first number",0);
secondnum = prompt("Enter the second number",0);
whattodo = prompt("Enter * or /","");
if (whattodo == "*")
{
ans = firstnum * secondnum;
}
else
{
if (whattodo == "/")
{
ans = firstnum / secondnum;
}
else
{
ans = "Error";
}
}
document.write("The answer is ", ans);
</script>
</body>
</html>
```

Handwritten annotations in red and blue are present in the Notepad window. A red arrow points to the first curly brace of the first `if` block. A blue 'T' is written next to the curly brace of the second `if` block. A blue 'F' is written next to the curly brace of the `else` block. A red bracket on the left side groups the two `if` blocks.



The screenshot shows a web browser window with the address bar displaying the URL: `view-source:http://cisweb.bristolcc.edu/~pgracer/CIS122F16/introJS/mathdecisionbetter5.html`. The browser's developer tools are open, showing the source code of the page. The code is an HTML document with a JavaScript script that implements a simple calculator. The script prompts the user for two numbers and an operator, then calculates the result based on the operator provided. The code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <title>Decision</title>
5 <meta charset="utf-8">
6 </head>
7 <body>
8 <script type="text/javascript">
9 var ans = 0;
10 var firstnum = 0;
11 var secondnum = 0;
12 var whattodo;
13 firstnum = prompt("Enter the first number",0);
14 secondnum = prompt("Enter the second number",0);
15 whattodo = prompt("Enter + or / or *");
16 if (whattodo == "+")
17 {
18     ans = firstnum * secondnum;
19 }
20 else
21 {
22     if (whattodo == "/")
23     {
24         ans = firstnum / secondnum;
25     }
26     else
27     {
28         ans = "Problem";
29     }
30 }
31 document.write("The answer is ", ans);
32 </script>
33 </body>
34 </html>
```

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <title>Decision</title>
5 <meta charset="utf-8">
6 </head>
7 <body>
8 <script type="text/javascript">
9 var payans = 0;
10 var hourswk = 0;
11 var payhr = 0;
12 var paycode = "";
13 hourswk = prompt("Enter the hours worked",0);
14 payhr = prompt("Enter the pay per hour",0);
15 paycode = prompt("Enter A, B, or C","");
16 if (paycode == "A")
17 {
18     payans = hourswk * payhr + 100;
19 }
20 else
21 {
22     if (paycode == "B")
23     {
24         payans = hourswk * payhr + 50;
25     }
26     else
27     {
28         if (paycode == "C")
29         {
30             payans = hourswk * payhr + 25;
31         }
32         else
33         {
34             payans = hourswk * payhr;
35         }
36     }
37 }
38 document.write("The pay for this week is ", payans);
39 </script>
40 </body>
41 </html>
```

The flowchart, drawn in blue ink, illustrates the program's logic. It starts with a diamond labeled 'Prompts' (A) for the paycode. If 'A', it goes to a process box 'calc +100'. If 'N', it goes to another diamond (B). If 'B', it goes to 'calc +50'. If 'N', it goes to a third diamond (C). If 'C', it goes to 'calc'. If 'N', it goes to 'calc +25'. All paths eventually merge and lead to a 'Write' box and an 'End' circle.