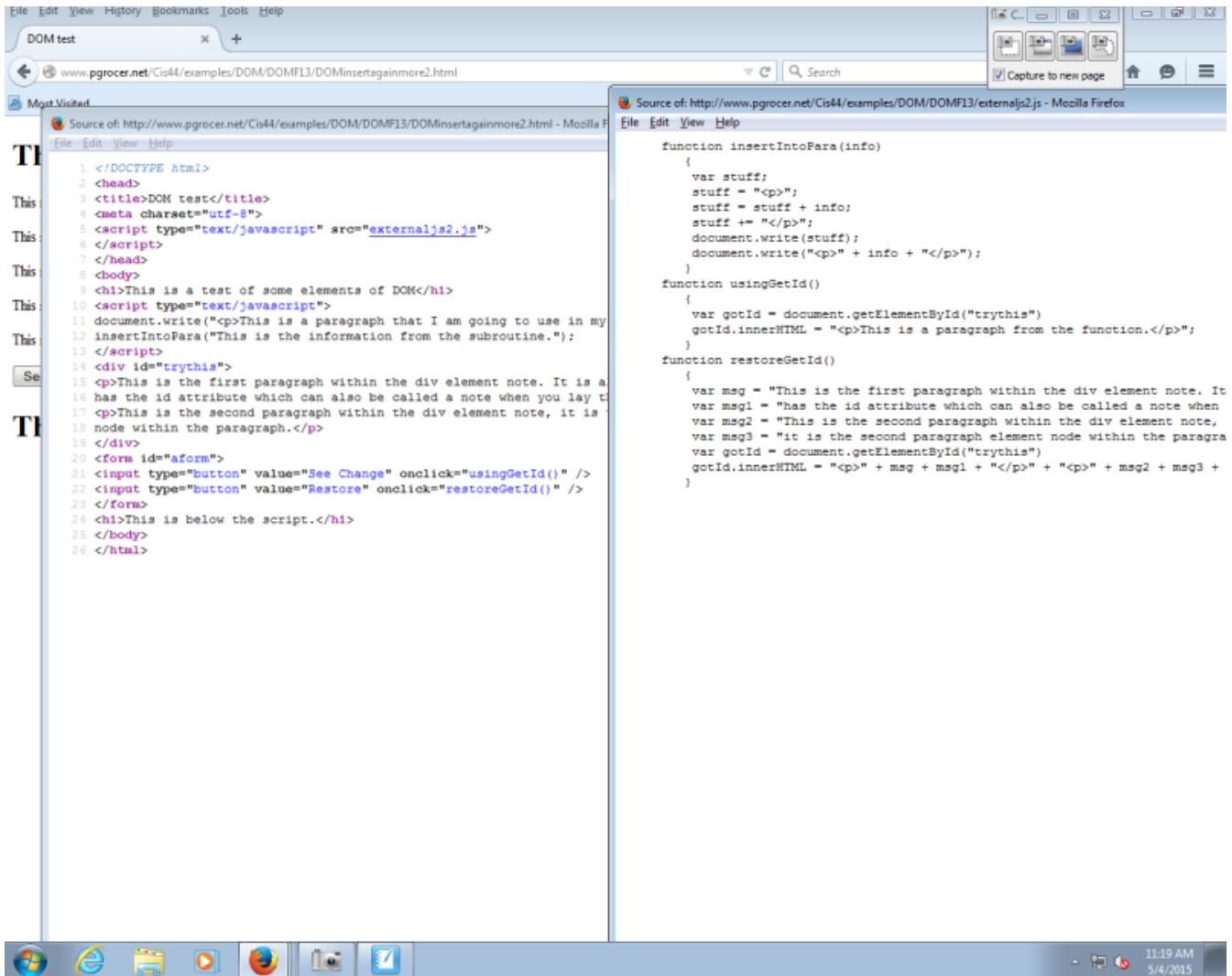
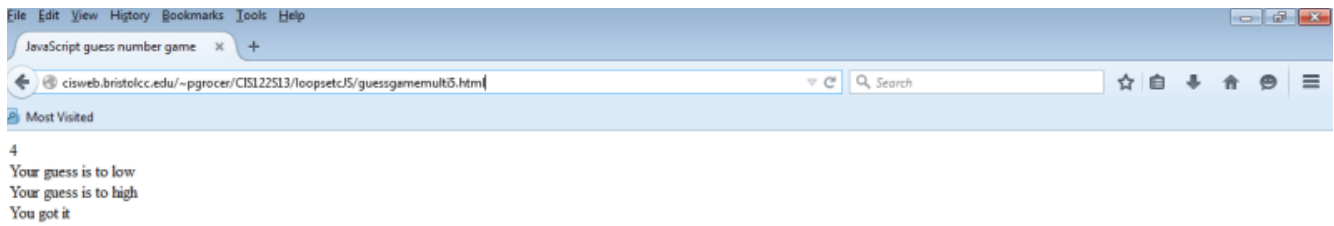


```
15 // and by varying the subscripts I can point to different elements. This makes it easy
16 // to loop through the elements in the array by changing the index that points to the
17 // different elements. fstArray[0] gets me the first image, fstArray[2] gets me the
18 // second image etc. Be sure to read about arrays in a text or tutorial!
19
20 fstArray = new Array(4);
21 fstArray[0]=new Image;
22 fstArray[0].src="image1.gif";
23 fstArray[1]=new Image;
24 fstArray[1].src="image2.gif";
25 fstArray[2]=new Image;
26 fstArray[2].src="image3.gif";
27 fstArray[3]=new Image;
28 fstArray[3].src="image4.gif";
29
30 index=0;
31 dirInd = "D";
32 function cycle()
33 {
34   document.rotate.src=fstArray[index].src;
35   if (dirInd=="D")
36   {
37     index=index+1;
38     if (index==4)
39     {
40       dirInd = "U";
41     }
42   }
43   if (dirInd=="U")
44   {
45     index = index-1;
46     if (index == 0)
47     {
48       dirInd = "D"
49     }
50   }
51   setTimeout ("cycle()",500);
52 }
53
54 // setTimeout deals with the amount of time in milliseconds before the expression
55 // referred to evaluates - in this example before cycle. This means that I have set
56 // up an endless loop here because onLoad says to do cycle and within cycle I say to do
57 // cycle - therefore the endless loop - a programming technique to use carefully!
58
59 </script>
60 </head>
61 <body onload="cycle();">
62 
66 </body>
67 </html>
```

Very primitive animation

11:17 AM
5/4/2015





cisweb.bristolcc.edu/~username/folders/page.html

The image shows a web browser window with a tab titled "Amount Calculator". The browser address bar shows the URL: `www.pgrocer.net/Cis44/examples/DOMmore/calculatetotal.html`. The page content displays a form titled "Amount Owed" with the instruction "Enter price for first amount and quantity for each item:". The form has two columns: "PRICE" and "QUANTITY". Each column contains four input fields. Below the inputs are "Total" and "Clear" buttons. A text field labeled "The total is:" is positioned below the buttons.

The right side of the browser window shows the source code editor for the page. The code is as follows:

```
1 </DOCTYPE html>
2 <html>
3 <head>
4 <title>Amount Calculator</title>
5 </head>
6 <meta charset="utf-8">
7 <script type="text/javascript">
8     function calcTotal ()
9     {
10      var ans1 = document.getElementById("price1").value * document.getElementById("quan1").value;
11      var ans2 = document.getElementById("price2").value * document.getElementById("quan2").value;
12      var ans3 = document.getElementById("price3").value * document.getElementById("quan3").value;
13      var ans4 = document.getElementById("price4").value * document.getElementById("quan4").value;
14      totAns = ans1 + ans2 + ans3 + ans4;
15      return totAns;
16    }
17  }
18  function clearTotal ()
19  {
20    datain.price1.value = "";
21    datain.quan1.value = "";
22    datain.price2.value = "";
23    datain.quan2.value = "";
24    datain.price3.value = "";
25    datain.quan3.value = "";
26    datain.price4.value = "";
27    datain.quan4.value = "";
28    datain.theTotal.value = "";
29  }
30 </script>
31 </head>
32 <body>
33 <h1>Amount Owed</h1>
34 <form id="datain">
35 <p>Enter price for first amount and quantity for each item:<br><br>
36 <table>
37 <tr>
38 <th>PRICE</th>
39 <th>QUANTITY</th>
40 </tr>
41 <tr>
42 <td><input type="text" id="price1" size="10"></td>
43 <td><input type="text" id="quan1" size="10"></td>
44 </tr>
45 <tr>
46 <td><input type="text" id="price2" size="10"></td>
47 <td><input type="text" id="quan2" size="10"></td>
48 </tr>
49 <tr>
50 <td><input type="text" id="price3" size="10"></td>
51 <td><input type="text" id="quan3" size="10"></td>
52 </tr>
53 <tr>
54 <td><input type="text" id="price4" size="10"></td>
55 <td><input type="text" id="quan4" size="10"></td>
56 </tr>
57 </table>
58 <br>
59 <input type="button" value="Total" onclick="theTotal.value=calcTotal() ">
60 <input type="button" value="Clear" onclick="clearTotal() ">
61 <br>
62 The total is:
63 <input type="text" id="theTotal" size="10">
64 </form>
65 </body>
66 </html>
```

The text "Using DOM" is written in blue next to the script tag in the source code editor.

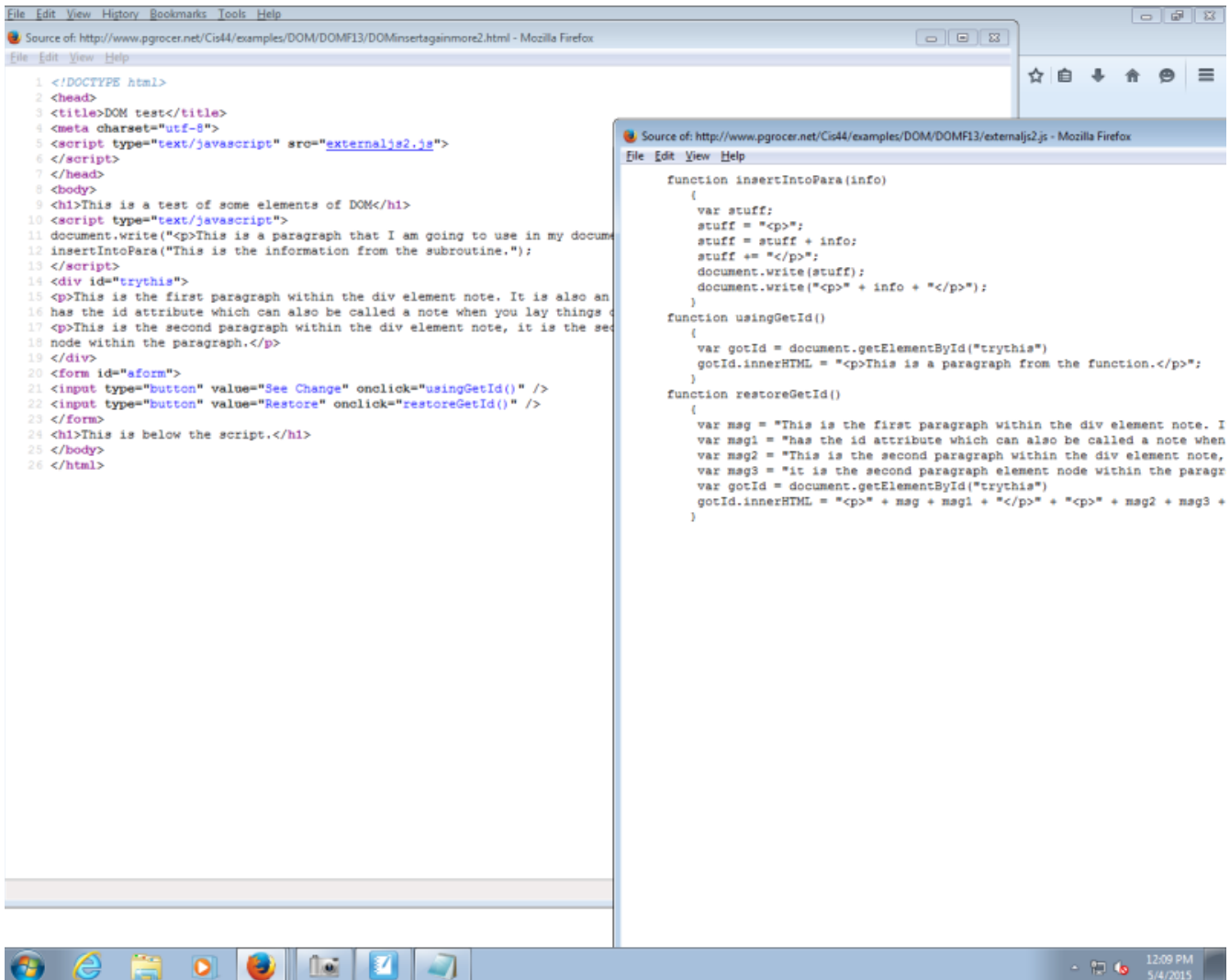
The screenshot shows a web browser window with the title "DOM test" and the address bar containing the URL "www.pgrocer.net/Cis44/examples/DOM/DOMF13/DOMinsertagainmore2.html". The page content includes:

- A heading: **This is a test of some elements of DOM**
- Text: "This is a paragraph that I am going to use in my document."
- Text: "This is the information from the subroutine."
- Text: "This is the information from the subroutine."
- Text: "This is the first paragraph within the div element note."
- Text: "This is the second paragraph within the div element note."
- Two buttons: "See Change" and "Restore"
- A heading: **This is below the script.**

An "Source of:" window is open, displaying the following HTML code:

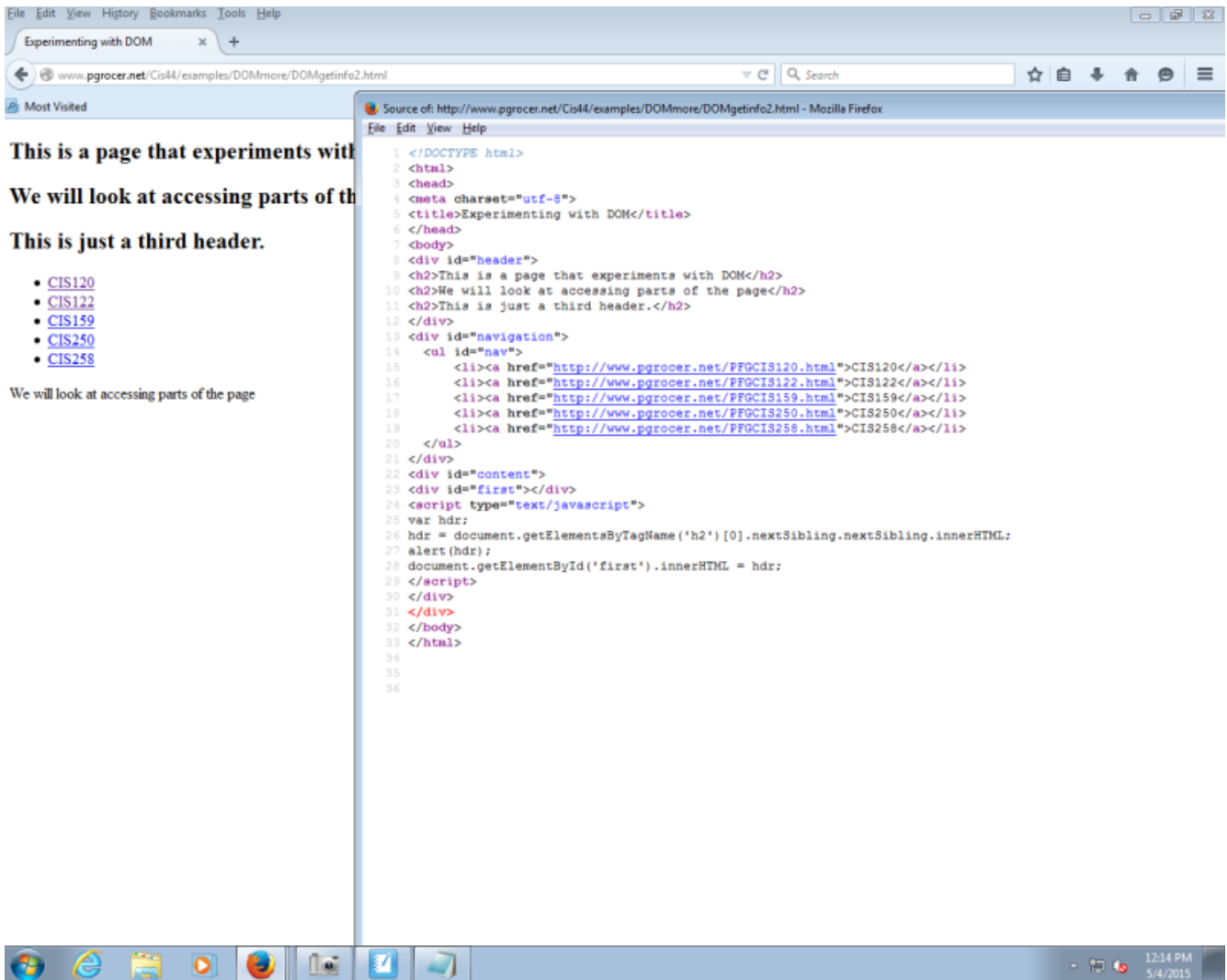
```
1 <!DOCTYPE html>
2 <head>
3 <title>DOM test</title>
4 <meta charset="utf-8">
5 <script type="text/javascript" src="externaljs2.js">
6 </script>
7 </head>
8 <body>
9 <h1>This is a test of some elements of DOM</h1>
10 <script type="text/javascript">
11 document.write("<p>This is a paragraph that I am going to use in my document.</p>");
12 insertIntoPara("This is the information from the subroutine.");
13 </script>
14 <div id="trythis">
15 <p>This is the first paragraph within the div element note. It is also an element note and it
16 has the id attribute which can also be called a note when you lay things out.</p>
17 <p>This is the second paragraph within the div element note, it is the second paragraph element
18 node within the paragraph.</p>
19 </div>
20 <form id="aform">
21 <input type="button" value="See Change" onclick="usingGetId()" />
22 <input type="button" value="Restore" onclick="restoreGetId()" />
23 </form>
24 <h1>This is below the script.</h1>
25 </body>
26 </html>
```

The browser's taskbar at the bottom shows the system tray with the time "12:04 PM" and date "5/4/2015".



```
1 </DOCTYPE html>
2 <head>
3 <title>DOM test</title>
4 <meta charset="utf-8">
5 <script type="text/javascript" src="externaljs2.js">
6 </script>
7 </head>
8 <body>
9 <h1>This is a test of some elements of DOM</h1>
10 <script type="text/javascript">
11 document.write("<p>This is a paragraph that I am going to use in my docum
12 insertIntoPara("This is the information from the subroutine.");
13 </script>
14 <div id="trythis">
15 <p>This is the first paragraph within the div element note. It is also an
16 has the id attribute which can also be called a note when you lay things
17 <p>This is the second paragraph within the div element note, it is the sec
18 node within the paragraph.</p>
19 </div>
20 <form id="aform">
21 <input type="button" value="See Change" onclick="usingGetId()" />
22 <input type="button" value="Restore" onclick="restoreGetId()" />
23 </form>
24 <h1>This is below the script.</h1>
25 </body>
26 </html>
```

```
function insertIntoPara(info)
{
  var stuff;
  stuff = "<p>";
  stuff = stuff + info;
  stuff += "</p>";
  document.write(stuff);
  document.write("<cp>" + info + "</p>");
}
function usingGetId()
{
  var gotId = document.getElementById("trythis")
  gotId.innerHTML = "<p>This is a paragraph from the function.</p>";
}
function restoreGetId()
{
  var msg = "This is the first paragraph within the div element note. I
  var msg1 = "has the id attribute which can also be called a note when
  var msg2 = "This is the second paragraph within the div element note,
  var msg3 = "it is the second paragraph element node within the parag
  var gotId = document.getElementById("trythis")
  gotId.innerHTML = "<cp>" + msg + msg1 + "</p>" + "<cp>" + msg2 + msg3 +
}
```



The screenshot shows a web browser window with the address bar displaying 'www.pgrocer.net/PFGCIS122.html'. The page title is 'CIS122/44 Course Page'. The browser interface includes a menu bar (File, Edit, View, History, Bookmarks, Tools, Help) and a search bar.

Left Sidebar:

- CIS122/44**
- About This Course:**
 - Read Me First
 - Introduction to CIS122/44
 - Syllabus
 - College Policies
- Site Resources:**
 - Notes and Handouts
 - delicious (10/11)
 - delicious (11/12)
 - delicious (12/13)
 - delicious (13/14)
- HTML5:**
 - HTML5 sample code
 - CSS sample code
 - CSS3 sample code
 - Javascript samples
 - Audio/Smartboard under XHTML
- 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
 - Presentations
- Weekly Schedule:**
 - Weekly schedule - CIS122/44
 - Assignment Summary
- Links:**
 - Information & Tutorials
 - Some useful books

Main Content Area:

Week #14
Week of April 27th

week. Let me know if you find some dead links.
One of the topics to consider is getting good placement of your page. Here are some resources I have found, but you should do some searching for other links:

- [Promoting web site](#)
- [Web site promotion](#)
- [Promote your web site](#)
- [Less obvious ways to promote](#)
- [Techniques for placement \(Ceasar Cabral\)](#)
- [Promoting a site](#)
- [Using articles to promote](#)
- [Search Engine Watch](#)
- [SEO Guide](#)
- [SEO on Wiki](#)
- [SEO Google](#)
- [Placement](#)
- [Placement \(old but still some interesting information\)](#)

For information, read:
[about robots.txt](#)

Other things to look at for this week:
1) Web ethics: Ten Commandments of Computer Ethics
[Bloggers code of ethics](#)

2) Searching:
[Search tools chart](#)
[Yahoo advanced search](#)
[Google searching](#)

I would also like you to look at some sites that deal with evaluating the information you find at a web site:
[Evaluation from Cornell](#)
[Evaluation from Berkeley](#)
[Evaluation from Ohio](#)
[Evaluation from Maryland](#)

Check back!

Assignments to turn in:
Alternative to payroll if you did not get it in by the time I went over it in class: [Alternative to payroll assignment](#)
DOM assignment: I would like you to write a program using DOM - basically I want you to experiment, you can take an existing program and replace some JavaScript as it is written with DOM, you can explore one of the things we did last Monday and write a program using DOM or you can come up with your own plan. Just experiment at a level you are comfortable with!

Week #13
Week of April 20th

I will be doing registration and helping this week so Monday at 10 and Tuesday and Thursday around 2. Pat is available Tuesday and Thursday around 2 and Wednesday between 2 and 4. Don't forget to sign up to see your advisor!
[Information about upcoming events through STEM under Posting/Notes on my home page.](#)

We will start looking at DOM this week. Please check back!
Assignments to turn in:
[JSQuiz.pdf](#)
[Quiz assignment notes](#)

The Windows taskbar at the bottom shows the system clock as 12:17 PM on 5/4/2015.