Know:

* Terms from the beginning of the year
* HTML tags:
	+ ***Basic template tags***
	+ ***All tags covered in class and tutorials,*** including:
		- Lists
		- Tables
		- images
		- Links:
			* To other web pages on the world wide web
			* To other web pages within your web site
			* To the top of the page
			* To the middle of another web page on your web site
	+ Div tags
	+ Span tags
	+ Adding ids
	+ Adding classes
* CSS:
	+ ***All styling options covered in tutorials***
	+ Background images: tiled, not repeating and positioned, only tiling up and down, only tiling across
	+ Padding versus margin
	+ Width versus border-width
	+ Styling ids
	+ Styling classes
	+ Styling tags within a div tag
	+ Positioning: absolute, fixed, relative, and float
* Colors: RGB and hex

# **Chocolate Code-off Challenge:**

*Note that in the code-off, there are references to images and to pixel distances. Since you can’t necessarily precisely draw a vampire or 32 pixels in from the left, I’m looking for the general idea. Guestimates are fine.*

*Match the following: (1 pt each, 8 pts total)*

|  |  |
| --- | --- |
| 1. Internet
2. TCP/IP
3. HTTP
4. Browser
5. URL
6. Server
7. HTML
8. CSS
 | 1. Set of rules used for transferring data and getting it to the right destination
2. Requests web page from server and displays web page
3. Unique address for every web page on the www
4. Tells data where to go next across the internet
5. Divisions in web pages to make styling easier
6. For formatting web pages
7. Large, lots of resources, always available, honors requests
8. Rules for transferring web pages across the internet
9. Used for styling web pages
10. Unique address for every computer connected to the internet
11. A set of networks connected by a common set of rules
 |

*Match the following: (1 pt each, 9 pts total)*

|  |  |
| --- | --- |
| 1. #CA2FD1;
2. #DE3125;
3. rgb(22, 222, 233);
4. #000000;
5. rgb(255,255,255);
6. #8A8A8A;
7. rgb(13, 31,244);
8. #2FF22F;
9. rgb(244, 236,22);
 | 1. Reddish
2. Yellowish
3. Greenish
4. Cyanish (Green-Blueish)
5. Purplish
6. Bluish
7. Black
8. White
9. Gray
 |

Problem 1: (4 pts, 1 pt each)

*There are at least 5 things that won’t validate about this code. List 4 (with the line number) and explain why they are invalid (Note: don’t worry about bad quotes. MS word uses invalid quotation marks – just ignore them)*

|  |  |
| --- | --- |
| *1**2**3**4**5**6**7**8**9**10**11**12**13**14**15**16**17**18**19**20**21**22**23**24* | <!doctype html><html> <head> <meta charset = "utf-8"> <title> An Awesome Web Page </title> <h1> Web Stuff</h1> </head> <body> <div id = "web"> <h2>Random Web Page </h2> <p>  <a href = "#web">link</a> Here is where there's <div class = “boldtext”> stuff </div> about the web.  <img src = "Images/web.jpg" width = "100" height = "150"> </p> <h2>Part Two </h2> <ul> Top 2 Cereals  <li> Cheerios </li> <li><h3>Honey Nut Cheerios </h3></li> <ul> <a id = "web"> bottom of web page </a> </div> </body></html> |

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
4. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Problem 2: (2 pt) Given the following code snippet, add code so that the image becomes a link to the University of Delaware: (udel.edu)***

 <img src = “bluehen.jpg” height = “100” width = “100” alt = “Delaware’s logo”>

***Problem 3: (2 pt) Given the following code snippet, create a link to the text, “Best Web Page”:***

<body>

 <h1 id = “top”> Requirements </h1>

 <h2 id = “t2”>**Best Web Page** </h2>

 <p id = “p1”>This is a web page on rules for making a good web page </p>

 <p id = “p2”>Frankenstein (there had to be a monster in here somewhere… </p>

 **<p id = “p3”> ­­­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ </p>**

***Problem 4: (4 pts) Given the following html code snippet, draw the (partial) web page that would result:***

 <ol>

 <li>Zombie

 </li>

 <li>Witch

 <ul><li> Ursula

 </li>

 <li>Belatrix

 </li>

 <li>Melisandre

 </li>

 </ul>

 </li>

 <li>werewolf

 </li>

 </ol>

***Problem 5: (5 pts) Given the following html code snippet, draw the (partial) web page that would result:***

 <form>

 <p>

 <input type = "radio" name = "gore" value = "ghost"> ghoul <br>

 <input type = "radio" name = "gore" value = "teeth" checked = "checked"> vampyre <br>

 <input type = "radio" name = "gore" value = "brew"> witch <br>

 </p>

 <p><textarea rows = "3" cols = "100"> How can we scare you?</textarea>

 </p>

 <p><input type = "button" value = "get scared">

 </p>

 </form>

***Problem 6: (5 pts)Given the following html and css snippets, draw the resulting web page:***

 *<style>*

 h2 { border-style: solid;

 border-width: 2px;

 border-color: black;

 padding-top: 80px;

 padding-bottom: 0px;

 text-align: right;

 font-style: italic;

 font-size: 350%;

 background-image: url(Images/smallghost2.png);

 background-repeat: no-repeat;

 background-position: top right;

 }

 </style>

 </head>

 <body>

 <h2> Unearthly </h2>

 </body>

***Problem 7: (6 pts) Given the following HTML and CSS snippets, draw the resulting web page (pay attention to padding and margins):***

 *<style>*

 *#ghost { width: 200px;*

 *border-style: solid;*

 *border-color: black;*

 *border-width: 2px;*

 *padding: 0px;*

 *margin: 25px;*

 *float: right;*

 *}*

 *#all { width: 300px;*

 *border-style: dashed;*

 *border-color: black;*

 *border-width: 2px;*

 *margin: auto;*

 *padding: 0px;*

 *}*

 *#bottom {clear: right;}*

 *</style>*

 *</head>*

 *<body>*

 *<div id = "all">*

 *<p> eek eek eek eek eek eek eek eek eek*

 *</p>*

 *<div id = "ghost">*

 *<img src = "Images/ghost2.jpg" width = "150" height = "200"*

 *alt = "silly ghost">*

 *</div>*

 *<p> boo boo boo boo boo boo boo boo boo*

 *</p>*

 *<div id = "bottom"> </div>*

 *</div>*

*</body>*

***Problem 8: (7 pts) The following code snippet in and of itself, results in the web page (shown below the code):***

 <img src = "Images/bats.gif" id = "b1" width="300" height = "450"

 alt = "flying bats">

 <img src = "Images/fangs.gif" id = "f1" width="90" height = "60"

 alt = "fangs with blood">

 <img src = "Images/ghost.png" id = "c1" height = "300" width = "250"

 alt = "cow pic">



The above code snippet would result if no css was included, if, however, the css below was included, draw the resulting web page (rough estimates are fine):

 #b1 { width: 300px;

 z-index:2;

 }

 #f1 {position: relative;

 top: -40px;

 left: -210px;

 z-index: 8;

 }

 #c1 {position: relative;

 top: 30px;

 left: -390px;

 z-index: 5;

 }

***Problem 9: (10 pts) Given the following html/css code, draw the web page that would result:***

<!doctype html>

<html>

 <head>

 <meta charset = "utf-8">

 <title> An Awesome Web Page </title>

 <style> p { width: 20px;

 padding-top: 10px;

 padding-bottom: 10px;

 border-style: solid;

 border-width: 3px;

 border-color:black;

 text-align: center;

 background-color: white;

}

 #p1 { position: absolute; top: 10px; left: 60px; z-index: 3}

 #p2 { position: absolute; top: 10px; left: 60px; z-index: 5}

 #p3 { position: absolute; top: 15px; left: 10px; z-index: -1}

 #p4 { position: absolute; top: 10px; left: 110px; z-index: 3}

 #p5 { position: absolute; top: 15px; left: 10px; z-index: 1}

 #p6 { position: absolute; top: 20px; left: 85px; z-index: 3}

 #p7 { position: absolute; top: 20px; left: 35px;}

 #p8 { position: absolute; top: 20px; left: 85px; z-index: 5}

 </style>

 </head>

 <body>

 <p id = "p1">A</p>

 <p id = "p2">Y</p>

 <p id = "p3">E</p>

 <p id = "p4">T</p>

 <p id = "p5">C</p>

 <p id = "p6">F</p>

 <p id = "p7">R</p>

 <p id = "p8">P</p>

 </body>

</html>

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 |
| 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Problem 10: (10 pts) Given the following html and css code, draw what is created:**

 <head>

 <meta charset = "utf-8">

 <title> An Awesome Web Page </title>

 <style>

 table {border-style: solid; border-color: black; border-width: 2px;}

 td {border-style: solid; border-color: black; border-width: 2px;text-align: center;}

 </style>

 </head>

 <body>

 <table>

 <tr><td rowspan = "3">boo</td>

 <td rowspan = "2">eek</td>

 <td>ack</td>

 <td rowspan = "2">arg</td>

 <td rowspan = "3">wow</td>

 </tr>

 <tr><td>yikes</td>

 </tr>

 <tr><td colspan = "3">squeek</td>

 </tr>

 <tr><td colspan = "5">chillbumps</td>

 </tr>

 </table>

 </body>