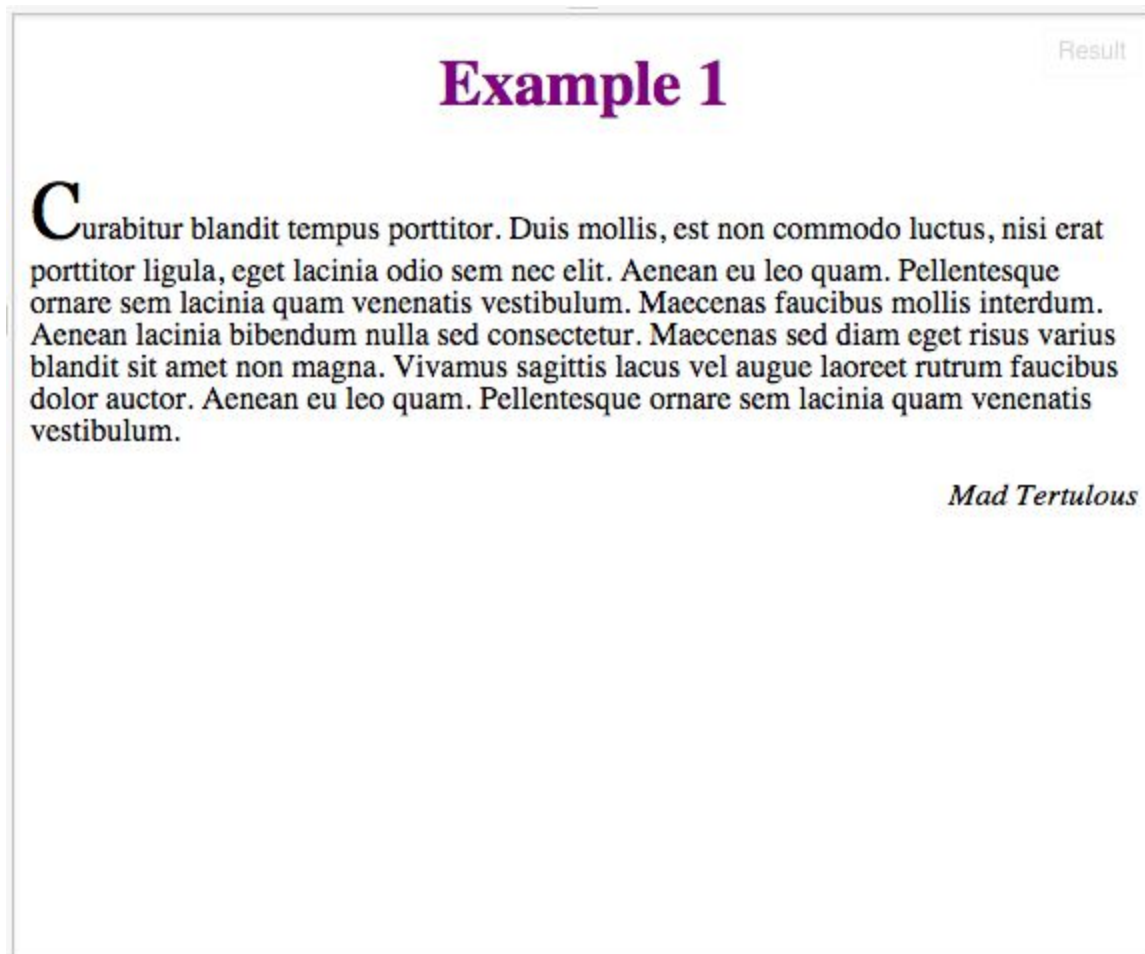


CIS 658 Web Architectures
Winter 2018
Homework #6
Due: March 15, 2018

Part 1:

Instructions: Working in pairs, use the jsfiddle.net tool to craft CSS code for the following scenarios. You must craft your CSS by hand – do not use any third party CSS or JavaScript libraries in your solutions.

Problem #1:



The HTML source:

```
<h1> Example 1 </h1>
<div class="important">
  <p> <span class="bigtext">C</span>urabitur blandit tempus porttitor. Duis mollis, est non commodo
luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit. Aenean eu leo quam. Pellentesque ornare
sem lacinia quam venenatis vestibulum. Maecenas faucibus mollis interdum. Aenean lacinia bibendum
```

nulla sed consectetur. Maecenas sed diam eget risus varius blandit sit amet non magna. Vivamus sagittis lacus vel augue laoreet rutrum faucibus dolor auctor. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. </p>

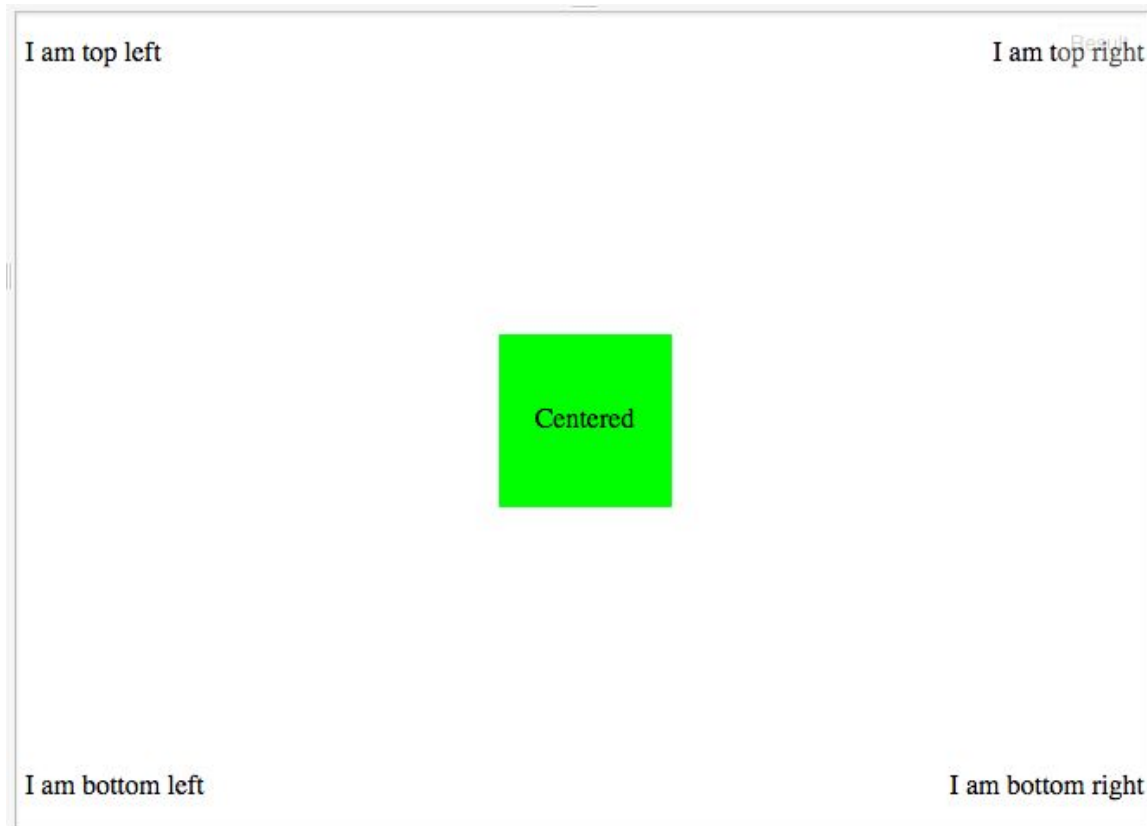
</div>

<p id="signature">Mad Tertulous</p>

Specifications:

- h1 is centered with text color purple.
- The element marked with id="signature" is right justified italics.
- First character in the paragraph is the Georgia font family and 40px in size.

Problem #2:



HTML Source:

```
<p id="topleft"> I am top left </p>
<p id="bottomleft"> I am bottom left </p>
<p id="topright"> I am top right </p>
<p id="bottomright"> I am bottom right </p>
<div class="centered_green_box">
  <p class="centered"> Centered </p>
</div>
```

Specifications:

- left justified text has a left margin of 5px.
- Right justified text has a right margin of 5px.
- Top/bottom margin is default.
- Size of the box is 100px X 100px, with background color #00FF00.

Problem #3

Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Aenean lacinia bibendum nulla sed consectetur.

Nullam id dolor id nibh ultricies vehicula ut id elit. Aenean lacinia bibendum nulla sed consectetur. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Nullam quis risus eget urna mollis ornare vel eu leo. Maecenas sed diam eget risus varius blandit sit amet non magna. Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Donec ullamcorper nulla non metus auctor fringilla.

Posuere erat a ante venenatis dapibus! onec ullamcorper nulla non metus auctor

Maecenas faucibus mollis interdum. Nullam id dolor id nibh ultricies vehicula ut id elit. Donec ullamcorper nulla non metus auctor fringilla. Duis mollis, est non commodo luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit.

HTML Source:

```
<p> Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Aenean lacinia bibendum nulla sed consectetur. </p>
<div class="fancy_quote">Posuere erat a ante venenatis dapibus! onec ullamcorper nulla non metus auctor</div>
<p> Nullam id dolor id nibh ultricies vehicula ut id elit. Aenean lacinia bibendum nulla sed consectetur. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Nullam quis risus eget
```

urna mollis ornare vel eu leo. Maecenas sed diam eget risus varius blandit sit amet non magna. Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Donec ullamcorper nulla non metus auctor fringilla.</p>

<p>Maecenas faucibus mollis interdum. Nullam id dolor id nibh ultricies vehicula ut id elit. Donec ullamcorper nulla non metus auctor fringilla. Duis mollis, est non commodo luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit.</p>

Specifications:

- paragraph text is displayed in default font.
- Quote box measures 200px X 100px.
- The font size of the quoted text is 120% larger than the default font-size.
- The font style of the quoted text is italic.

Problem #4:



**HTML Source:**

```
<div class="redbox">  
  Get ready!  
</div>  
<div class="yellowbox">  
  Get set!  
</div>  
<div class="greenbox">  
  Go!!  
</div>
```

Specifications:

- The boxes should begin to stack up vertically when the width of the view is reduced.
- Use shades of red, yellow, green for the box background and border. Colors do not need to match the example above exactly.
- The boxes are 100px wide.
- Padding, margins and borders are all set to 10px.
- Text should be centered in the containing box.

Problem #5

Here are your options:

1. Link #1
2. Link #2
3. Link #3

Result

HTML Source:

Here are your options:

```
<ol>  
  <li> <a href="#1"> Link #1 </a> </li>  
  <li> <a href="#2"> Link #2 </a> </li>  
  <li> <a href="#3"> Link #3 </a> </li>  
</ol>
```

Specifications:

- normal, unvisited links are red with no underline.
- Visited links are grey with no underline.
- If you hover over a link it turns red with an underline.
- When you click a link it flashes momentarily a blue color with no underline.
-

Part 2:

JavaScript / JQuery Exercises

Instructions: Pair up in teams of two and complete the following exercises using <http://jsfiddle.net>. You should use pure JavaScript for 6, 7. You should use jQuery 3.3.1 for 8, 9. You are also welcome to use any additional libraries/plugins based on jQuery on problems 8, 9.

Problem #6:

Code up a web form with three appropriately labeled fields: name (text, 24 chars max, mandatory), age (numeric, mandatory) and gender (male/female, mandatory). Write validation code in JavaScript that

runs when the submit button is pressed. Whenever a field does not meet the input requirements a descriptive error message (boldface red) appears to the right of each invalid field. You do not have to actually write up the server side script (e.g. specify an action of “#”).

Problem #7:

Create a simple checkout form that collects a billing address (name, address, city, state, zip) and shipping address with the same fields. Add a checkbox over the shipping address with the label “Shipping address is the same as billing.” If the user clicks on the checkbox, then automatically transfer the contents of the billing address fields into the shipping address fields and disable the shipping fields for entry. If the user unchecks the box, the contents of the fields should be left as is, but the fields should once again be enabled.

Problem #8:

Implement #6 above using jQuery. (Feel free to use the jQuery form validator plugin.)

Problem #9:

Implement #7 above using jQuery.

Deliverable:

Post your 9 public jsfiddle.net URLs to Slack in a direct conversation. Use the “Post” option in Slack so you can include all 9 links in a single posting (e.g. click the + button in the message window). Be sure to add your partner to the conversation so I know who to give credit to!