

Name _____

Complete these exercises to the best of your ability. You may use any online resources you wish and ask questions of your instructors, however, this should substantially represent your own work and progress at this point in the program. You may, of course, use your computer to test your answers before recording them in this document.

1) Correctly complete the HTML5 Document Below:

```
<!DOCTYPE html>
<html>
  _____
  <head>
    <title>HTML5 Mad Libs</title>
  </head>
  <body>
    <h1>_____Testing your HTML5 Skills</h1>
    <p>The purpose of this document is to test your HTML5
skills and see how you're progressing at learning the markup
language</p>
  </body>
</html>
_____
```

2) Correctly write the HTML to produce the screen image below. Treat the tip selector as a dropdown element with the amounts 10%, 12.5%, 15%, 17.5%, or 20%. This is meant to be a mobile layout.:

Bill
<input type="text"/>
Tip %
10% ▼
Tip Amount:
Amount Owed:
<input type="button" value="Calculate Tip"/>

3) Write the HTML5 code that produces the following list:

- Journey
- Reo Speedwagon
- Styx
- Rolling Stones
- Toto
- Mr. Mister

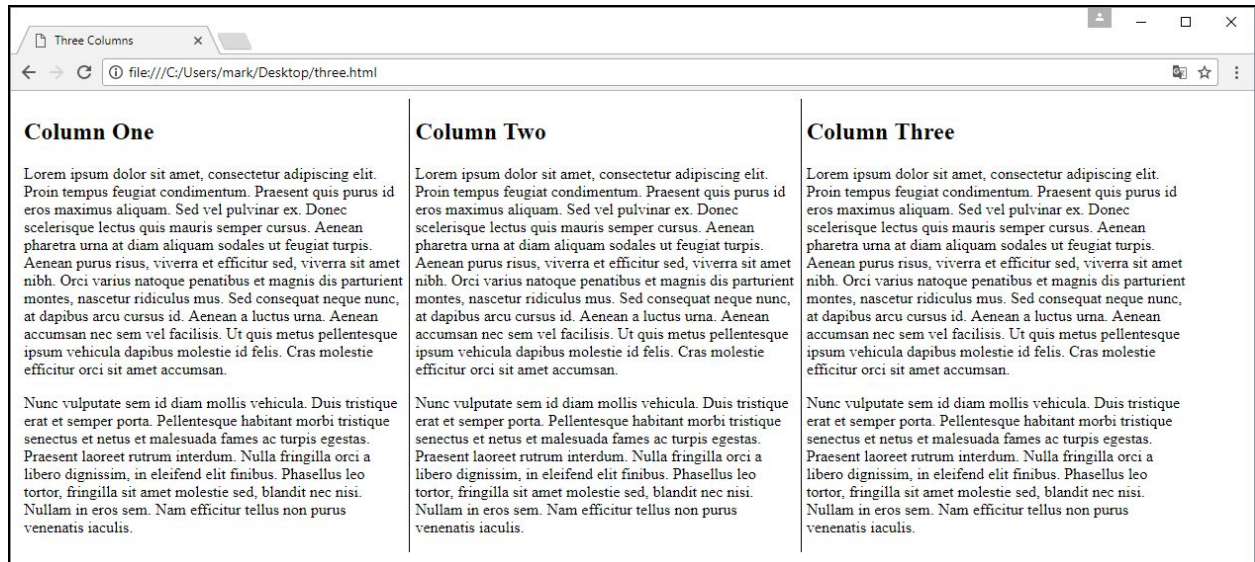
4) Write the HTML5 and CSS code that produces the following table:

State	Capital	Governor
Connecticut	Hartford	Dannel Malloy
Alabama	Montgomery	Kay Ivey
California	Sacramento	Jerry Brown
Georgia	Atlanta	Nathan Deal
Idaho	Boise	Butch Otter
New York	Albany	Andrew Cuomo
Oregon	Salem	Kate Brown

5) Write the necessary HTML5 and CSS to create the following output in the browser. (Don't worry about the text inside the logical divisions— Just use the tags surround the elements and and ellipses like this:

`<div>...</div>`

You may also use the site **lipsum.com** to create dummy text.



6) Complete the Python program below by filling in the blanks. Sample output from the program is provided.

```
Python 3.6.1 (default, Dec 2015, 13:05:11)
[GCC 4.8.2] on linux
>
What is your age? 43
In 10 years you will be 53
In 20 years you will be 63
In 30 years you will be 73
Half a lifetime ago you were 21
>
```

```
age = input("What is your age?")
print ("In 10 years you will be %_____" % (____(age) + 10))
print ("In 20 years you will be %_____" % (____(age) + 20))
print ("In 30 years you will be %_____" % (____(age) + 30))
age = ____ (age) / 2
print ("Half a lifetime ago you were %d" age)
```

7) Write the code for the following loops:

7A) A loop that outputs all the numbers **between** 0 and 100 counting by fives.

7B) A loop that counts backwards from 1000 to 950.

7C) Give the following list called members, output all the members of the list: ["Mark", "Jay", "Tom", "Mary", "Kathy", "Donald"]