Please all of the questions below in their own .html file.

Upload just 1 *<student_name_goes_here>*.zip file to blackboard.

1. If you see any issues or problems, fix them.
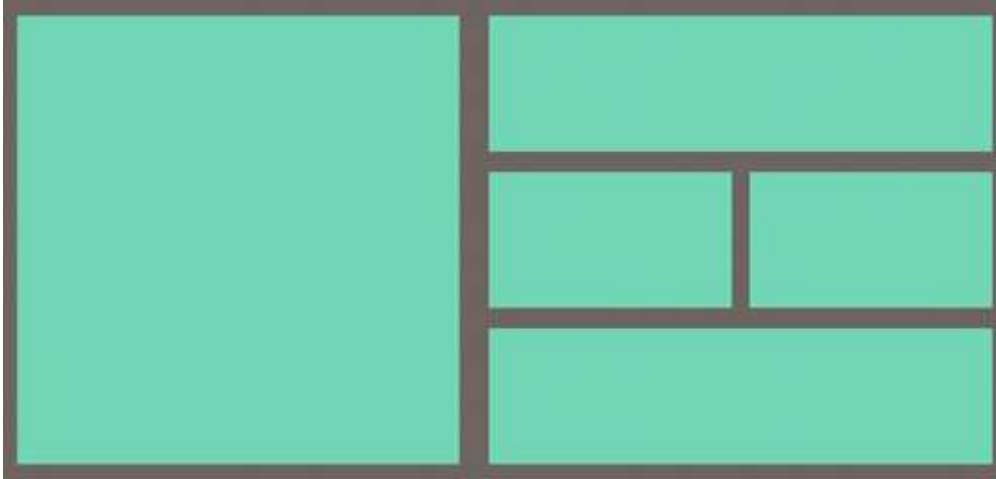
```
1    !<html DOCTYPE>
2    <html>
3     <title>
4        <img type="bin/image" rel="icon" src="../icons/.../bu.ico"/>
5        MET CS0601
6     </title>
7     <head>
8      <sytle>
9         let [] = null;
10        if [] === null ) {
11           [] = new Array();
12        }}
13        else {
14           heave(new Date->now())
15        }}
16     </sytle>
17     <body>
18
19     <h1><span>Test</h1><s/span>
20     <scrpit>
21       int i = 0;
22       float f = 4.50;
23
24       display: = i > 4.9999 ? "hidden" : :visibile;
25     </scrpit>
26    </head>
27   </html>
```

2. Replicate this solution using bootstrap. The color does not have to be green.

3. Using HTML and JavaScript, calculate the number of days till the end of the Fall, 2021 semester. Search fonts.google.com for "Mountains of Christmas". Use it in your solution. Your page should have this in an H1 element: "Unfortunately, the number of days left in my amazing semester at Boston University is #########"

4. Replicate this HTML Table, using any type of HTML element(s) you feel appropriate (and does the job).

My Multi Level Table			
Column 0	Column 1	Column 2	
		Column 2a	Column 2b
Row 1	Row 1a	123	456	789
	Row 1b	123	456	789
Row 2		123	456	789

5. Recreate this form using any type of HTML element(s) you feel appropriate and does the job.

Zoo Keeper Application Form
Please complete the form. Mandatory fields are marked with a *

CONTACT DETAILS

Name *   [   ]

Telephone   [   ]

Email *   [   ]

PERSONAL INFORMATION

*Age   [   ]

Gender   [Female   ▼]

When did you
first know you   [   ]
wanted to be a
zoo-keeper?

PICK YOUR FAVORITE ANIMALS

☐ Zebra   ☐ Cat   ☐ Anaconda   ☐ Human
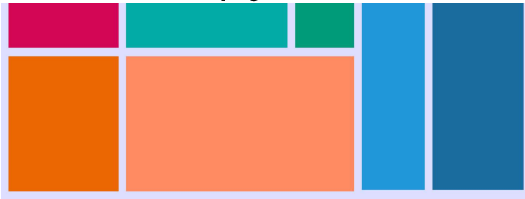
☐ Elephant   ☐ Wildebeest   ☐ Pigeon   ☐ Crab

[Submit Application]

6. Write examples of all the different ways to create CSS selectors.
   Remember, you need to show *all of them* with examples using HTML and your CSS. Use an embedded CSS script with your rules that correspond to your HTML markup.

7. Show how to you would implement a solution that looked at the value of a textarea, and invert any SQL keyword you have stored with the same word, spelled backwards - to make sure to look at the following words: "delete", "truncate", "update", "insert", "drop".

8. Show how you would replicate this representation below with CSS. The exact colors are not important, but use colors to help you solve it.

9. Part 1: Write code that shows all the ways you create functions.
   Part 2: Write code that uses each of the ways you described in Part 1.

10. Come up with a solution using CSS, JavaScript and HTML

   Using the appropriate means, dynamically populate a HTML select element with values from 0 to 255. Do not write HTML with values from 0 to 255, it must be done dynamically. The id of target select element will be passed into the function as a parameter, when you dynamically build it. The select elements cannot have any values hard-coded. When the DOMContentLoaded event is triggered, populate all three select elements, one at a time.

   The HTML needs to have a div, that is rendered like a circle with no background color. There will be 3 different select elements in your HTML page. (See previous paragraph). One select element for all the different colors of red. One for all the different colors of green. Lastly, one for all the different colors of blue. The values of each of them will set with your function that generates their values.

   Have a button, once clicked will change the background color of the circle to take the red/green/blue values.

   Have another button, to clear the select elements back to their defaults and clear the circle's background color back to white. Do not simply reload the page. You can use native JavaScript or jQuery in your solution.