Final CMPS 162

Date: 4/22/19

Instructor: Jeff Seaman

Duration: 3:15 hours/minutes

Points: 450

Bonus Question is in the Final Exam area worth 5 points added onto the Final Exam.

You can use notes, and review your code to complete this task.

The final will be open book for you to use your notes, but this an individual exam. This only applies to the coding exercises. You can only use functionality that we covered in the book or in our labs.

Once you have completed the code, please create a directory under GitHub called “finalexam” and push all of your code to the master branch. Please provide me a working URL for your exam.

* Read carefully
* Write down your steps in plain English (use comments) before you write any JavaScript.
* Try to make sure that your code always runs, so test frequently in the browser.
* Enable the web error console so that you can debug problems.
* Try to finish as much as you can even if you don’t have a completed answer, because you will receive partial credit for incomplete or partially correct answers.

1. (90 points) Complete the getRandomCharacter function that returns a randomly selected character from a string. You can find the function and some examples of its use in cmps-162-final-question-1.html
2. (90 points) Complete the countOddNumbers function that counts the number of odd elements in an array. You can find the function and some examples of it use in cmps-162-final-question-2.html
3. (90 points) Complete the HTML page to call a script to allow you to hide an image on the screen. You can find the function and some examples of it use in cmps-162-final-question-3.html (This will consist of calling a .js script)
4. (90 points) Complete the HTML page to call a script to allow you to change the font size, style, background color and weight on the page. You can find the HTML and some examples of it use in cmps-162-final-question-4.html (This will consist of calling a .js script)
5. (90 points) Complete the HTML page to use a script inside of the HTML to create a constructor to provide specifics of a college class. The attributes are college year (freshman,senior etc;), course name, course number, credit(3,4 etc;) You will also need to utilize an existing script to create a new function, and change the text on the screen to do the same thing as #4 problem and lastly you will need to add another function to that same script to refresh the page. You can find the HTML and some examples of it use in cmps-162-final-question-5.html (This will consist of calling a .js script)