Lab 2

Functions, Data Types, Operators

Related Reading

It is assumed that you have worked through Chapter 2 of your course textbook before starting this lab.

Setup

* For this lab, you will work from the Chapter02 folder for the Hands-on Projects, as well as continue building the calculator that should be in your ‘calc’ folder. If you have not already done so, add the Chapter02 folder from the [Student Data Files](http://www.cengage.com/cgi-wadsworth/course_products_wp.pl?fid=M20b&product_isbn_issn=9781305078444&token=F2438DC6547578E4DC5310ADDA8192524B7E15334CF4AD8D1090D0CD1C4CFAAE9AF153E3CBB43B7E966C621C4E1F258DC0BA0751364144BA16C6AD6988C63D6B341343C5B9FB9283&template=NELSON) for the textbook, and copy the Chapter02 folder into the root folder of your CSD212Labs folder.

Hands-on Projects [50%]

* Complete all 5 Hands-on Projects at the end of Chapter 2 in your textbook
* Do your work inside the corresponding folders that you copied into your CSD212Labs folder
* Make sure to commit your work to git

Calculator Project [50%]

Improve your calculator app by adding two JavaScript functions:

1. A function that gets called whenever the ‘Clear’ button is pressed. This function should set the #display div to contain the text ‘0’.
2. A function that gets called any time ANY of the number buttons is pressed. This function should append the value of the button that was pressed to the text in the #display div.

Your calculator should operate something like [this animation](https://saultcollege.sharepoint.com/:i:/s/ITStudies/EfL0MHxrwgFOvQ5o-Ic07xUBHHXAL-CR6jWueG0ZG03t1g?e=Y565TU) when you are done. (Note that the initial ‘0’ remains, and that it is possible to set a number of ‘0000’. We will fix this in a later lab.)

Submit to LMS

**IMPORTANT!** Pay close attention to filenames and directory structures given in the Lab and Textbook, and make sure the files you submit are correctly named and in the correct place. You may lose marks if your instructor needs to spend time figuring out where your answers are.

1. Validate & format your HTML, CSS, and JavaScript files
2. Make sure you have added and committed ALL the files for the Hands-on Projects AND the Calculator Project to your git repository
3. Push your changes to your GitHub remote
4. Verify that your GitHub remote contains your expected changes
5. In LMS, submit two pieces of information:
   1. your most recent commit ID, AND
   2. your GitHub clone URL