

Web Design DeCal

Homework 6 November 5th

## JavaScript Fun

**Required Tools: Text Editor & Google Chrome**

This week, we take a step back and teach the basics of JavaScript programming, so that even those who have no background in programming can follow along. You can open up `index.html` to check if you've written your functions correctly!

### Assignment

You must NOT make any changes in `index.html` or `grader.js`. Make changes only in `jspractice.js`.

[Download Assignment](#)

- **Question 1 - Calculator**

In Exercise 1 of the `jspractice.js` file, we're going to be filling out the functions necessary to create a calculator.

Note: The `add()` function has already been done for you as an example.

- **Question 2 - Help Hamza Out!**

For Exercise 2, Hamza is choosing which classes he should take between CS160 and CS169. He just wants to make sure that the time commitment of CS169 is less than 30 hours per week. Let the argument "timeCommitment" be the variable for CS169's time commitment, in hours per week.

If the time commitment is greater than 30, then return the string "CS160 Only!", otherwise return the string "CS160 and CS169!".

Hint: Review the Booleans slides for examples.

- **Question 3 - Eric's Dream**

Eric's dream is to hear his name repeated back to him by a large crowd. Y'know, just in case he forgets. (Just kidding.)

Complete the code in the for loop, so that the loop runs exactly 3 times.

Hint: Review the slides on loop syntax from the last lecture.

- **Question 4 - Joyce's Sax**

Phil is looking to buy a new Saxophone!

Write a function called "joyceSax" which takes in one input called "day". The function should use booleans to check if the value of "day" is the string "Monday", "Wednesday", "Saturday", or some other day.

If the day is Monday, return the string "It's Monday :(". If the day is Wednesday, return the string "Bass". If the day is Saturday, return the string "Soprano". Otherwise, return the string "Alto".

Note: The name of the function **HAS** to be joyceSax, or it won't be graded.

- **Question 5 - Oxford Commas**

We're going to write a function that takes in names and prints them out the right way!

Write a function called "joinNames" which takes in three string arguments: name1, name2, and name3. The function should join the names together so that, for example, if the names are "Jane", "Kevin", "Bill", the function returns "Jane, Kevin, and Bill." Don't forget the spaces, the period at the end, and the Oxford comma!

Note: Just like above the name of the function has to be joinNames to be graded.

## Submission

Submit the following files as a **zip** file through Assignments under Resources tab of the WDD Portal:

- index.html
- jspractice.js
- grader.js

Your assignment must be submitted as a **zip** file. Submission will automatically fail if your submission does not contain the index.html or if it is not a zip file.

This assignment is due by Thursday, **November 5th** at 5PM.

