

Web Design DeCal – Homework 5

Javascript Refresher

Exercise 1. Calculator

Fill in the missing code in multiply(), divide(), and subtract() functions in jspractice.js

add() function is already done for you as a demo.

More about Javascript functions: http://www.w3schools.com/js/js_functions.asp

Exercise 2. Think like a JS

Imagine yourself as a computer and guess what following statement would print:

```
var x = "Shawn";  
var y = "24";
```

```
x = "is awesome";  
x = x + y;  
x - 5;
```

console.log(x); *// Write down what this would print in Exercise2 comments of jspractice.js*

```
var x2 = x;  
x = x + 3;  
var y = "Foo";
```

console.log (x); *// Write down what this would print in Exercise2 comments of part1.js*

console.log(x2 + y); *// Write down what this would print in Exercise2 comments of part1.js*

Exercise 3. Telebears

Here's your strategy for enrolling in Telebears:

"If there's enough room for CS70, then I will enroll in CS70. Otherwise, I will see if CS61B is taught by Hilfinger. If CS61B is taught by Hilfinger, then I will avoid 61B and enroll in EE42. If not, CS 61B is not taught by Hilfinger, then I will enroll in 61B."

Convert the statement above into a Javascript If-else statement.

You “enroll” in a class by printing out the class name.
For example, to enroll in CS61A: `console.log(“CS61A”);`

Here’s an example of how you would convert a logical statement into an if-else statement in Javascript.

“If your total score is greater than 70, then you will pass. Otherwise, you will fail.”

```
if (total_score > 70) {  
    console.log(“P”);  
} else {  
    console.log(“NP”);  
}
```

Exercise 4. Shots!

Complete both the while loop and for loop versions of the following logic:

“John can drink up to 10 shots. If he drinks more than 10 shots, then he will throw up. As such, John will keep drinking until he reaches his threshold of 10 shots. Once he’s done drinking, he will shout out the number of shots he had and will pass out.”

You will create both while loop and for loop versions of this logic in `jspractice.js`. The two should do the same thing, but just using different semantics – while vs. for loops.

Submission

To submit, send the following files to submission@thewebdesignworkshop.co

1. A zipped copy of hw5 folder

Please don’t change the folder name! ☺

This assignment is due on Tuesday, November 5th at 6PM.