

Lab 1

Due Thursday by 11:59pm **Points** 100 **Submitting** a file upload

CS-546 Lab 1

An Intro to Node

For this lab, you will be creating several functions and run them in a simple script!

You will submit a single file named `lab1.js`. In this lab, you will write the 5 functions below, and run them with test input.

sumOfSquares(num1, num2, num3)

For your first function, you will calculate the sum of the squares of 3 numbers and return that result. That means

`sumOfSquares(5, 3, 10)` would return `134`.

sayHelloTo(firstName, lastName, title);

For the second function, you will make a simple function that uses `console.log` to print hello to someone!

The interesting thing about this function is that you don't have to have *all* the inputs to run.

Your function should print a string in the following format:

```
sayHelloTo(); // throws
sayHelloTo("Phil"); // logs: Hello, Phil!
sayHelloTo("Phil", "Barresi"); //logs: Hello, Phil Barresi. I hope you are having a good day!
sayHelloTo("Phil", "Barresi", "Mr."); // logs: Hello, Mr. Phil Barresi! Have a good evening!
```

cupsOfCoffee(howManyCups)

For the third function, you will create and return a simple song called `99 Cups of Coffee on the Desk`.

The lyrics of this song grow longer depending on how many cups of coffee there are on the desk.

If you run `cupsOfCoffee(5)` it would return:

```
5 cups of coffee on the desk! 5 cups of coffee!
Pick one up, drink the cup, 4 cups of coffee on the desk!

4 cups of coffee on the desk! 4 cups of coffee!
Pick one up, drink the cup, 3 cups of coffee on the desk!

3 cups of coffee on the desk! 3 cups of coffee!
Pick one up, drink the cup, 2 cups of coffee on the desk!
```

