

## Lab 00: Basics of C++, Git, and the Command Line

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**Instructions:** In this lab we will get use to using the Git (via GitHub) with a Command Line Interface (CLI) environment. You will create a GitHub account, fork this classes repository, do some basic bug fixing, and then submit via GitHub.

1. Visit <http://www.github.com> and create an account if you do not already have one.
2. Email me your account name. My email is [pwest@csuniv.edu](mailto:pwest@csuniv.edu).
3. Once I email you back you should be part of the CSU-CS organization and have access to the `csci-315-fall-2105` repository.
4. Fork the repository.
5. On you local machine checkout the repository: `$ git clone <url to your repository>`
6. Fix the bugs in lab00 (see below for more instructions.)
7. Run some tests to confirm everything is passing.
8. Mark your changes for commit: `$ git add helloworld.cpp main.cpp`
9. Commit your changes: `$ git commit`
10. Push your changes so I have access to them: `$ git push`

**Note:** A lot of instruction is missing from this assignment. Please refer to the class videos for more information.

This lab00 requires a function in `helloworld.cpp`:

```
1 /* This function shall return the string "Hello World!" */  
2 string getHelloMessage();
```

In addition, write a `main.cpp` file that takes an integer  $i$  as a parameter and prints the return of `getHelloMessage()`  $i$  times.

### Example Input 1:

```
$ ./helloworld 2
```

### Example Output 1:

```
Hello World!  
Hello World!
```

### Example Input 2:

```
$ ./helloworld -1
```

### Example Output 2:

### Example Input 3:

```
$ ./helloworld 1
```

**Example Output 3:**

Hello World!

**How to test:**

For all other assignments you are in charge testing. For lab00, a makefile with \*simple\* test cases has been written. Do a \$ make test to see the results of testing.

**Auto Grader:**

Remember, if you want the auto grader, please add a web hook to: <http://coins.csuniv.edu:2234/github/build-csci-315-fall-2016.php> in your *forked* repository.

**How to turn in:**

Turn in via GitHub. Ensure the file(s) are in your lab00 directory and then:

- \$ git add <files>
- \$ git commit
- \$ git push

**Due Date:** August 26, 2015 2359

**Teamwork:** No teamwork, your work must be your own.