

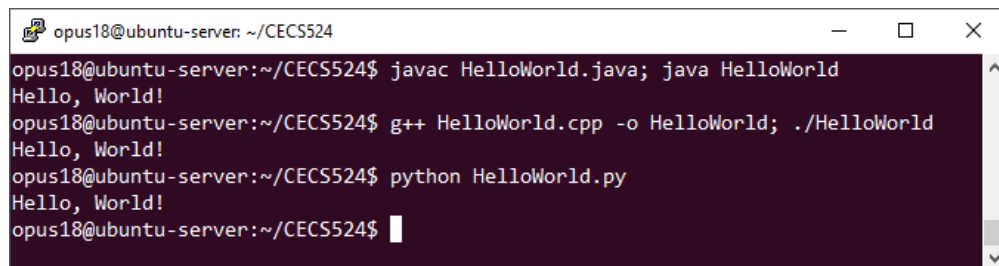
**CECS 524**  
**Assignment 2**  
**Total: 20 Points**

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General Instruction

- Submit your work in the Dropbox folder via BeachBoard (Not email or in class).
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1. (5 points) Set up a linux terminal environment in your work station. If you have it already, you can use it instead of installing a virtual machine.
  - i. Install VirtualBox.
  - ii. Install Ubuntu Server 18.04 as a guest OS.
  - iii. If your workstation would support 32-bit guest OS only, you might install 16.04.
  - iv. Access the server by using SSH client (eg. Putty).
2. (15 points) Write programs with the command line text editor vim.
  - i. Install vim using `sudo apt-get install vim`.
  - ii. Write HelloWorld programs in Java, C++, Python by using vim.
  - iii. Compile (if needed) and execute them.
  - iv. Submit a screen shot as Figure 1. (No source codes required.)
  - v. `javac HelloWorld.java; java HelloWorld`
  - vi. `g++ HelloWorld.cpp -o HelloWorld; ./HelloWorld`
  - vii. `python HelloWorld.py`



```
opus18@ubuntu-server: ~/CECS524
opus18@ubuntu-server:~/CECS524$ javac HelloWorld.java; java HelloWorld
Hello, World!
opus18@ubuntu-server:~/CECS524$ g++ HelloWorld.cpp -o HelloWorld; ./HelloWorld
Hello, World!
opus18@ubuntu-server:~/CECS524$ python HelloWorld.py
Hello, World!
opus18@ubuntu-server:~/CECS524$
```

Figure 1: Working example