CSC/CPE 203

Lab 0-Warm Up
Due: 9/29

Objectives

- To be able to translate a Python program to Java.
- To be able to develop and run a complete Java program.
- To be able to compile and run a Java program on unix1-4

Resources

1. Your text.
2. Your peers.
3. Your instructor.
4. The Java Standard Library - Bookmark this web page, you will be using the Java Standard Library documentation regularly this quarter.

Ground Rules

You may collaborate with your peers as much as you like on this lab. Labs are for your practice. Make sure you can do every lab!

Orientation – Explicit Types, semi-colons, and curly braces… oh my!

This lab is designed to highlight many of the differences between Python and Java. Many of the differences are purely syntactical. Other features, like for loops, function differently. If you are like me, you will need to get back in the habit of using your semi-colons!

Specification

1. Download and run lab00.py. Make sure you understand how everything in this file works. If you need help (or haven't learned Python) please ask. You will NOT be tested on Python but you will need to understand this file enough to write an equivalent java version.
2. You can use terminal or IntelliJ IDEA. To setup your IntelliJ follow the link on Canvas or watch the video.
2. Download Lab00.java. This file is incomplete and you will need to finish it. Translate the given Python file to Java. Please translate everything, including the comments!

   To compile your files on terminal, type:

   javac Lab00.java

   To run your code, type:

   java Lab00

Demo

Just demo your lab. Demonstrate your working program. Be prepared to show your source code. On the due day, your lab must be finished and ready for demo!

Rubric	**Points**		**Points**
1) Declaration	**10**	**6) Function char_count**	**25**
2) Print	**15**	**7) Comments**	**10**
3) Array	**10**		
4) Loops	**20**		
5) Call a function	**10**		