

Object-oriented Programming Language (Java)

HOMEWORK #1 ☺

This homework is Due in class on 3/3

1. Goal: Students will need to
 - Learn Java class syntax.
 - Learn how to compile and run Java programs in command prompt and IDE tool.
 - Install and use Java development kits (JDK) and write your first Java Program in any EDITOR (e.g. Notepad++ or wordpad) (see Part I).
 - Install NetBeans/Eclipse IDE and write the second Java program (see Part II & III).
2. Part I: Install JDK and write the first Java program:
 - Search jdk in Google search and download JDK 15 (or 8).
 - Install JDK in your PC.
 - Write a Java program that print “Good Morning, Java! “+your name.
 - Use >javac to compile your java program to .class file.
 - Use >java to execute your .class file.
 - Record each steps with “print screen” and put it in a MS word file.
 - Record lesson learned and conclusion.
3. Part II: Install NetBeans/Eclipse IDE and write the assigned Java programs in Part III:
 - Search “NetBeans/Eclipse IDE” in Google search and install the IDE in your computer
 - Record each steps with “print screen” and put it in a MS word file.
 - Record lesson learned and conclusion.
4. Part III: Do the following Java Assignments:
 - Create a Java Project
 - Write the following Java Assignments:
 1. Create a class containing an int and a char variables that are not initialized. Print their values to verify that Java performs default initialization.
 2. Write a program that prints three arguments taken from the command line. You'll need to index into the command-line array of Strings.
 3. Write a Java Class with 4 static functions: min(array of int), max, printArray and sort (bubble sort). You need to write a main function in the class to test the correctness of these functions.
 - Export your project in Zip format.
5. Hand in your homework assignment
 - **Zip your Java project and MS word report to a zip file (i.e. I2A01_hw1.zip)**
 - **Upload the zip file to tronCLass web under HW1.**