Notes 01

* Need text editor to write Java program (download notepad++)
  + Written code is called assembly code
* Set up Java Development Kit (JDK)
  + Need to compile and execute code
* Code to print simple text:

**public class firstProg**

**{**

**public static void main(String[]args)**

**{**

**System.out.println("Insert text here");**

**}**

**}**

* Compiling a program:
  + Translate assembly code into Java bytecode for computer to read
  + Install NppExec from Plugin Manager
    - Go to Plugins-> NppExec-> Execute
  + Command to compile program:

**//save the file**

**NPP\_SAVE**

**//change to the current directory**

**cd "$(CURRENT\_DIRECTORY)"**

**//tell notepad ++ where java is**

**C:\Program Files\Java\jdk1.8.0\_05\bin\javac $(FILE\_NAME)**

* Save command as “JAVACOMPILE”
* Executing a program:
  + JVM (Java Virtual Machine) reads the bytecode and translates it into machine code for the computer to understand
  + Command to execute program: (same thing as compile but change the last line to:)

**C:\Program Files\Java\jdk1.8.0\_05\bin\java $(NAME\_PART)**

* + Save command as “JAVAEXECUTE”
* Yay!
* Use escape commands when needed in text, e.g.:
  + \” to add “
  + \’ to add ‘
  + \\ to add \

More here: <http://docs.oracle.com/javase/tutorial/java/data/characters.html>