Assignment 3

Due: 10/2/15 at 11:59PM

Recall that we previously discussed variables, variable types, variable naming, naming conventions, and last but not least—how to comment your code and why it is important.

I'll keep this assignment short and simple because I have midterms this week and also because this topic isn't very difficult in general. So this homework shouldn't take you very long.

Submit your homework in word/text file of your choosing. Make sure you follow the instructions from my previous email to upload them onto Github.

Part 1 – Definitions

Define the following variable types and **give an example** of how one would use them in a java program (you can use google to help you, but make sure you define in them in your own words—believe, me ill know the difference).

Boolean

Int

Long

Char

String

Double

Part 2 – Differentiating Variable Types

Recall that there are three variable types:

- Static
- Local
- Parameter

There are a bunch of variables defined in the Java code below. Make a list of all of them and tell me what type they are.

```java
public class Assignment3Code {


        public static void main () {              //main method
                int var1;

                int numExpress;


        }


class encode {


        static int numChars;

        char symbol;

        double runtime;
}
```

```
public static void encryptCode (char symbol, String decrypter) {

        int var2;

        static long digitDecoder;

}
```

Part 3 – Commentary Usage

For this part, I just want you to write a paragraph or list explaining to two methods of commenting, and how each is useful for a particular task.