Class 1 Homework

Write the commands needed for the following questions

- 1. If I have a Java file named HelloWorld.java, how would I compile it?
- 2. After I compiled the file mention in the previous question, how can I execute it?

Answer True or False

```
1. 2 == 2
```

- 2. 1 > 1
- 3. 2 >= 1
- 4. 2 >= 2
- 5. 2 >= 3

What do the following print?

```
    System.out.println(2 + "bc");
    System.out.println(2 + 3 + "bc");
    System.out.println((2+3) + "bc");
```

- 4. System.out.println("bc" + (2+3));
- 5. System.out.println("bc" + 2 + 3);

Describe what happens if, in HelloWorld.java, you omit

- 1. main
- 2. String
- 3. HelloWorld
- 4. System.out
- 5. println

Describe what happens if, in HelloWorld.java, you omit

```
1. the ;
```

- 2. the first "
- 3. the second "
- 4. the first {
- 5. the second {
- 6. the first }
- 7. the second }

Describe what happens if, in HelloWorld.java, you misspell (by, say, omitting the second letter)

- 1. main
- 2. String
- 3. HelloWorld
- 4. System.out
- 5. println

I typed in the following program. It compiles fine, but when I execute it, I get the error java.lang.NoSuchMethodError: main. What am I doing wrong?

```
public class Hello {
  public static void main() {
    System.out.println("Doesn't execute");
  }
}
```

What do I need to do to fix it?

What is the result of the following program?

```
public class Test {
  public static void main(String[] arg) {
    System.out.println(10.0 / 3.0);
    System.out.println(10 / 3.0);
    System.out.println(10.0 / 3.0);
    System.out.println(10 / 3);
}
```

Write the following programs

Hello

Write a program that prints "Hello, my name is Marcos". Just make sure to use your name instead of mine.

Data Types

Write a program that uses each of the data types that we presented in class.

Operators

The program below is displaying the results for the result of a > operator. Do the same for the rest of the operators we covered in class.

The example below declared a variable and prints out the result in a human friendy way. You should do the same for the operators that you use. For example, when you add the < operator, declare a variable the holds the result and add a print statement detailing what was checked and what the result is.

```
public class Operators {
  public static void main(String[] args) {
    boolean is5GreaterThan5 = 5 > 5;

    System.out.println("Is 5 greater than 5? " + is5GreaterThan5);
  }
}
```

User Input

In class we wrote a program that accepted a single argument and printed a string that used that argument. Write a program that accepts three arguments and prints a string that uses all of them. (Hint: Remember that user input is an Array)