CMPE 101 - Intermediate Programming

Worksheet(Week-03A)

Part I

In this part you will do some exercises about the String class. Write all these statements in the main method and test your answer?

```
What is the output produced by the following?

String verbPhrase = "is money";
System.out.println("Time" + verbPhrase);

String test = "abcdefg";
System.out.println(test.length());
System.out.println(test.charAt(1));

String test2 = "abcdefg";
System.out.println(test.substring(3))

System.out.println("abc\ndef");
System.out.println("abc\\ndef");

String test3 = "Hello Tony";
test4 = test3.toUpperCase();
System.out.println(test4);

System.out.println("2 + 2 = " + (2 + 2));
System.out.println("2 + 2 = " + 2 + 2);
```

Part II

In this part you will do some exercises about boolean variable. Write all these statements in the main method and test your answer?

```
int a=5;
int b=12;

System.out.println(a>b);
System.out.println(a>=b);
System.out.println(a<b);
System.out.println(a<=b);
System.out.println(a==b);
System.out.println(a!=b);

// can you execute following statements, explain if you can't

System.out.println(a=b);
System.out.println(a=>b);
System.out.println(a=<b);
System.out.println(a=!b);

boolean flag= a==b;
System.out.println(flag);

int flag2= a-b;
System.out.println(flag2);

boolean flag3= a!=b;
System.out.println(flag3)

//What output will be produced by the following code?

int extra = 2;
if (extra < 0)
      System.out.println("small");
else if (extra == 0)
      System.out.println("medium");
else
      System.out.println("large");

// set extra to different numbers such -10, 45 different numbers and execute again.
```

Part III

Write a method that takes three integer numbers, and returns the biggest numbers as a result. Don't use, Math.max()and Math.min() methods.