CMPE 101 - Intermediate Programming

Worksheet(Week-03C)

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 name = "is Ali Baba";
System.out.println("My name " + name);

String test = "abcdefghijcklamen";
System.out.println(test.length());
System.out.println(test.charAt(7));

String test2 = "abcdefgxcvthg";
System.out.println(test.substring(5))

System.out.println("abc123\ndef456");
System.out.println("abc678\\ndef7777");

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

System.out.println("10 + 2 = " + (10 + 2));
System.out.println("10 + 2 = " + 10 + 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?

```java
int a=50;
int b=-5;

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 = 20;
if (extra < 10)
      System.out.println("small");
else if (extra == 10)
      System.out.println("medium");
else
      System.out.println("large");

// set extra to different numbers such -100, 5 different numbers and execute again.
```

Part III

Write a method that takes three integer numbers, and returns sum of biggest and smallest two numbers. Don't use, Math.max()and Math.min() methods.