

CMPE 101 - Intermediate Programming

Worksheet(Week-03B)

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 mySchool = "is Bilgi";  
System.out.println("My university" + mySchool);
```

```
String test = "abcdefghijk";  
System.out.println(test.length());  
System.out.println(test.charAt(5));
```

```
String test2 = "abcdefgxyv";  
System.out.println(test.substring(4))
```

```
System.out.println("abcmn\ndefert");  
System.out.println("abcaa\\ndefrtb");
```

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

```
System.out.println("4 + 6 = " + (4 + 6));  
System.out.println("4 + 6 = " + 4 + 6);
```

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=50;
int b=120;
```

```
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 = 5;
if (extra < 2)
    System.out.println("small");
else if (extra == 0)
    System.out.println("medium");
else
    System.out.println("large");
```

// set extra to different numbers such -20, 15 different numbers and execute again.

Part III

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