CMPE 101 - Intermediate Programming

Worksheet(Week-05B)

Part I

Rewrite the following nested **for** statements, using nested **do-while** and **while** statements.

```
total=0;
numbers=0;
for (int i=10; i<=20; i++){

   for( int j=20; j<= i; j--) {
     numbers++;
     total=total + (j-i);

   }
}
```

Part II

Write a method that takes two integer numbers, m and n, as parameters, and returns averages of all numbers, between m and n, that they can be divided by 3 without a reminder.

Part III

```
class Santral {
 private String title;
 private int age;
 private double area;

}

public static void main( String [ ]args) {
```

```
        // write constructors that you can create instanes as following:

        Santral s= new Santral("Bursa");
        Santral s1= new Santral("Edirne", 1997);
        Santral s2= new Santral("Bilgi", 3000, 23.57);
        Santral s3= new Santral();

        System.ourt.println(s);
        System.ourt.println(s1);
        System.ourt.println(s2);
        System.ourt.println(s3);

    } // end of the main
// end of the class
```

Bonus Question:

Write a new class and try to execute following code segment, suppose you have the **Santral** class.

```
 class Test {
    public static void main( String [ ]args) {

     // write constructors that you can create instanes as following:


        Santral s= new Santral("Bursa");
        Santral s1= new Santral("Edirne", 1997);
        Santral s2= new Santral("Bilgi", 3000, 23.57);
        Santral s3= new Santral();

        System.ourt.println(s);
        System.ourt.println(s1);
        System.ourt.println(s2);
        System.ourt.println(s3);

    } // end of the main

 }// end of the class
```