# CMPE 101 - Intermediate Programming

Worksheet(Week-05D)

## Part I

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

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

   for( int j=-30; j<= i; j--) {
     numbers++;
     sum=sum + (j-i);

   }
}
```

## Part II

Write a method that takes two integer numbers, m and n, as parameters, and returns averages of all **odd** numbers between m and n.

## Part III

```
class Kustepe {
 private String city;
 private int population;
 private double area;

}

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

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

      Kustepe k= new Kustepe("Kustepe");
      Kustepe k1= new Kustepe("Izmir", 2000);
      Kustepe k2= new Kustepe(" Ankara", 4000, 230.57);
      Kustepe k3= new Kustepe();

      System.ourt.println(k);
      System.ourt.println(k1);
      System.ourt.println(k2);
      System.ourt.println(k3);

   } // 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 **Kustepe** class.

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

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



      Kustepe k= new Kustepe("Kustepe");
      Kustepe k1= new Kustepe("Izmir", 2000);
      Kustepe k2= new Kustepe(" Ankara", 4000, 230.57);
      Kustepe k3= new Kustepe();

      System.ourt.println(k);
      System.ourt.println(k1);
      System.ourt.println(k2);
      System.ourt.println(k3);

   } // end of the main

}// end of the class
```