1) Write a Java class that prints the following. (10 points) Hola mundo!

```
public class Hello{ public static main void (String[]
    args){
      System.out.println("Hola mundo!");
      }}
```

2) Write a method named ”counter” that takes two integers, A and B, and prints the numbers from A to B. (20 points)

```
public static void counter(int a,int b){
 for (int i=0;i<b-a+1;i++){
                System.out.println(a+i);}
                }
```

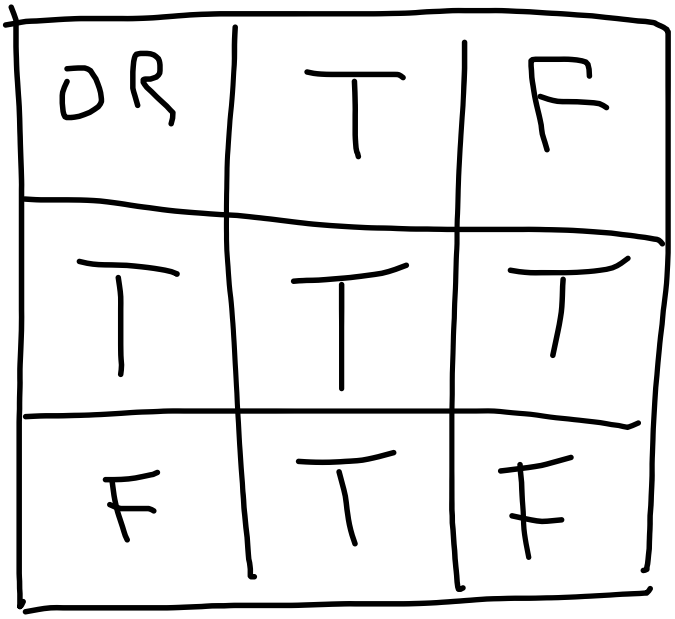
3) Write some Java code that will fill an array with the numbers from 10 to 100. (20 points)

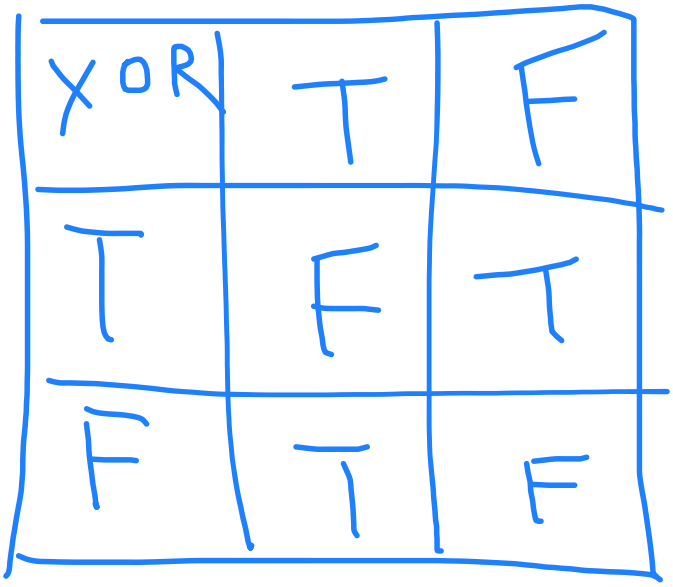
```
int[]Team= new int[91]; for(inti=0;i<91;i++){
     Team[i]=i+10;}
```

4) Write a method named” average” that will return the average value of an integer array. It should return a double. (20 points)

```
public static double average(int[] Team){ int sum;
    for (int i=0;
    i<Team.length;i++){ sum=sum+Team[i];}
    double avg; avg=((float)sum)/Team.length;
    return avg;}
```

5) Draw the truth table for OR and XOR. (10 points)





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6) Write a method for the XOR operator named "xor". It should take two booleans as arguments and return a boolean. (20 points)

```
public static boolean
    XOR(booleanA,booleanB){ if(A==B){ return false;}
    else{ return true;}
    }
```

7) Explain how to compile and run a program "hello.java" from the command line. (10 points)

java c hello.java java hello