

- 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)

OR	T	F
T	T	T
F	T	F

XOR	T	F
T	F	T
F	T	F

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
```

