Spring: Exam 1

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

```
Hola mundo!
```

```
public class Hello {
    public static main void (String[] avgs){
        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 (int i = 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

[NO.1]

XOR	T	F
T	F	T
F	T	F

[NO.2]

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 (boolean A, boolean B){
    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
```