

Spring: Exam 1

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

```
Hola mundo!

public class Hello
{

    public static void main(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 (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)

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

OR	T	F
T	T	T
F	T	F

Figure 1: NO. 1

XOR	T	F
T	F	T
F	T	F

Figure 2: NO. 2