

Spring: Exam 1

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

Hola mundo!

```
public class Hola
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)
if (a<b)
for (int i=a;i<=b;i++){
System.out.println(i);}
```

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

```
int[] non=new int[91];
for(int i=0;i<91;i++){
non[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[] ints)
int sum=0
```

```
for(int i=0,;< ints,length; i++){  
    interger sum=sum+name[i];}  
return(floot)sum)name.length;
```

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}  
    return (a&&b)) &&(a,b)
```

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

```
java hello. java > compile  
java hello > class
```