

Spring: Exam 1

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

Hola mundo!

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

- 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 counter(int a, int 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 [] arr= new arr[91];  
for(int i=0; i<91;i++){  
    arr[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[] arr){
```

```

double sum = 0;
for(int i=0; i< arr.length;i++){
    sum = sum + arr[i];
return sum/arr.length:
}
}

```

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

```

_or_|__true__|__false__
_true_|__true__|__true__
_false_|__true__|__false__

```

```

_xor_|__true__|__false__
_true_|__false_|__true__
_false_|__true__|__false__

```

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)
boolean c=!(a&&b)&&(a|b));
return c;

```

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