Coding Test 2

//Q.1) Find factorial of a number using Recursive function

```
public class Pgm1 {
public static int fact(int n) {
        int f;
        if(n==1 || n==0) {
                return 1;
        }
        else {
                f=n * fact(n-1);
        }

        return f;
}
public static void main(String args[]) {
        int result = fact(5);
        System.out.println("Factorial is"+result);
}
}
```

Q.2 Find Fibonacci series in following pattern

//1
//2 3
//5 8 13

```
public class Pgm2 {
 public static void main(String args[]) {
         int n=3;
         int a=0, b=1;
         for(int i=1;i<=3;i++) {
                 for(int j=1;j<=i;j++) {
                         int c = a + b;
                         System.out.print(c+" ");
                         a = b;
                         b = c;
                 }
                 System.out.println();
         }
 }
}
```

Q.3 Solve following pattern

i. 3
323

32123
323
3

ii. ***
**
*

```
public class Pgm3 {
public static void main(String args[]) {
        for(int i=3 ; i>=1 ;i--) {
                for(int j=1;j<=i;j++) {
                        System.out.print("*");
                }
                System.out.println();
        }


}
}
```

Q.4) Print binary of a number in reverse order eg. Input 4 O/P 0 0 1

```
public class Pgm4 {
public static int ConvertToBinary(int n) {
        if(n==0) {
                System.out.println("0");
                return 0;
        }
        while(n>0) {
        int rem = n % 2;
        n/=2;
        System.out.print(rem+" ");
        }
        return 0;

}
public static void main(String args[]) {
        int result = ConvertToBinary(4);

}
}
```