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

```
import java.util.Scanner;

public class test2 {

	public static int fact(int no) {

		int f = 1;

		if (no == 1 || no == 0) {
			return 1;
		} else {
			f = no * fact(no - 1);
			return f;
		}
	}

	public static void main(String[] args) {

		Scanner sc = new Scanner(System.in);
		System.out.println("Enter: ");
		int num = sc.nextInt();

		System.out.println(fact(num));

	}

}
```

Q.2) Find Fibonacci series in following pattern

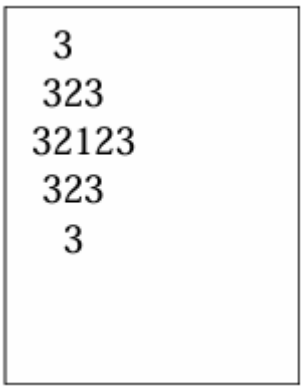
1
2 3
5 8 13

```
public class test2 {

	public static void main(String[] args) {

		int n=3;
```

```
            int a=0,b=1;

            for(int row=1;row<=n;row++) {
                for(int col=1;col<=row;col++) {
                    int c=a+b;
                    System.out.print(c+" ");
                    a=b;
                    b=c;
                }
                System.out.println();
            }
        }

}
```

Q.3) Solve following pattern


```
import java.util.Scanner;

public class test2 {

    public static void main(String[] args) {

        for (int i = 1; i <= 3; i++) {
            for (int j = 3; j >= i; j--)
                System.out.print("*");
            System.out.println();
        }

    }

}
```




```
import java.util.Scanner;

public class test2 {

	public static void main(String[] args) {

		for(int i= 3; i>=1;i-- ) {
			for(int s= i-1;s>=0 ;s-- )
			System.out.print(" ");
			for(int j= i;j>=1 ;j-- )
				System.out.print(j);
			System.out.println();
		}

	}

}
```

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

```
import java.util.Scanner;

public class test2 {

	public static void revbin(int no) {

		String binary = " ";

		if (no == 0)
			System.out.print(0);
```

```
		while (no > 0) {
			int bin = no % 2;
			no = no / 2;
			binary = binary+ bin;
		}
		System.out.print(binary);
	}

	public static void main(String[] args) {

		Scanner sc = new Scanner(System.in);
		int num = sc.nextInt();

		revbin(num);

	}

}
```