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PRN:064

Q1.

```java
package demo1;


import java.util.Scanner;


public class pa8 {
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
int n=sc.nextInt();
int result=fact(n);
System.out.println(result);
}
public static int fact(int x) {
        int f;
        if(x==1||x==0)
                return 1;
        else {
                f=x*fact(x-1);
                return f;
        }
}
```


Q2.

```java
package demo1;


import java.util.Scanner;


public class T7 {
```

```java
        public static void main(String[] args) {

                Scanner sc = new Scanner(System.in);

                int n=sc.nextInt();

                int a=0,b=1;

                for(int i=1;i<=n;i++) {

                        for(int j=1;j<=i;j++) {

                                int c= a+b;

                                System.out.print(c);

                                a=b;

                                b=c;

                        }


                System.out.println();


        }
        }
}
```

Q3.

```java
package demo1;

public class T8 {

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

```java
                    System.out.println();

            }


        }


}




Q4.


package demo1;


import java.util.Scanner;


public class pa10 {


        public static void main(String[] args) {

                    Scanner sc = new Scanner(System.in);

                    System.out.println("Enter a number:");

                    int num=sc.nextInt();

                    if(num==0) {

                            System.out.print("0");

                    }
while(num>0) {

        int bit = num%2;

        System.out.print(bit+ " ");

        num=num/2;

}

        }


}
```