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

```java
package Test2;

public class Question1 {
static int fact(int s) {
int a;
if (s == 1 || s == 0)
return 1;
else {
a = s*fact(s-1);
}
return a;
}

public static void main(String[] args) {
int a=5;
int res=fact(a);
System.out.println(res);
}
}
```

Q.2) Find Fibonacci series in following pattern
1
2 3
5 8 13

```java
package Test2;

public class Question2 {
public static void main(String[] args) {
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();
}
}
}
```

```java
package Test2;

public class Question3 {
public static void main(String[] args) {
for(int i=3;i>=1;i--){
for(int s=i-1;s>=1;s--){
System.out.print(" ");
}
for(int j=3;j>=i;j--){
```

```java
        System.out.print(j);
        }
        for (int r = 3; r<=2-i ; r++) {
        System.out.print(r);
        }

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

```java
package Test2;

public class Question3second {
public static void main(String[] args) {
for(int i=3;i>=1;i--){
for(int j=i;j>=1;j--){
System.out.print("*");
}
System.out.println();
}
}
}
```

```java
package Test2;

public class Question4 {
public static void main(String[] args) {
int num=4;
while(num!=0){
int dig=num%2;
System.out.print(dig+" ");
num=num/2;
}
}
}
```