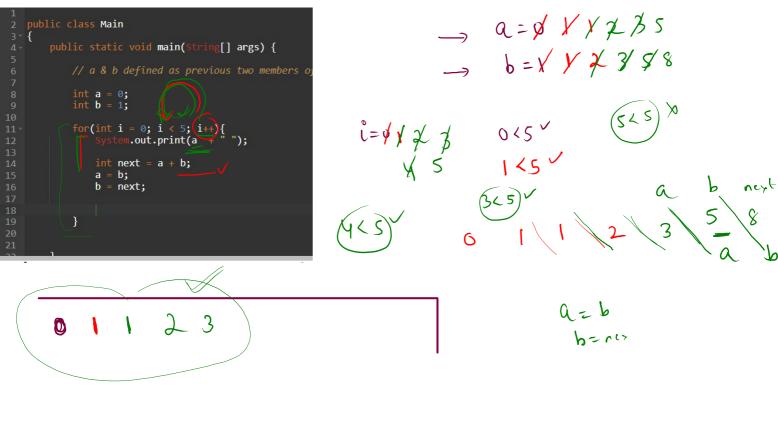
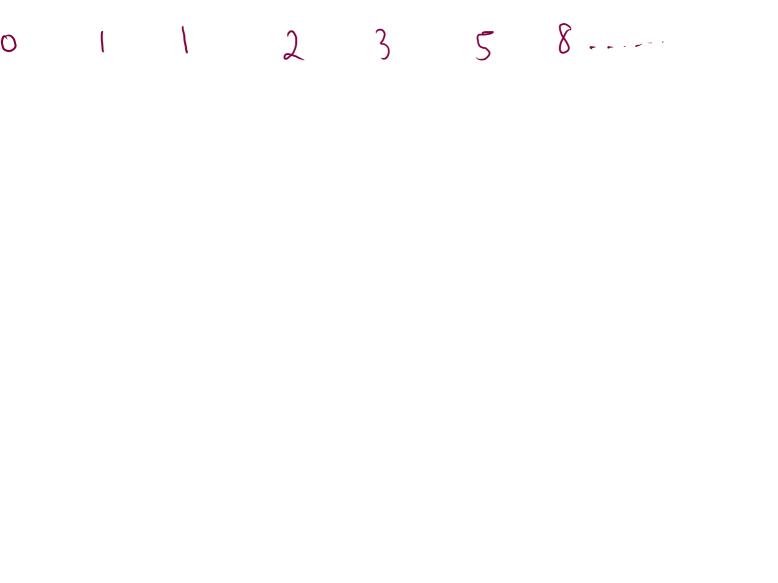
$$\left(\overline{T_n}\right) = \overline{T_{n-1}} + \overline{T_{n-2}}$$





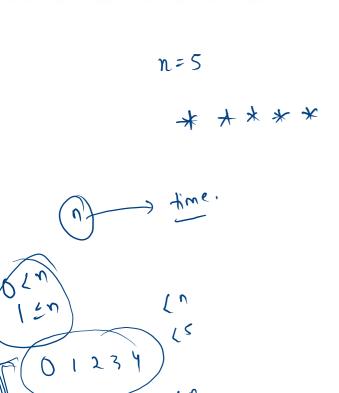
Mn Tribonacci

```
Tn = Tn-1 + Tn-2 + Tn-3
```

```
1 import java.io.*;
 2 import java.util.*;
 3
 4 public class Solution {
 5
       public static void main(String[] args) {
                                                                                     V = 0
           Scanner scn = new Scanner(System.in);
          int n = scn.nextInt();
          // a & b defined as previous two members of the series
10
11
          int a = 0;
12
          int b = 1;
13
          int c = 1;
14
15
          for(int i = 0; i < n; i++){
16
               int next = a + b + c;
17
               a = b;
18
               b = c;
19
               c = next;
20
21
22
23
          System.out.print(a + " ");
24
```

\*\*\*\* \*\*\*\* \*\*\*

## Pattern 1 - Print Stars in same line



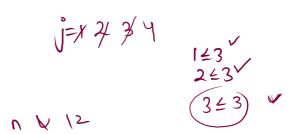
L 345

```
* * *
import java.io.*;
import java.util.*;
public class Solution {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
        for(int i = 1; i <= n; i++){
            System.out.print("*");
```

n=3

n= 4

Nested loops loop invide loop.







```
4 public class Solution {
       public static void main(String[] args) {
            Scanner scn = new Scanner(System.in);
            int n = scn.nextInt();
10
11
12
13
14
15
16
17
18
19
20
21
22
            // n is total number of stars each line
            for(int i = 1; i \le 12; i++){
                for(int j = 1; j \le n; j++){
                     System.out.print("*");
                System.out.println();
```

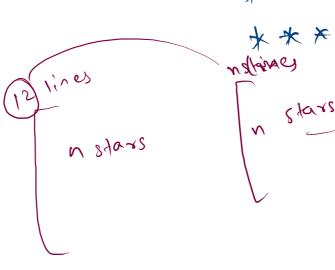
## Pattern 3 - nxn star rectangle

Problem Submissions Leaderboard Discussions

Take **n** as an integer input. Then print **nxn** star **rectangle** as mentioned below.

In each line, n stars should be printed.

And there should be **n** such lines.



n=3

h= y

\*\*\*\* \*\*\*\* \*\*\*\*

```
1 import java.io.*;
  import java.util.*;
 4 public class Solution {
5
 6
       public static void main(String[] args) {
7 8 9
           Scanner scn = new Scanner(System.in);
           int n = scn.nextInt();
10
           // n is total number of stars each line
11
12
           for(int i = 1; i \le n; i++){
13
14
               for(int j = 1; j \le n; j++){
                   System.out.print("*");
15
16
17
               System.out.println();
18
19
20
21
22
23 }
```