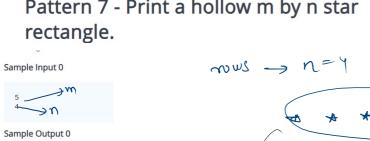
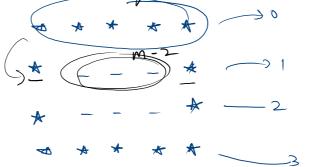


star= X 3 X -1 space = n-1 = x X x Y X 3 Pattern 7 - Print a hollow m by n star







8

A

*

6

9

10 11

12 13

14 15

16 17

18

19

21

23

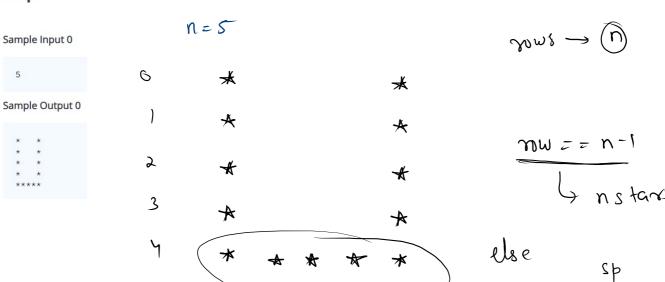
24 25 26

27 28

29 }

N-1=3

Pattern 8 - Print a hollow square without top



```
1 import java.io.*;
2 import java.util.*;
4 public class Solution {
 6
      public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
 9
           int n = scn.nextInt();
11
           for(int row = 0; row < n; row++){
12
               if(row == n-1){
13
                   //print Nstars
14
                   for(int st = 0; st < n; st++){
15
                       System.out.print("*");
16
17
               }else{
18
                   //* M-2 sp *
19
                   System.out.print("*");
20
                   for(int sp = 0; sp < n-2; sp++){
21
                       System.out.print(" ");
22
23
                   System.out.print("*");
24
25
26
               System.out.println();
27
28
```

Pattern 9 - Square Ladder with top and bottom

 $\int_{S} n = S$

Take **n** as an integer input, then

print **n** tab separated stars in the first line,

then in the second line print a $\underline{\text{star}},$ then n-2 tabs, then print a star.

then print **n** tab separated stars in the third line.

then in the **fourth** line print a star, then **n-2** tabs, then print a star.

Example: n=5

Pattern will be:



$$70W \rightarrow even \rightarrow n star$$

 $0dd \rightarrow a n-2 +$



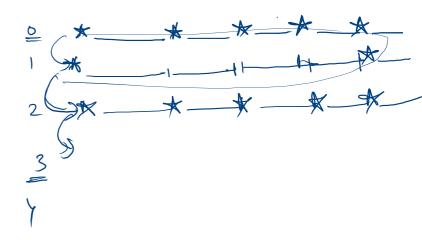




```
1 import java.io.*;
2 import java.util.*;
 4 public class Solution {
      public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
       int n = scn.nextInt();
           for(int row = 0; row < n; row++){</pre>
10
             rif(row % 2 == 0){ // n star
11
                   for(int i = 0; i < n; i++){
12
                       System.out.print("*\t");
13
14
           A_}else{
15
                   System.out.print("*\t");
16
                   for(int i = 0; i < n-2; i++){
17
                       System.out.print("\t");
18
19
                   System.out.print("*\t");
20
21
               System.out.println();
22
23
      }
```

24 }

$$V = 2$$



$$f(x) = x$$

$$f(3) = 9$$

$$f(x,y) = 2x + y$$

$$(x-5) = (3)$$

$$x = 3$$

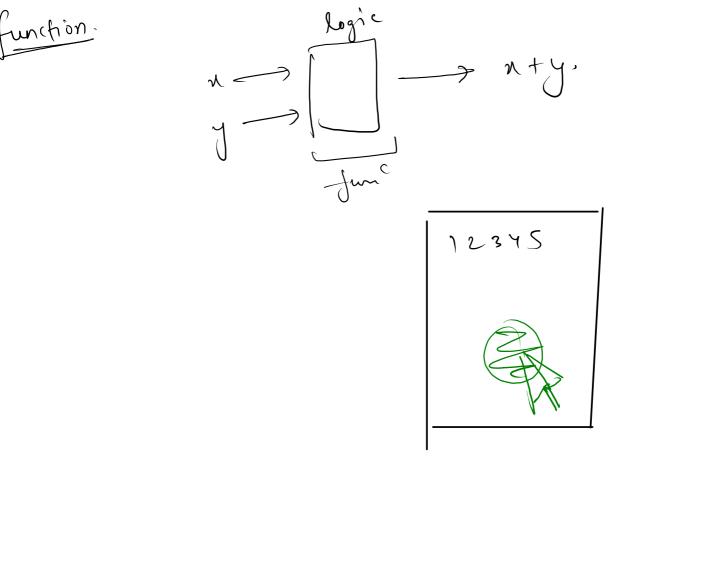
$$f(3) = 9$$

$$f(x,y) = 2x+y$$

$$(x=5) = (3)$$

$$y=3$$

function)			
	block of co	de o/p.	small pas	nt of program
	logic.		-> particular task.	



```
wde S!
```

```
public class Main

public static void main(String[] args) {
    int val = 3;
    int ans = 1;
    for(int i = 1; i <= val; i++){
        ans = ans * i;
    }
    System.out.println(ans);
}

System.out.println(ans);
}
</pre>
```

Void McD McD: 00 Money return

no i/p / void

```
1 import java.util.";
2 public class Main
3 {
4
5     public static void myself(){
6         System.out.println("52");
8         System.out.println("Delhi");
9         System.out.println("Pizza");
10     }
11
12
13     public static void main(string [] args){
14         mySelf();
15
16
17
```

parameter/ void.