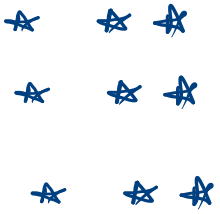
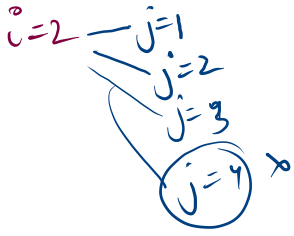
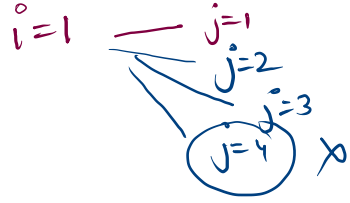
n x n

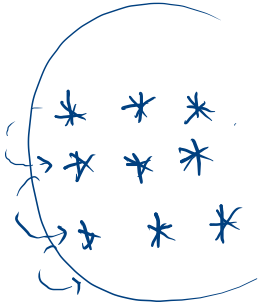


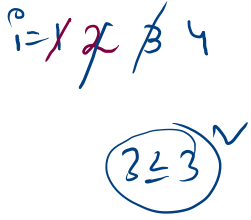
n=3



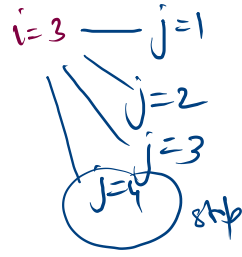


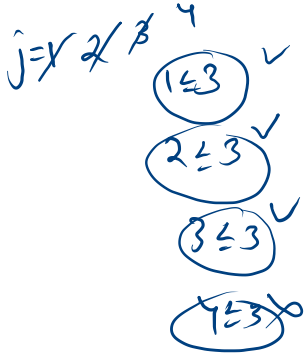

```
11
12  for(int i = 1; i <= n; i++){
13
14      for(int j = 1; j <= n; j++){
15          System.out.print("*");
16      }
17      System.out.println();
18
19  }
20
```



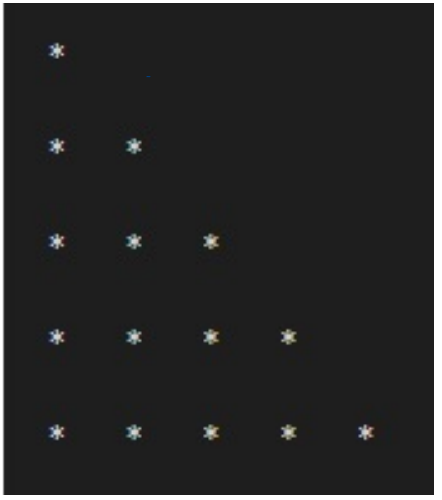


n=3





Patterns.



row 1 = 1

row 2 = 2

row 3 = 3

row) +1

) +1

1. rows!

2.

```java
    public static void main(String[] args) {
        int star = 1;
        for(int i = 1; i <= star; i++){
            System.out.print("*");
        }
        star++;
        System.out.println();
        for(int i = 1; i <= star; i++){
            System.out.print("*");
        }

    }
}
```

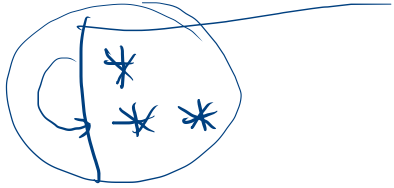
star=✗2

i=✗✗3

1≤2 ✓

2≤2 ✓

3≤2 ✗



```java
{
    public static void main(String[] args) {
        int star = 1;

        for(int row = 1; row <= 5; row++){
            for(int i = 1; i <= star; i++){
                System.out.print("*");
            }
            star++;
            System.out.println();
        }


    }
}
```

```java
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
        int star = 1;


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

            for(int cst = 1; cst <= star; cst++){
                System.out.print("* ");
            }
            star++;
            System.out.println();

        }


    }
}
```

2 - 2

generic code

Pattern 5.

n = 5

row = n

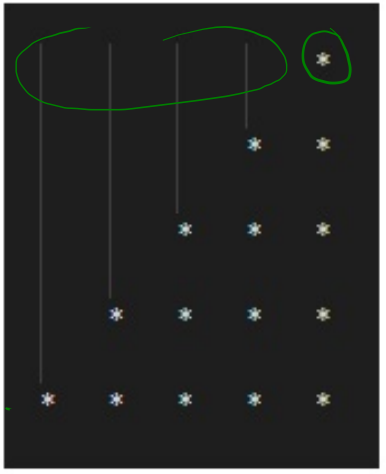
star = 1

space = n-1

space--

after each row

↳ star++



Pattern - 5

no doubts for next 5 mins.

```java
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();

    int star = 1;
    int space = n-1;

    for(int row = 1; row <= n; row++){
        //space
        for(int csp = 1; csp <= space; csp++){
            System.out.print(" ");
        }
        //star
        for(int cst = 1; cst <= star; cst++){
            System.out.print("*");
        }


        star++;
        space--;
        System.out.println();

    }
}
}
```

n=4

star = 1 2 3 4 5

space = 3 2 1 0 -1

cst = 1 2 3 4 5

cst <= 4

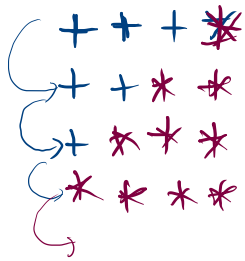
1 <= 4 ✓

2 <= 4

3 <= 4

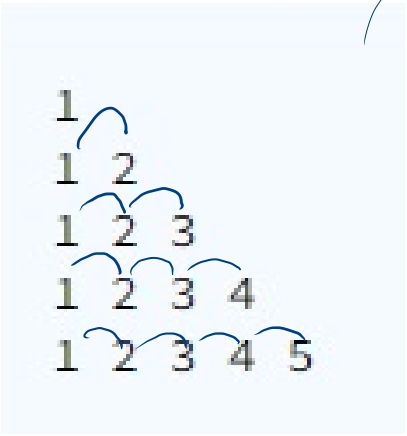
4 <= 4

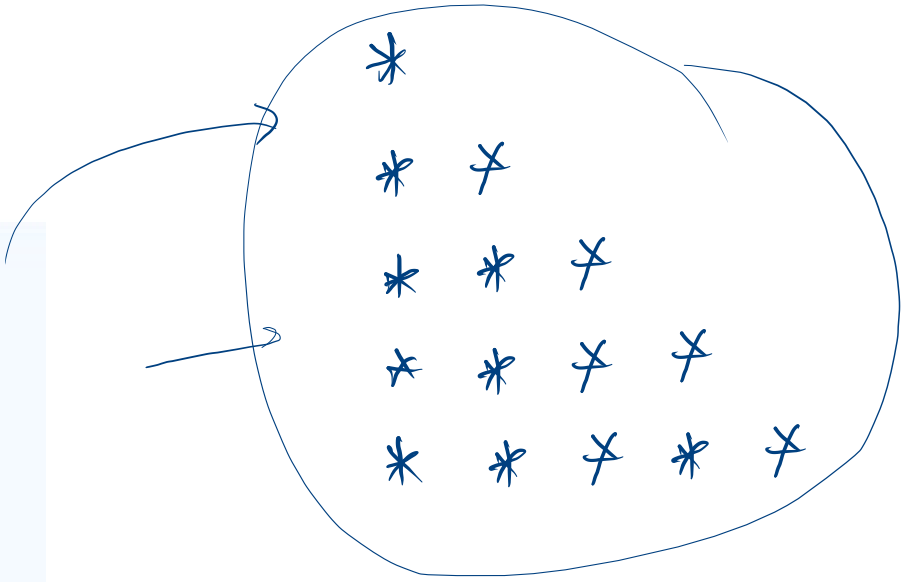
5 <= 4 ✗



Pattern - 2.

basic code. ✓





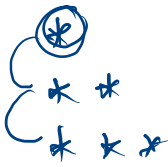
val = 1

each row

↳ val val++

Pattern - (2)

n = 3.




```
8       int n = scn.nextInt();
9       int star = 1;
10
11
12      for(int row = 1; row <= n; row++){
13
14          //each row
15          int val = 1;
16          for(int cst = 1; cst <= star; cst++){
17              System.out.print( val + " ");
18              val++;
19          }
20          star++;
21          System.out.println();
22
23      }
24
25
26  }
27  }
```

1

1 2

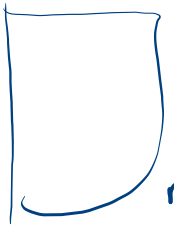
1 2 3

Pattern -7

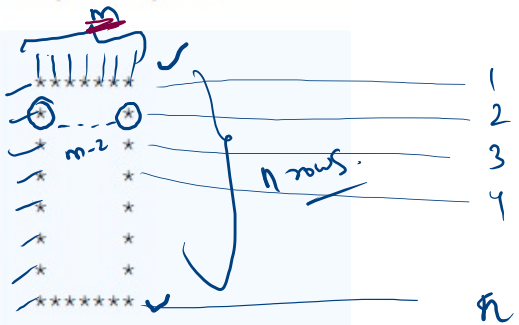
Sample Input 1

```
7
8
```

m
n

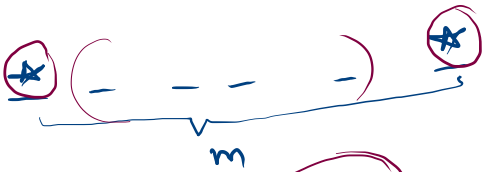


Sample Output 1

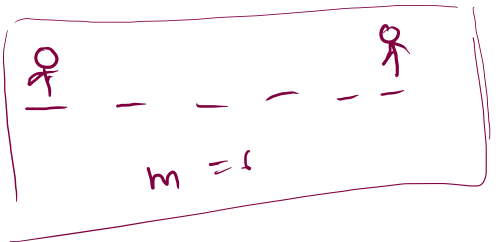


Same { row = 1 row n

Same { rest



m - 2



m - 2

m

```java
public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int m = scn.nextInt();      //cols
        int n = scn.nextInt();      //row
        for(int row = 1; row <= n; row++){
            if(row == 1 || row == n){
                //m stars
                for(int cst = 1; cst <= m; cst++){
                    System.out.print("*");
                }
            }
            else{
                System.out.print("*");
                for(int csp = 1; csp <= m-2; csp++){
                    System.out.print(" ");
                }
                System.out.print("*");
            }

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

Pattern 8 - Print a hollow square without top

Problem | Submissions | Leaderboard | Discussions

Take an integer input **n** and then print a hollow **n** by **n** square without the top.

Print as given in the conditions below:

In the first line there will a star , followed by **n-2** spaces and then there will be a star again,

Just like above, there will **n-1** lines and then

in the last line there will be **n** stars.

n = 5

Sample Output 0

```
*   *
*   *
*   *
*   *
*****
```

n = 7

mple Outpu

```
*     *
*     *
*     *
*     *
*     *
*     *
*******
```

```java
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);

        int n = scn.nextInt();
        for(int row = 1; row <= n; row++){
            if(row == n){
                //n stars
                for(int cst = 1; cst <= n; cst++){
                    System.out.print("*");
                }
            }
            else{
                System.out.print("*");
                for(int csp = 1; csp <= n-2; csp++){
                    System.out.print(" ");
                }
                System.out.print("*");
            }

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

```java
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 row = 1; row <= n; row++){
            if(row == n){
                //n stars
                for(int cst = 1; cst <= n; cst++){
                    System.out.print("*");
                }
            }
            else{
                System.out.print("*");
                for(int csp = 1; csp <= n-2; csp++){
                    System.out.print(" ");
                }
                System.out.print("*");
            }

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