

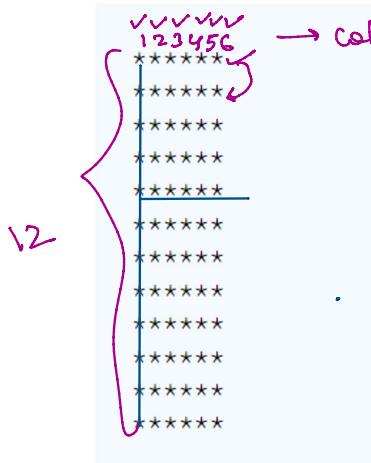
- \* outer for loop → rows ✓
- \* inner for loop → columns ✓

Sample Input 0



```
for (int i=1 → 12 ; i++)  
    for ( int i=1 ; i ≤ n ; i++)  
        System.out.println();
```

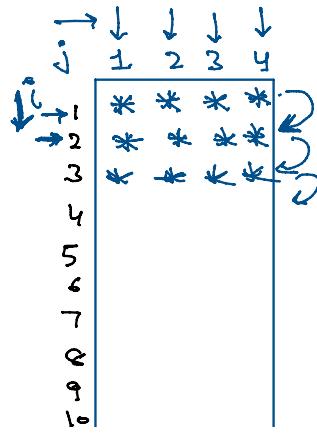
Sample Output 0



→ col → inner  
print → enter line  
vertical → columns  
horizontal → rows

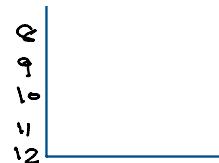
```
Scanner scn = new Scanner(System.in);  
int n = scn.nextInt();  
int i = 1;  
while( i <=12 ){  
    int j = 1;  
    while( j <=n ){  
        System.out.print("*");  
        j++;  
    }  
    System.out.println();  
  
    i++;  
}
```

```
Scanner scn = new Scanner(System.in);  
int n = scn.nextInt();  
for(int i =1; i <=12 ; i++){  
    for(int j = 1; j<=n ; j++){  
        System.out.print("*");  
    }  
    System.out.println();  
}
```



i = 3  
j = 1 2 3 4 5

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



## Sample Input 0



## Pattern 3 - nxn star rectangle

Problem

Submissions

Leaderboard

Discussions

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

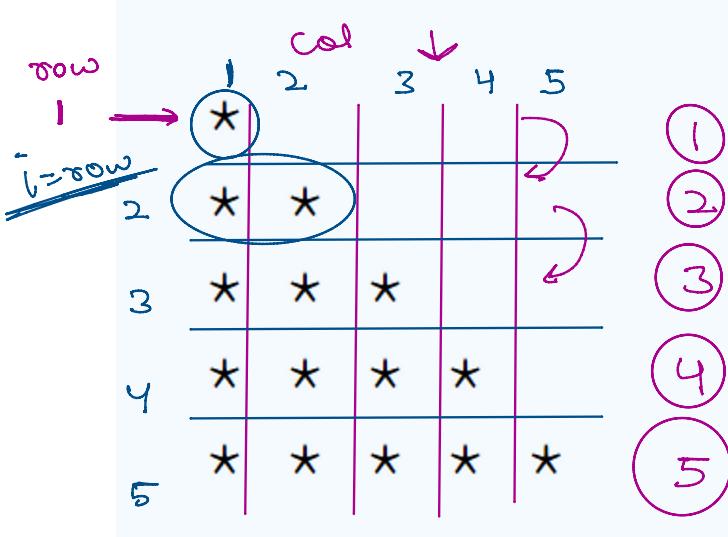
In each line, n stars should be printed.

And there should be n such lines.

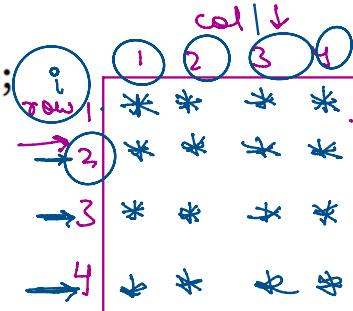
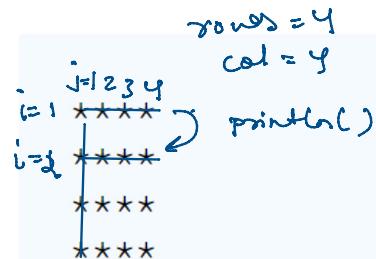
```
for ( i=1 → n )
    for( int i=1 → n )
```

```
Scanner scn = new Scanner(System.in);
int n = scn.nextInt(); → 4
for(int i = 1; i <= 4 ; i++){
    for(int j = 1; j <= 4 ; j++){
        System.out.print("*");
    }
    System.out.println();
}
```

5 → n (input)



## Sample Output 0



int star ↗ 3 ✓  
 for ( → n ) → outer  
 for (int j=1 ; j < star ; j++)  
 print (\*); ✓  
 ↓  
 print ln()  
 ↓  
 star++; ✓

S

5 \* | \* | \* | \* | \* (5)

5

```
Scanner scn = new Scanner(System.in);
int n = scn.nextInt(); 5
for(int i = 1 ; i<=n ; i++){ i=5
    for(int j = 1 ; j<=i; j++){ j=1
        System.out.print("*\t");
    }
    System.out.println();
}
```

$i = 5$   
 $j = 1$

	1	2	3	4	5
1	*				
2	*	*			
3	*	*	*		
4	*	*	*	*	
5	*	*	*	*	*

\* — \*

```
/* Enter your code here. Read input from
Scanner scn = new Scanner(System.in);
int n = scn.nextInt();
int star = 1;
for(int i = 1 ; i<=n ; i++){
    for(int j = 1 ; j<=star; j++){
        System.out.print("* ");
    }
    System.out.println();
    star++; star=5
}
```

$n \rightarrow 5$  ✓  
 $i = 1$   
 $j = 1$   
 ~~$star = 1$~~

Col ↓

	1	2	3	4	5
1	*				
2	*	*			
3	*	*	*		
4					
5					

$j=1$   
1 ✓

/\* Enter your code here. Read input from
Scanner scn = new Scanner(System.in);

```

1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

```

```

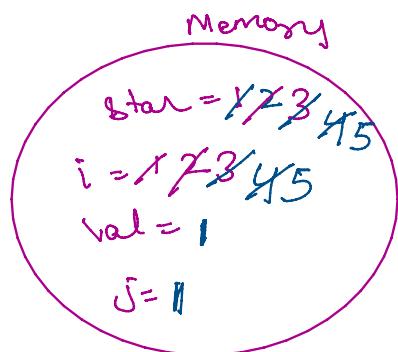
/* Enter your code here. Read input from
Scanner scn = new Scanner(System.in);
int n = scn.nextInt();
int star = 1;
for(int i = 1 ; i<=n ; i++){
    for(int j = 1 ; j<=star ; j++){
        System.out.print("1");
    }
    val++;
    System.out.println();
    star++;
}

```

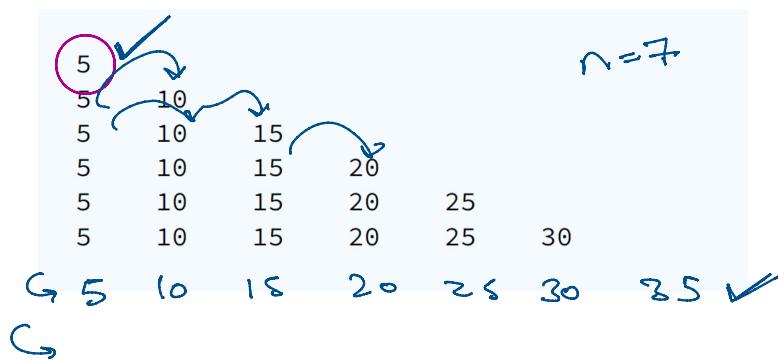
```

Scanner scn = new Scanner(System.in);
int n = scn.nextInt(); — 5
int star = 1; — 5
for(int i = 1 ; i<=n ; i++){
    int val = 1; — 4
    for(int j = 1 ; j<=star ; j++) — 4
        System.out.print(val + " ");
    val++; — 4
}
System.out.println(); — 5
star++; — 5
}

```



1	2	3	4	5
1	2	3	4	
1	2	3	4	
1	2	3	4	
1	2	3	4	5



```

Scanner scn = new Scanner(System.in);
int n = scn.nextInt();
int star = 1;
for(int i = 1 ; i<=n ; i++){
    int val = 5; — 5
    for(int j = 1 ; j<=star ; j++){
        System.out.print(val + " ");
        val++; — 5
        val += 5; — 5
    }
    System.out.println();
    star++;
}

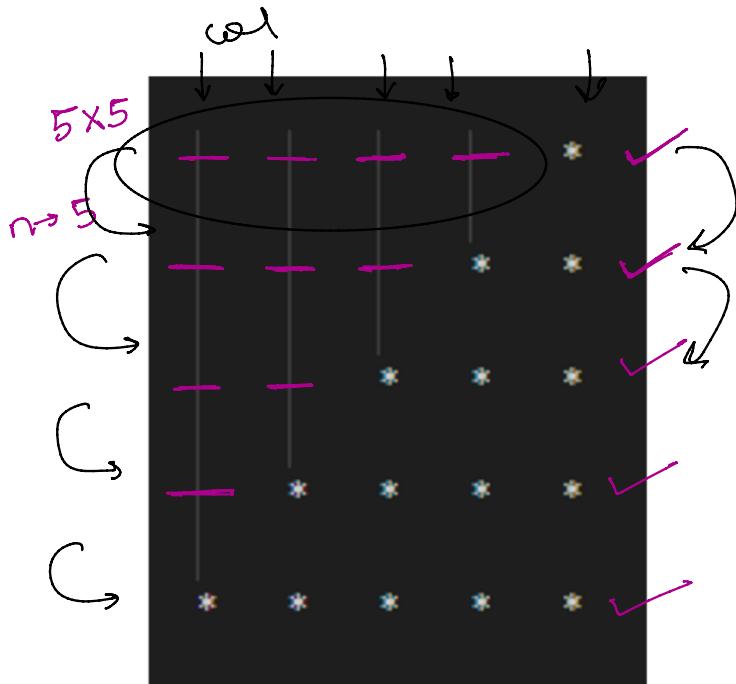
```

```

Scanner scn = new Scanner(System.in);
int n = scn.nextInt();
int star = 1;
for(int i = 1; i<=n; i++){
    int num = 5;
    for(int j = 1; j<=star; j++){
        System.out.print(num + " ");
        num+=5;
    }
}
System.out.println();
star++;
}

```

	j=1	j=2		
i=1	(5)			
i=2	(5)	(10)		
5	10	15		
5	10	15	20	
5	10	15	20	25



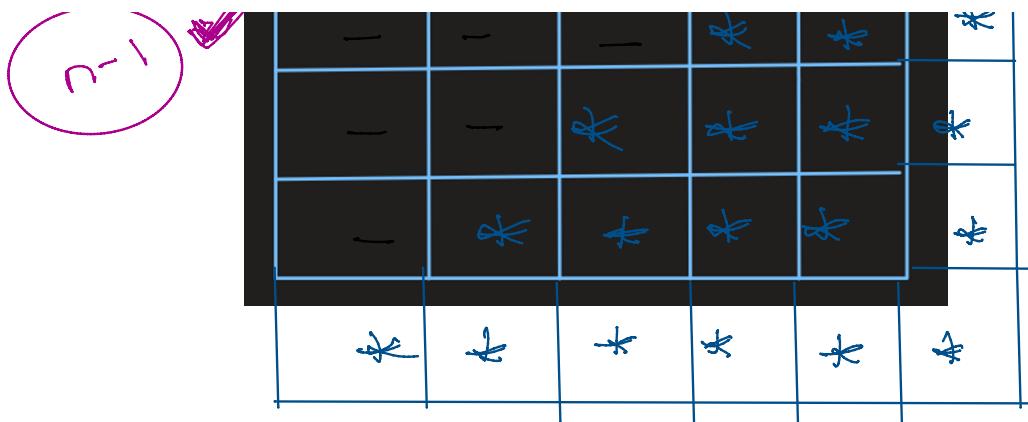
$n \rightarrow 5$   
 $\text{space} = 4 \rightarrow \underline{n-1}$  ✓  
 $\text{star} = 1 \rightarrow \text{Star}++;$

for  $i \rightarrow n \rightarrow \text{outer}$   
 for  $(i \rightarrow \text{space}) \rightarrow \text{print}(\text{space})$   
 for  $(i \rightarrow \text{star}) \rightarrow \text{print}(\text{star})$

System.out.println()  
 $\text{star}++;$  ✓  
 $\text{space}--;$  ✓

6*6	6	7,8,9			
—	—	—	—	—	*
—	—	—	—	*	*
—	—	—	*	*	*

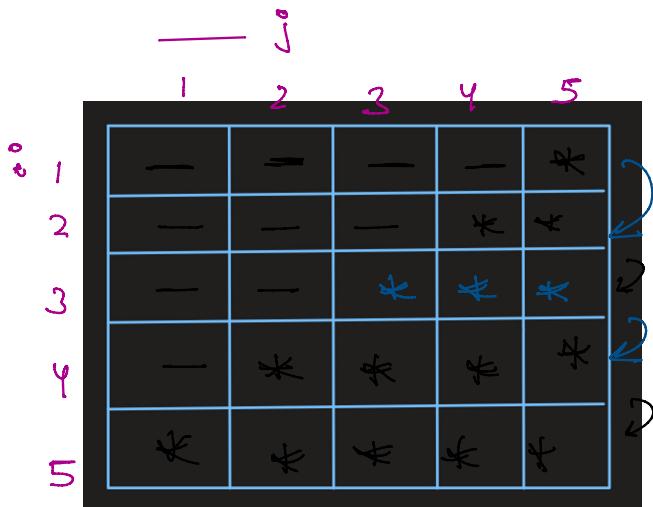
$n-1$   
 $\text{Space} = 5 \rightarrow \text{space}--$   
 $\text{Star} = 1 \rightarrow \text{star}++$



```

Scanner scn = new Scanner(System.in);
int n = scn.nextInt(); → 5
int star = 1;
int space = n-1; 5
for(int i = 1 ; i<=n ; i++){
    for(int j =1; j<= space; j++){ → row
        System.out.print(" ");
    }
    for(int k=1; k<=star; k++){ → col
        System.out.print("*");
    }
    System.out.println(); ✓
    star++; ✓
    space--; ✓
}

```



$\text{star} = 1 \cancel{2} \cancel{3} \cancel{4} 5$   
 $\text{space} = \cancel{1} \cancel{2} \cancel{3} \cancel{4} 0$

```

static void printPattern(int n){
    int star = 1;
    int space = n-1;
    for(int i = 1 ; i<=n ; i++){
        for(int j =1; j<= space; j++){
            System.out.print(" ");
        }
        for(int k=1; k<=star; k++){
            System.out.print("*");
        }
        System.out.println();
        star++;
        space--;
    }
}

```

```

public static void main(String[] args) {
    /* Enter your code here. Read input from STDIN */
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    printPattern(n); ✓✓
}

```

print pattern(5);  
 print pattern(6);  
 >,(?) ;

```
int n = scn.nextInt();  
printPattern(n);  
}
```