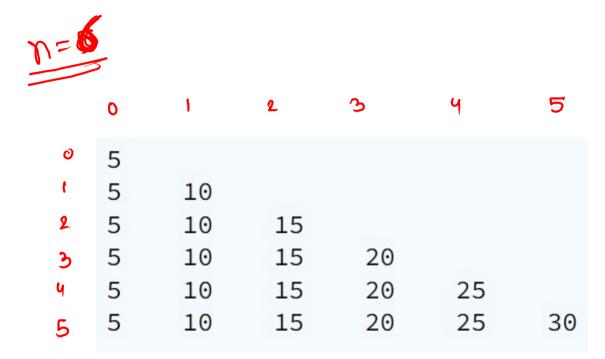
GKSTR17 Pattern_2

n=5			j (j+1)					Ĵ				<u></u>
	3 = 0	- - - - -	2	3	 4			0	1	2	3	ч
(O	1						٥	*				
1		2				_	\ \ \ \	≯	*			
2	1	2	3				2	A	*	×		
3	1	Q	3	4		ď	3	*	*	A	\Rightarrow	
4	1	8	3	4	5		<u>_</u> 4	≯	❖	*	☆	*

```
(0,0)
public static void main(String[] args) {
                                                   (1,0)
    Scanner scn = new Scanner(System.in);
                                                   (1,1)
    int row = scn.nextInt();
                                                   (2,0)
                                                   (2,1)
    int st = 1;
                                                   (2,2)
    for (int i = 0; i < row; i++) {
                                                   (3,0)
        for (int j = 0; j < st; j++) {
                                                   (3,1]
            System.out.print((j + 1) + "");
                                                   (3,2)
        st++;
        System.out.println();
                                                   (4,0)
                                                   (4/1)
                                                   (4,2)
```

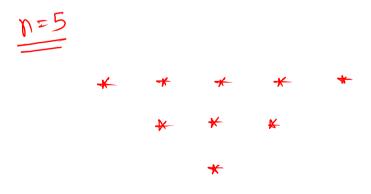
Pattern 6 - Right triangle of 5 multiples



```
public static void main(String[] args) {
                                                                     st=X234
    Scanner scn = new Scanner(System.in);
    int row = scn.nextInt();
                                                                   i = 0, j = 0 \ (0 < 1) \ \checkmark
                                                                          j = \bot (1 < \bot) \times
    int st = 1;
    _for (int i = 0; i < row; i++) {
        for (int j = 0; j < st; j++) {
    System.out.print(5 * (j + 1) + "\t");</pre>
                                                                   i=1, j=0 \ (0<2) \checkmark
                                                                          j=1 (1<2) V
                                                                          j=2 (2<2)×
         System.out.println();
                                                                   \mathring{c} = 2, \mathring{s} = 0 \quad (0 < 3) \checkmark
                                                                           j = 1 (1 < 3) \checkmark
                                                                          j = 2 (2 < 3) \checkmark
                                                                   i = 3, j = 0 (0 < 4)
j = 1 (1 < 4)
                                     15
                                               20
```

Hw_Print Inverted triangle

	*	*	*	*	*	*	*
•	_	*	*	*	*	*	
)	_	<u> </u>	*	*	*		
,	_	_	_	*			



$$Mow = \frac{(n+1)}{2}$$

```
int st = n;
int sp = 0;
int you = (n+1)/2;
-for (int i=0; i< now; i+1) {
     for (int j=0; j<$p; j++){
          Syso (" "));
      for (int j=0; j<st; j++){
          Syso ("*"))
      st -= 2;
    sp++;
Sysoln();
```

Pattern 7 - Print a hollow m by n star rectangle.

```
code
```

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
   int col = scn.nextInt();
   int row = scn.nextInt();
  _for (int i = 0; i < row; i++) {
      _for (int j = 0; j < col; j++) {
         -if ( i == 0 || j == 0 || i == row - 1 || j == col - 1 ) {
               System.out.print("*");
         } else {
               System.out.print(" ");
       System.out.println();
    now=3, col=5
                                                                                  (1/3)
                                                                                  (1,4)
                             3
                                     4
                       2
        O
   0
                      X
                             Ø
                                     ×
                                    X
               女
                             A
   2
                                     X
```

Practice

first
$$(ol(j) = 0)$$

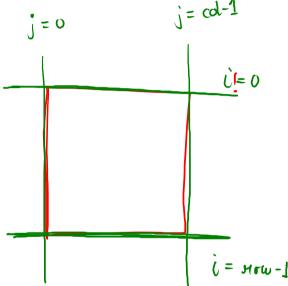
last $(ol(j) = col - 1)$

K

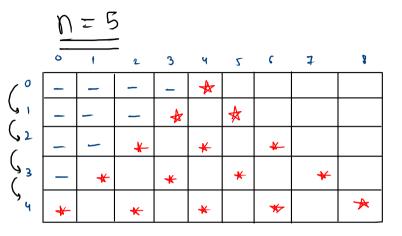
Pattern 8 - Print a hollow square without top

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

    for (int i = 0; i < n; i++) {
        for (int j = 0; j < n; j++) {
            if ( j == 0 || i == n - 1 || j == n - 1 ) {
                System.out.print("*");
        }
        System.out.print(" ");
    }
    System.out.println();
}</pre>
```



GKSTR24 Pattern_7_Pyramid



```
int st=1;
 int sp = n-1;
- for (int i=0; <n; i++){
       for (int j=0; j<$p; j++){
           Syso (" ");
       for (int j=0; j < st; j++){
           Syso ("*");
      Sysoln ();
```

```
code
```

```
public static void main(String[] args) {
      Scanner scn = new Scanner(System.in);
      int n = scn.nextInt();
      int st = 1;
      int sp = n - 1;
    for (int i = 0; i < n; i++) {
    for (int j = 0; j < sp; j++) {
        System.out.print(" ");
    }</pre>
      for (int j = 0; j < st; j++) {
    System.out.print("* ");
}</pre>
   sp--;
st++;
System.out.println();
```