

```
In.kt
```

```
fun main() {
    var k = 1
    print("Enter the number of rows: ")
    var n = readLine()?.toInt()
    for (i in 1..n!!) {
        for (j in 1..i) {
            print("${k++} ")
        }
        println()
    }
}
```

```
MainKt
```

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-Dfile.encoding=UTF-8"
Enter the number of rows: 4
1
2 3
4 5 6
7 8 9 10

Process finished with exit code 0
```

```
fun main() {
    print("Enter the number of rows: ")
    var n = readLine()?.toInt()
    for(i in n!! downTo 1){
        for(k in i..n)
            print(" ")
        for (j in 1..i) {
            print("*")
        }
        for (j in i downTo 2)
            print("*")
        println()
    }
}
```

MainKt

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Users\DELL\IdeaProjects\Kotlin\lib\jdwp-agent.jar=transport=bio,address=localhost:5005,server=y,debug=y" "C:\Users\DELL\IdeaProjects\Kotlin\src\MainKt.kt"
Enter the number of rows: 5
*****
 ****
  ***
   *
Process finished with exit code 0
```

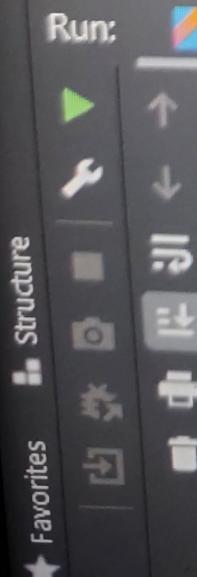
```
fun main() {
    var num: Int?= null
    print("Enter the number of rows: ")
    var n = readLine()?.toInt()
    for(i in 0..(n!! - 1)){
        for(j in 1..(n!!-i - 1)) {
            print(" ")
        }
        for (k in 0..i) {
            if(i==0 || k==0 ){
                num = 1
            } else{
                num = ((num!! * (i - k + 1))) / k
            }
            print("${num} ")
        }
        println()
    }
}
```

MainKt

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent"
Enter the number of rows: 5
      1
     1 1
    1 2 1
   1 3 3 1
  1 4 6 4 1
```

Process finished with exit code 0

```
1 ► fun main() {  
2     var num: Int?= null  
3     print("Enter the number of rows: ")  
4     var n = readLine()?.toInt()  
5     for(i in 1..n!!){  
6         for(j in 1..(n!!-i))  
7             print(" ")  
8         num = i  
9         for (k in 1..i)  
10            print("${num++} ")  
11  
12         num -= 2  
13         for(r in 1..(i - 1))  
14             print("${num--} ")  
15  
16     println()  
17 }  
18 }  
19 |
```



Run: MainKt ×

Enter the number of rows: 5

```
    1  
   2 3 2  
  3 4 5 4 3  
 4 5 6 7 6 5 4  
5 6 7 8 9 8 7 6 5
```

Process finished with exit code 0

Main.kt

```
1 fun main() {  
2     var num: Int?= null  
3     print("Enter the number of rows: ")  
4     var n = readLine()?.toInt()  
5     for(i in 1..n!!){  
6         for(j in 1..(n!!-i))  
7             print(" ")  
8         num = i  
9         for (k in 1..i)  
10            print("${num++} ")  
11  
12         num -= 2  
13         for(r in 1..(i - 1))  
14             print("${num--} ")  
15  
16     println()  
17 }  
18 }  
19
```

Run:

MainKt

Enter the number of rows: 5

```
    1  
   2 3 2  
  3 4 5 4 3  
 4 5 6 7 6 5 4  
5 6 7 8 9 8 7 6 5
```

Process finished with exit code 0

Structure
Favorites