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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming In Java (course)

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Course outline

- **How does an NPTEL online course work? ()**
- **Week 0 : ()**
- **Week 1 : ()**
- **Week 2 : ()**
- **Week 3 : ()**
- **Week 4 : ()**
- **Week 5 : ()**
- **Week 6 : ()**
- **Week 7 : ()**

Week 8 : Programming Assignment 1

Due on 2022-03-24, 23:59 IST

Write a program which will ***print a pyramid of "*" 's of height "n" and print the number of "*" 's in the pyramid***.

For example:

Input : 5
Output:

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

25

Your last recorded submission was on 2022-03-16, 11:46 IST

Select the Language for this assignment. Java

File name for this program : Pattern1.java

```
1  import java.util.*;
2  public class Pattern1 {
3      public static void main(String[] args) {
4          Scanner inr = new Scanner(System.in);
5         int n = inr.nextInt();
6          // Add the necessary code in the below space
7  int k = 0,sum=0;
8          for(int i = 1; i <= n; ++i, k = 0) {
9              for(int space = 1; space <= n - i; ++space) {
10                 System.out.print("  ");
11             }
12             while(k != 2 * i - 1) {
13                 System.out.print("* ");
```

```
14                  sum=sum+1;
15                  ++k;
16              }
17              System.out.println();
18          }
19           System.out.println(sum);
20      }
21  }
22
23
```

You may submit any number of times before the due date. The final submission will be considered for grading.

This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.

Save as Draft | Compile & Run | Submit | Reset

Sample Test Cases

	Input	Output

Test Case 1	3	`    *`
		`  * * *`
		`* * * * *`
		`9`

Test Case 2	5	`        *`
		`      * * *`
		`    * * * * *`
		`  * * * * * * *`
		`* * * * * * * * *`
		`25`

(/noc22_cs47/progassignment?name=147)

- Week 8 : Programming Assignment 4 (/noc22_cs47/progassignment?name=148)
- Week 8 : Programming Assignment 5 (/noc22_cs47/progassignment?name=149)

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