

Java Week 8: Q1

Due on 2020-11-12, 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

Private Test cases used for evaluation

Input	Expected Output	Actual Output	Status
-2	0\n	0\n	Passed

Test Case 1

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-11-05, 23:29 IST

Your last recorded submission was :

```

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         int count=0;
7         // Add the necessary code in the below space
8         for (int i=1; i<=n; i++)
9         {
10             for (int j=n-i; j>=1; j--)
11             {
12                 System.out.print(" ");
13             }
14             for (int k=1; k<=(i*2-1); k++)
15             {
16                 System.out.print("* ");
17             }
18             ++count;
19             System.out.println("");
20         }
21         System.out.println(count);
22     }
23 }
24

```

Sample solutions (Provided by instructor)

```

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         int k = 0, sum=0;
7         for(int i = 1; i <= n; ++i, k = 0) {
8             for(int space = 1; space <= n - i; ++space) {
9                 System.out.print(" ");
10            }
11            while(k != 2 * i - 1) {
12                System.out.print("* ");
13                sum=sum+1;
14                ++k;
15            }
16            System.out.println();
17        }
18        System.out.println(sum);
19    }
20 }
21

```

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

Week 8 :

- Lecture 36 : Applet Programming-III
- Lecture 37 : Demonstration-XIII
- Lecture 38 : Demonstration-XIV
- Lecture 39 : AWT Programming-I
- Lecture 40 : AWT Programming-II
- Quiz: Assignment 8
- Java Week 8: Q1
- Java Week 8: Q2
- Java Week 8: Q3
- Java Week 8: Q4
- Java Week 8: Q5
- Feedback For Week 8

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

Programming Test - (April 11 - 10AM - 12 PM)

Programming Test - (April 11 - 8PM - 10 PM)