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
Test Case 1	-2	0\n	0\n	Passed

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 inp = new Scanner(System.in);
5        int n = inp.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          ++count;
18        }
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 inp = new Scanner(System.in);
5        int n = inp.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
```