Java Week 8: Q1

Due on 2020-03-26, 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
```

Note: Spaces must be exactly same as in the example for correct evaluation.

Sample Test Cases

<table>
<thead>
<tr>
<th>Test Case</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Case 1</td>
<td>-2</td>
<td>0</td>
</tr>
</tbody>
</table>
| Test Case 2 | 3 | * 
  * * * 
  * * * * 
  * * * * * 
 9 |
The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```java
import java.util.*;
public class Pattern1 {
    public static void main(String[] args) {
        Scanner inr = new Scanner(System.in);
        int n = inr.nextInt();
        int k = 0, sum = 0;
        for(int i = 1; i <= n; ++i, k = 0) {
            for(int space = 1; space <= n - i; ++space) {
                System.out.print(" ");
            }
            while(k != 2 * i - 1) {
                System.out.print("* ");
                sum = sum + 1;
                ++k;
            }
            System.out.println();
        }
        System.out.println(sum);
    }
}
```

Test Case 3

* 
* * 
* * * 
* * * * 
* * * * * 
* * * * * * 
25
Week 12:

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Assignment Solution

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