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

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc20_cs08/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

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 :

- Lecture 36 : Applet Programming--

Java Week 8: Q3

Due on 2020-03-26, 23:59 IST

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

For example:

input: 5

output:

```
      1
    1 2 3
  1 2 3 4 5
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8 9
95
```

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

Your last recorded submission was on 2020-03-26, 23:38 IST

Select the Language for this assignment. Java ▼

File name for this program : Pattern3.java

```
1  import java.util.*;
2    public class Pattern3 {
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 sum=0;
8        for(int i =1; i<=n;i++){
9          for(int j=0; j<(n-i)*2;j++){
10           System.out.print(" ");
11         }
```

```
12          for(int j=1; j<=2*i-1;j++){
13            System.out.print(j+" ");
14            sum+=j;
15          }
16          System.out.println();
17        }
18        System.out.println(sum);
19      }
20  }
21
```

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

Private Test cases used for Evaluation Status

Test Case 1 Passed

DOWNLOAD VIDEOS

Assignment Solution

Books

Live Interactive Session