

LP_Practice_weightHillPattern

Sasi | 09 Feb 2023



Finish State: Normal

Test Taken on: February 09, 2023 02:36:13 PM IST



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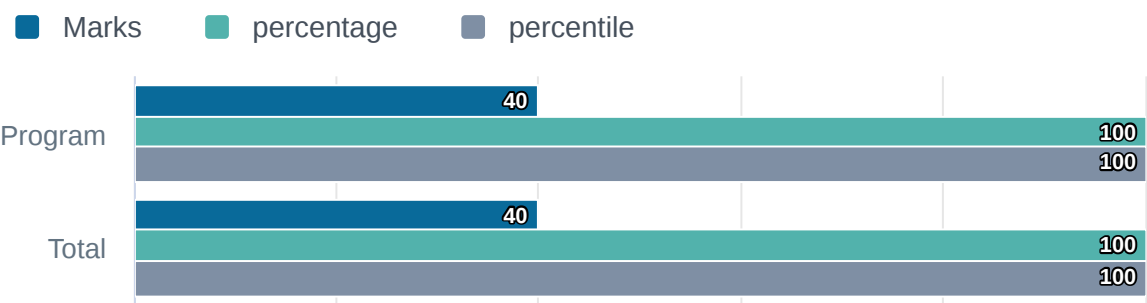
Overall Summary

40 Marks Scored
out of 40

100 % 100 percentile
out of 43622 Test Takers

43s Time taken
of 1hr 5mins

Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 1 question(s).



This shows the correctness of questions attempted by the test taker

Correct	1 Ques	40/40 Marks
Incorrect	0 Ques	0/0 Marks
Partially Correct	0 Ques	0/0 Marks
Not Attempted	0 Ques	0/0 Marks

Section-Wise Details

▼ Section 1 Program	question(s) 1 Q.	Time taken 43s (Untimed)	Marks Scored 40 / 40
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Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 1 question(s).



■ Correct	1 Ques	40/40 Marks
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This shows the correctness of questions attempted by the test taker

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1. Program



Question 1

Revisit Later

How to Attempt?

Weight of a hill pattern

Given,
the total levels in a hill pattern (input1),
the weight of the head level (input2), and
the weight increments of each subsequent level (input3),
you are expected to find the total weight of the hill pattern.

"Total levels" represents the number of rows in the pattern.

"Head level" represents the first row.

Weight of a level represents the value of each star (asterisk) in that row.

The hill patterns will always be of the below format, starting with 1 star at head level and increasing 1 star at each level till level N.

```
*  
**  
***  
****  
*****  
.....
```

...and so on till level N

Let us see a couple of examples.

Example1 -

Given,
the total levels in the hill pattern = 5 (i.e. with 5 rows)
the weight of the head level (first row) = 10
the weight increments of each subsequent level = 2
Then, The total weight of the hill pattern will be calculated as $10 + (12+12) + (14+14+14) + (16+16+16+16) + (18+18+18+18+18) = 10 + 24 + 42 + 64 + 90 = 230$

Example2 -

Given,
the total levels in the hill pattern = 4
the weight of the head level = 1
the weight increments of each subsequent level = 5
Then, Total weight of the hill pattern will be $= 1 + (6+6) + (11+11+11) + (16+16+16+16) = 1 + 12 + 33 + 64 = 110$

JAVA7

Compiler: Java - 1.7

```
1 import java.io.*;  
2 import java.util.*;  
3  
4 // Read only region start  
5 class UserMainCode  
6 {  
7  
8     public int totalHillWeight(int input1,int input2,int input3){  
9         // Read only region end  
10        int sum=0;  
11        for(int i=0;i<input1;i++)  
12        {  
13            for(int j=0;j<=i;j++)  
14            {  
15                sum+=input2;  
16            }  
17            input2+=input3;  
18        }  
19        return sum;  
20    }  
21 }  
22 }
```

☐ Use Custom Input

Compile and Test

Submit Code