1. Program

1

Attempted: 1/1

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

```java
import java.io.*;
import  java.util.*;

// Read only region start
class UserMainCode
{

    public int totalHillWeight(int input1,int input2,int input3){
        // Read only region end
        // Write code here...
         int totalWeight = 0;
        int initWeight = input2;

        for (int i = 0; i < input1; i++) {
            for (int j = 0; j <= i; j++) {
                totalWeight += initWeight;
            }
            initWeight += input3;
        }
        return totalWeight;
    }
}
```

Use Custom Input

Compile and Test | Submit Code

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Code Execution | Code History

0/2 - Sample Test Cases Failed

Default 2

CODE EXECUTION DETAILS
Time: 283 ms
Memory: 103812 kb

TEST CASE INFORMATION
Input
4 1 5
Expected Output
110
Actual Output
110

CONSOLE OUTPUT

STANDARD ERROR/WARNING
None

Default 1

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Use Custom Input

Compile and Test

Submit Code

Code Execution | Code History

0/8 - Graded Test Cases Failed

- Corner 2
- Corner 1
- Necessary 2
- Necessary 1
- Basic 4
- Basic 3
- Basic 2
- Basic 1