

<https://panchalprogrammingacademy.github.io/course-problem-deck/#/problem/5fe5862d004f31001787d033>

## Series 2

30 POINTS

Write a program to accept an integer  $N$  from the standard input device and compute the sum of first  $N$  terms of the following series:

$$(1^2) + (1^2 + 2^2) + (1^2 + 2^2 + 3^2) + \dots$$

Input format:

A single line of input containing  $N$

Output format:

A single line output containing sum of first  $N$  terms of given series

Constraints:

$$1. 0 \leq N \leq 100$$

Test Case - 1

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Explanation:  $1^2 + (1^2 + 2^2) + (1^2 + 2^2 + 3^2) = 1 + (1 + 4) + (1 + 4 + 9) = 1 + 5 + 14 = 20$

**Problem tags:**

THE COMPLETE C COURSE EASY LOOPS