My Task : User will give a integer as input and I need to take the sum of the series of that integer. Ex ..

Sample Output:

Input the value for nth term: 5

1 = 1

1+2 = 3

1+2+3 = 6

1+2+3+4 = 10

1+2+3+4+5 = 15

The sum of the above series is: 35

1. First I will take a number from the user and also declare a sum variable and initial value will be 0.
2. Then I will create a two dimensional array and the size of the array would be the number that user give.
3. Then I will create a temporary sum inside the array for calculating each row and after calculating one row I will add the temporary sum with the main sum then print it.

#include <iostream>

using namespace std;

int main()

{

int num;

cout << "Enter an integer: ";

cin >> num;

int sum = 0;

for (int i = 1; i <= num; ++i)

{

int tempSum = 0;

for (int j = 1; j <= i; ++j)

{

cout << j;

tempSum += j;

if (j < i)

{

cout << "+";

}

}

sum += tempSum;

cout << " = " << tempSum << endl;

}

cout << "The sum of the above series is: " << sum << endl;

return 0;

}