

```
1 #include <iostream>
2
3 using namespace std;
4
5 int main()
6 {
7     int i, j, n, sum, total = 0;
8
9     cout << "Enter the value for nth term: ";
10
11    cin >> n;
12
13    for (i = 1; i <= n; i++)
14    {
15        sum = 0;
16
17        for (j = 1; j <= i; j++)
18        {
19            total += j;
20
21            sum += j;
22
23            cout << j;
24
25            if (j < i)
26
```

```
32        {
33            cout << "+";
34
35        }
36
37    }
38
39
40    cout << " = " << sum << endl;
41
42
43 }
44
45 cout << "\nThe sum of the above series is: " << total << endl;
46
47 }
```

```
input
Enter 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

...Program finished with exit code 0
Press ENTER to exit console.
```