

Calculate following $s=n+(n-1)+(n-2)+\dots+2+1$ in c++.

Answer:

```
#include <iostream>
#include <conio.h>
using namespace std;

int main()
{
    int n = 0;
    int s = 0;
    cout << "Enter n...\n";
    cin >> n;
    if (n>0)
    {
        for (int i = n ; i >= 1 ; --i)
        {
            s += i;
        };
        cout << "s = " << s << "\n"; // Show the Result
        cout << "Press any key to exit\n";
    }
    else
    {
        cout << "Incorrect value n. Press any key to exit\n";
    };
    getch(); // Screen delay
    return 0;
}
```