## Arithmetic Progression

*Description:*

Given the arithmetic progression, 2, 5, 8, 11, 14......

*Input:*

The integer N > 0.

*Output:*

Get the sum of N items of the arithmetic progression.

*Return:*

If the conversion is successful, then return 0; Otherwise, return 1;

#include <iostream>

using namespace std;

int main()

{

int firstitem = 2;

int tolerance = 3;

int input;

while ( cin >> input ) {

int lastitem = firstitem + tolerance \* (input - 1);

int sum = ( firstitem + lastitem ) \* input / 2;

cout << sum << endl;

}

}