**Program 4**

Pseudocode

* Collect the number of integers to collect **, cin >> size**
* Collect the integers using the for loop for size times
* Only sum positive integers,

**if( integer >= 0)**

**{ add to sum}**

* For collecting sum, use the addition assignment, **sum += integer**
* Display the sum

**Program code**

#include <iostream>

#include <cmath> //for mathematical functions

using namespace std;

int main()

{

    cout << "\n\tProgram for Summation\n";

    int size;

    cout << "\nHow many numbers to sum : ";

    cin >> size;  //collecting number of numbers the user wants to sum

    cin.ignore();

    int sum = 0; //variable for summation

    int integer; //variable for accepting the values

    for(int Count = 1; Count <= size; Count++) //collecting the numbers to sum

    {

        cout << "Enter integer " << Count << " : ";

        cin >> integer;

        if( integer >= 0)  //for only accepting positive integers starting from 0

        {

            sum += integer;

        }

    }

    cout << "Sum = " << sum; //displaying sum positive integers

    return 0;

}

//sum += input;  sum = sum + input;

**Screen Dump**

