**TASK-04**

Sum of Numbers

**EXPLANATION:**

Write a program that ask user to enter a positive number (do not accept –ve number). The program should use a while loop to sum all the number from 1 up to the number entered.

**INPUT:**

#include <iostream>

#include <stdlib.h>

#include <conio.h>

#include <windows.h>

using namespace std;

void cin\_clear ()

{

cout << "No character or negative value !" ;

Sleep (2000) ;

system("CLS") ;

cin.clear () ;

cin.ignore ( INT\_MAX , '\n' ) ;

}

int main()

{

bool flag = true ;

while ( flag )

{

int num , sum = 0 , i = 0 ;

bool check = true ;

char option ;

cout << "Please enter a number : " ;

while ( ! ( cin >> num ) || num < 0 )

{

cin\_clear () ;

cout << "Please enter a number : " ;

}

while ( i <= num )

{

sum += i ;

i++ ;

}

cout << "Sum is " << sum << endl ;

system ("PAUSE") ;

while ( check )

{

system ("CLS") ;

cout << "Do you want to continue (y/n) : " ;

char option ;

option = getch() ;

if ( option == 'y' || option == 'n')

{

if ( option == 'y')

{

check = false;

flag = true ;

}

else

{

check = false ;

flag = false ;

}

}

}

}

}

**OUTPUT:**

56



