**TASK-02**

Sum of digits

**EXPLANATION:**

Write a program to sum of digits of any given integer number.

Input: 459

Sum: 18

**INPUT:**

#include <iostream>

#include <conio.h>

#include <stdlib.h>

#include <windows.h>

using namespace std ;

main ()

{

bool flag = true ;

while ( flag )

{

int num = 0 , remainder , digit = 0 , original = 0 ;

bool check = true ;

char option ;

cout << "Please enter number : \a" ;

while ( ! ( cin >> num ) )

{

cin.clear () ;

cin.ignore () ;

cout << "No character please!" ;

Sleep ( 3000 ) ;

system("CLS") ;

cout << "Please enter number : " ;

}

original = num ;

do

{

remainder = num % 10 ;

digit = digit + remainder ;

num /= 10 ;

} while ( num != 0 );

cout <<"The sum of " << original << " is " << digit ;

Sleep ( 3000 ) ;

while (check)

{

system ("CLS") ;

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

option = getch() ;

if ( option == 'y' )

{

flag = true ;

check = false ;

}

else if ( option == 'n' )

{

flag = false ;

check = false ;

}

}

system ("CLS") ;

}

}

**OUTPUT:**



