**TASK-01**

Reverse a Number

**EXPLANATION:**

Write a program to reveres any given integer number.

Input: 12345

Reverse: 54321

**INPUT:**

#include <iostream>

#include <conio.h>

#include <stdlib.h>

#include <iomanip>

#include <windows.h>

using namespace std ;

int main ()

{

bool flag = true ;

while ( flag )

{

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

char option ;

bool check = true ;

cout << "Please enter number : " ;

while ( ! ( cin >> num ) )

{

cin.clear () ;

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

cout << "No character please!" ;

Sleep ( 3000 ) ;

system("CLS") ;

cout << "Please enter a number : " ;

}

original = num ;

while ( num != 0 )

{

remainder = num % 10 ;

digit = ( digit \* 10 ) + remainder ;

num /= 10 ;

i++;

}

cout <<"The reverse of " << original << " is "<< fixed << setfill ('0') << setw (i) << 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:**





