Flip bits of a binary number using bitwise operator

ALGORITHM:

STEP 1: Start the program

STEP 2: Integer using num and flippednumber

STEP 3: Print enter any number and scanf %d and num

STEP 4: And using flipped number equal to num

STEP 5: And finally return 0.

COMMANDS:

printf("Enter any number: ");

scanf("%d", &num); //Input number from user

flippedNumber = ~num; // this is a condition

PROGRAM:

#include <stdio.h>

int main()

{

int num, flippedNumber;

printf("Enter any number: ");

scanf("%d", &num);

flippedNumber = ~num;

printf("Original number = %d (in decimal)\n", num);

printf("Number after bits are flipped = %d (in decimal)", flippedNumber);

return 0;

}

OUTPUT:

Enter any number: 35

Original number = 35 (in decimal)

Number after bits are flipped = -36 (in decimal)