#include<stdio.h>

int main(){

    int a,b;

    int sum;

    printf("Enter any two integers: ");

    scanf("%d%d",&a,&b);

    //sum = a - (-b);

    sum = a - ~b -1;

    printf("Sum of two integers: %d",sum);

    return 0;

}

Sample output:

Enter any two integers: 5 10

Sum of two integers: 15

**Algorithm:**

In c ~ is 1's complement operator. This is equivalent to:

~a = -b + 1

So, a - ~b -1

= a-(-b + 1) + 1

= a + b – 1 + 1

= a + b