2. **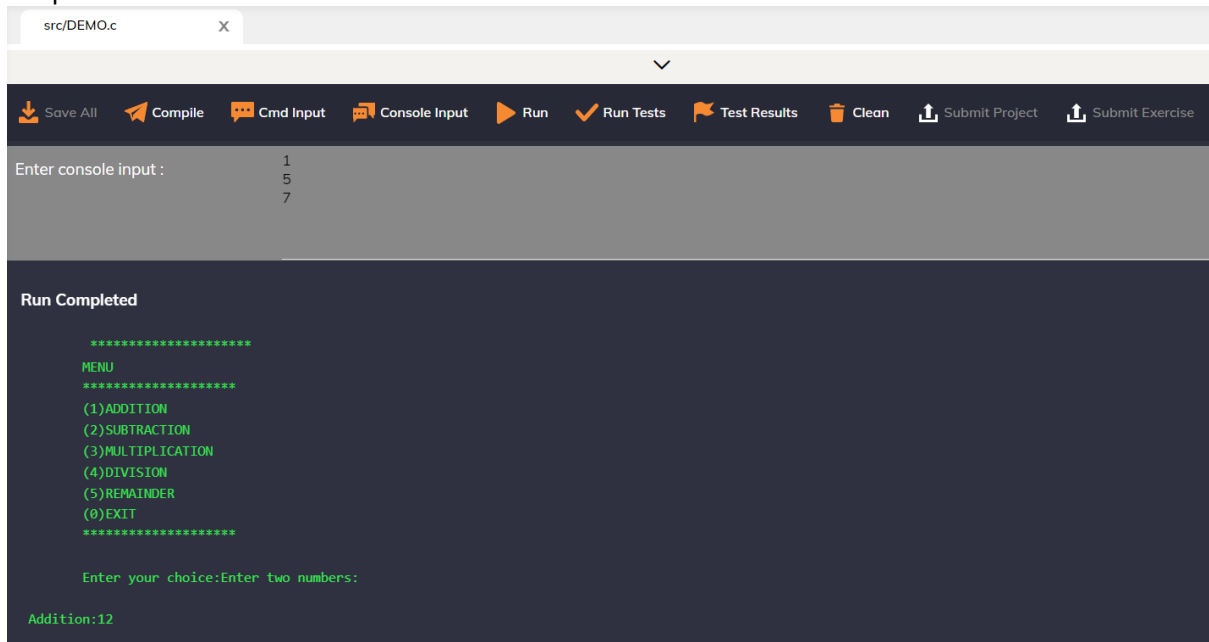Write a C program, which takes two integer operands and one operator form the user performs the operation and then prints the result.(Consider the operators +,-,*, /, % and use Switch Statement).**

```c
#include<stdio.h>
#include<stdlib.h>
int main()
{
int a,b,res,ch;
printf("\t   *******************");
printf("\n\tMENU\n");
printf("\t*******************");
printf("\n\t(1)ADDITION");
printf("\n\t(2)SUBTRACTION");
printf("\n\t(3)MULTIPLICATION");
printf("\n\t(4)DIVISION");
printf("\n\t(5)REMAINDER");
printf("\n\t(0)EXIT");
printf("\n\t*******************");
printf("\n\n\tEnter your choice:");
scanf("%d",&ch);
if(ch<=5 & ch>0)
{
printf("Enter two numbers:\n"); scanf("%d%d",&a,&b);
}
switch(ch)
{
 case 1:
 res=a+b;  printf("\n Addition:%d",res);  break;
 case 2:
 res=a-b;  printf("\n Subtraction:%d",res);  break;
 case 3:
 res=a*b;  printf("\n Multiplication:%d",res);  break;
 case 4:
 res=a/b;  printf("\n Division:%d",res);  break;
 case 5:
 res=a%b;  printf("\n Remainder:%d",res);  break;
 case 0:  printf("\n Choice Terminated");  exit(0);  break;
 default:
 printf("\n Invalid Choice");
}
return 0;
}
```

Output:

src/DEMO.c   X

Save All   Compile   Cmd Input   Console Input   Run   Run Tests   Test Results   Clean   Submit Project   Submit Exercise

Enter console input :
```
1
5
7
```

Run Completed

```
    ********************
    MENU
    ********************
    (1)ADDITION
    (2)SUBTRACTION
    (3)MULTIPLICATION
    (4)DIVISION
    (5)REMAINDER
    (0)EXIT
    ********************

    Enter your choice:Enter two numbers:

Addition:12
```