Green University of Bangladesh

Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering

Semester: (Spring, Year:2022), B.Sc. in CSE (Day)

LAB REPORT NO # 01

Course Title: Structure Programming Lab

Course Code: 104 **Section: PC-213DA**

Lab Experiment Name: Lab Report For Perform Basic Arithmetic Operation.

Student Details

Name	ID
Pankaj Mahanto	213902002

Lab Date **: 08/02/2022**

Submission Date **: 12/02/2022**

Course Teacher's Name **: Md Solaiman Mia**

Md. Solaiman Mia

Assistant Professor

Green University of Bangladesh

1. TITLE OF THE LAB EXPERIMENT [1]

- **Write a C program to add two numbers (5 and 8) and display its sum like (5+8=13)**
- **Write a C program to input two numbers and display those numbers.**
- **Write a C program to input two numbers as input and display its sum.**
- **Write a C program to input two numbers and display display its product.**
- **Write a C program to input two float numbers as input and display its sum.**

(following the printing style of problem 5)

2. OBJECTIVES [1]

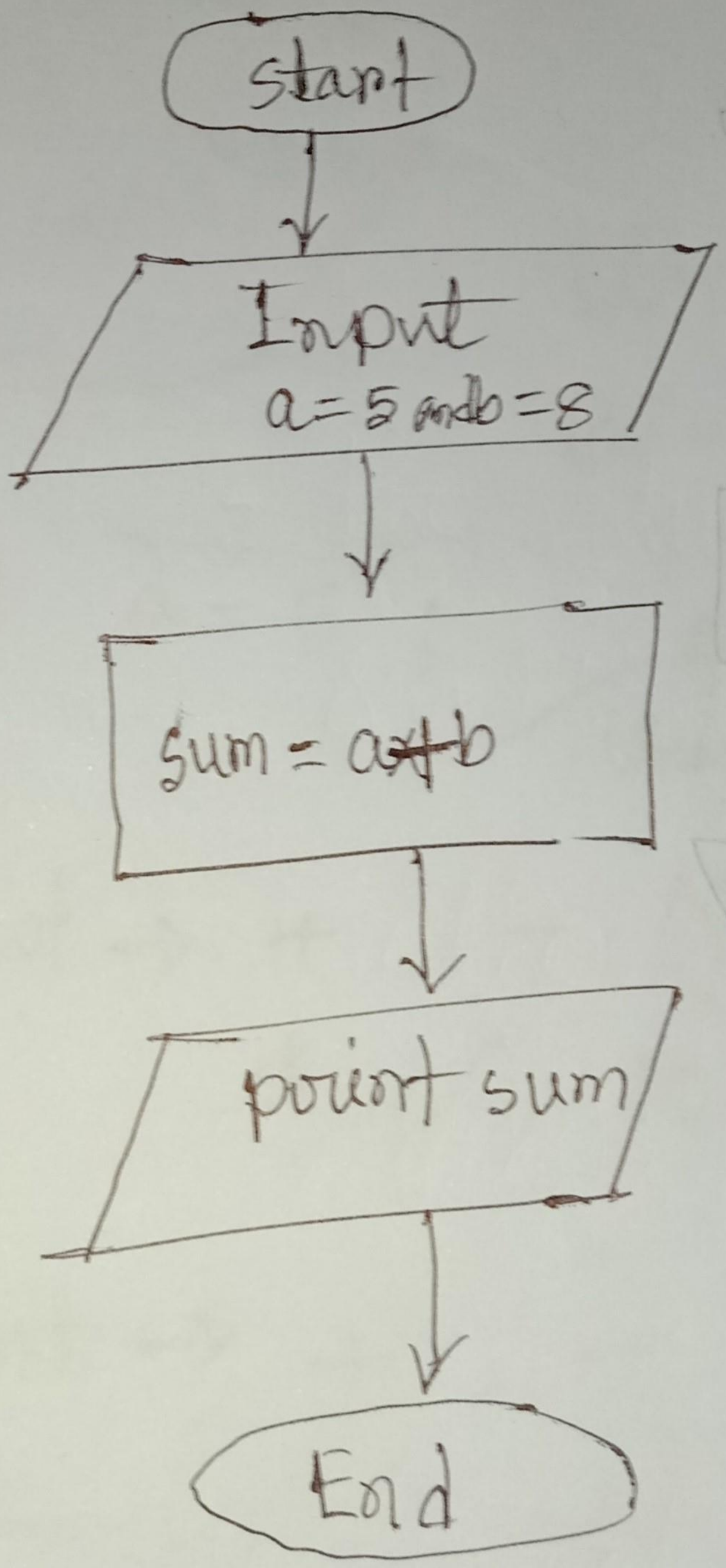
Our main goal is take two number we will do addition, multiplication. And we will show the number as output which we will take from user.

3. PROCEDURE /ANALYSIS/DESIGN [2]

Flow Chart

Problem 01

Flow Chart



Problem 01

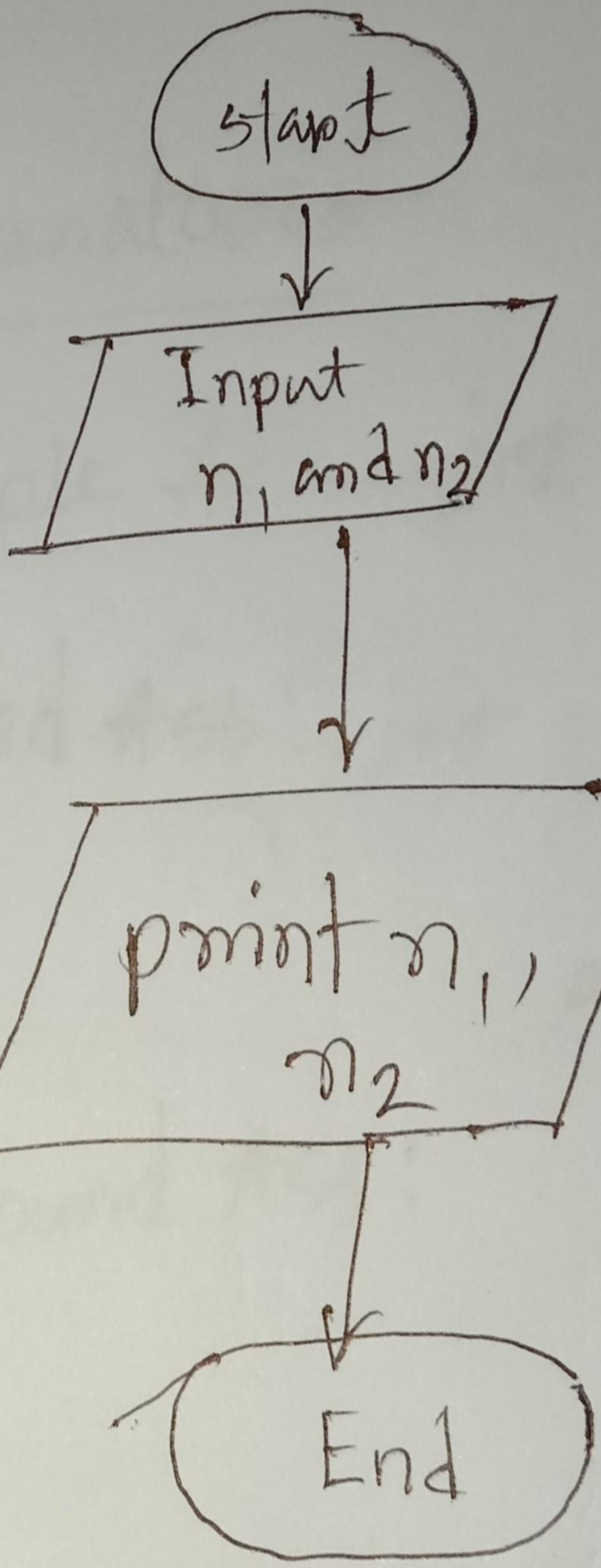
```c
#include <stdio.h>
int main()
{
    int a= 5, b= 8, sum;
    sum = a+ b;
    printf("The sum of two numbers sum=(a+b)= %d\n",sum=a+b);
    return 0;
}
```

Output 1

```
PROBLEMS 2  OUTPUT  DEBUG CONSOLE  TERMINAL

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\SEMESTER 2\CSE 104 LAB\Report ONE\chapter 3> cd "d:\SEMESTER 2\CSE 104 LAB\Report ONE\problem1.c\" ; if ($?) { gcc lab1.c -o lab1 } ; if ($?) { .\lab1 }
The sum of two number sum=(5 + 8 )= 13
PS D:\SEMESTER 2\CSE 104 LAB\Report ONE\problem1.c>
```

Problem 02

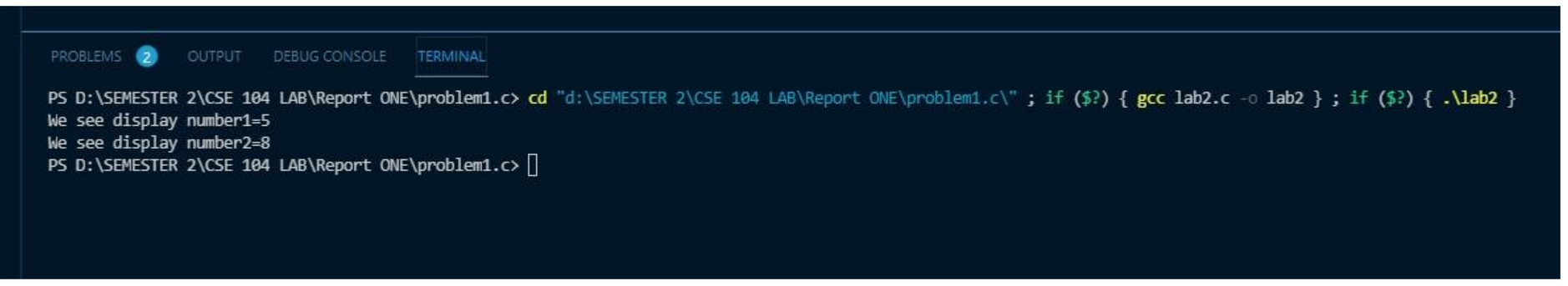
Flow Chart



Problem 02

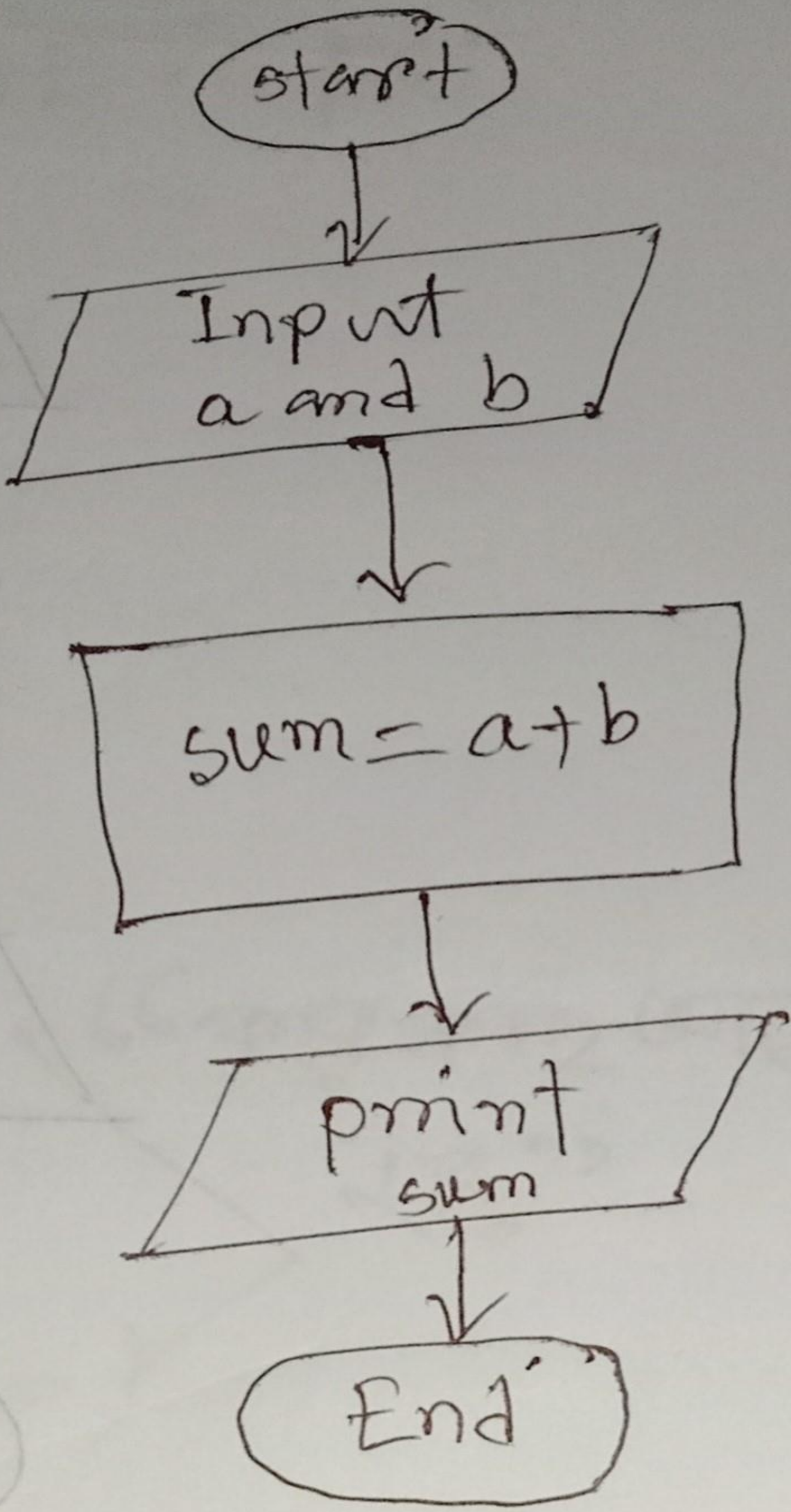
```
# include <stdio.h>
  int main()
  {int  number1 = 5, number2=8;
printf ("We see display number1 = 5 \n");
printf (" We see display number2= 8 \n");
return 0;
}
```

OUTPUT 2



Flow Chart

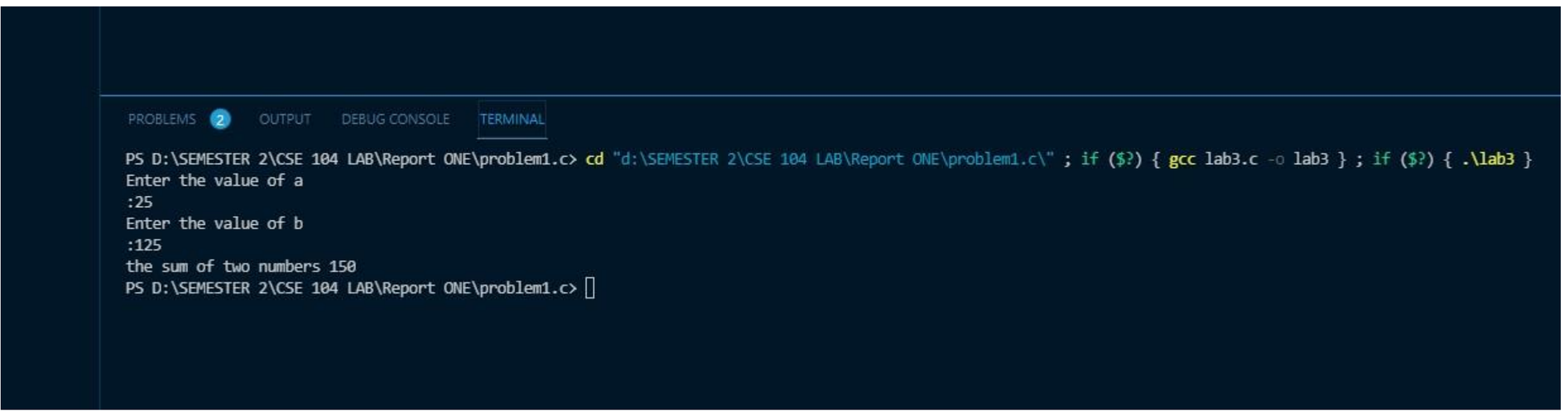
Problem 03



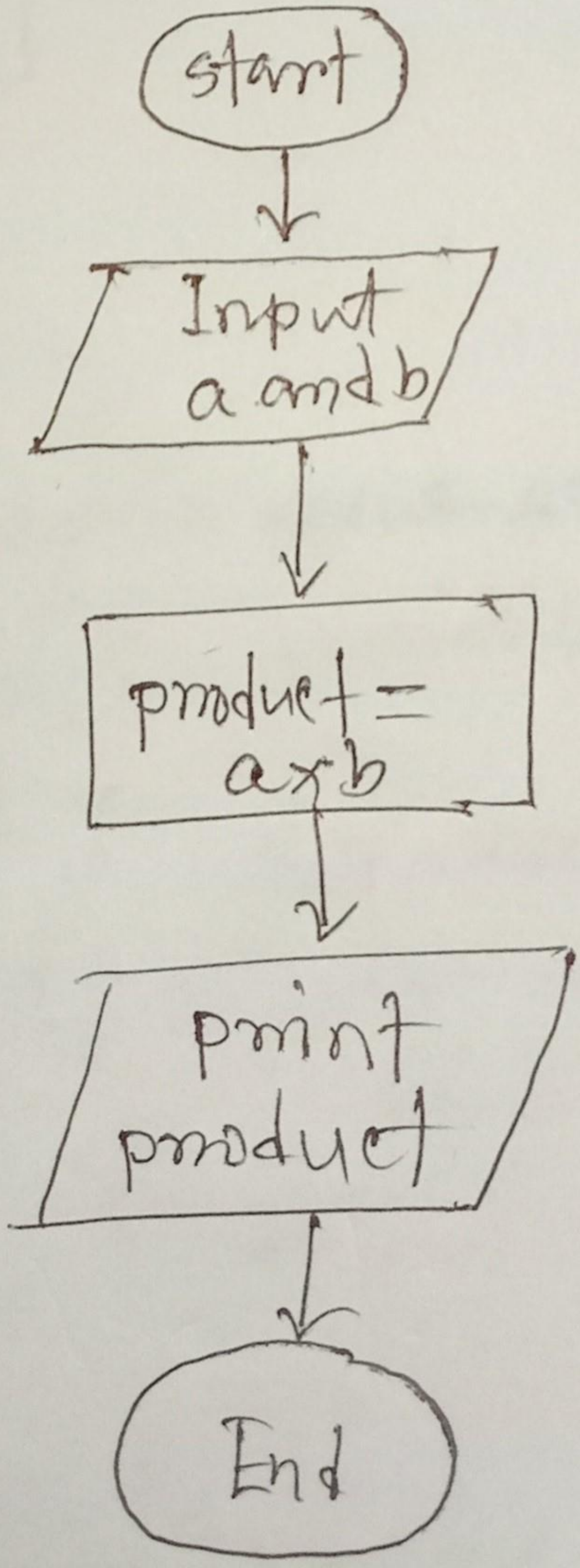
Problem 03:

```
# include <stdio.h>
   int main ()
{
  int a, b, sum;
printf (" Enter the value of a\n:");
scanf ("%d", &a);
printf (" Enter the value of b\n:");
scanf ("%d", &b);
sum = a+b;
printf ("The sum of two numbers %d\n",sum);
 return 0;
}
```

OUTPUT 3



Problem 04



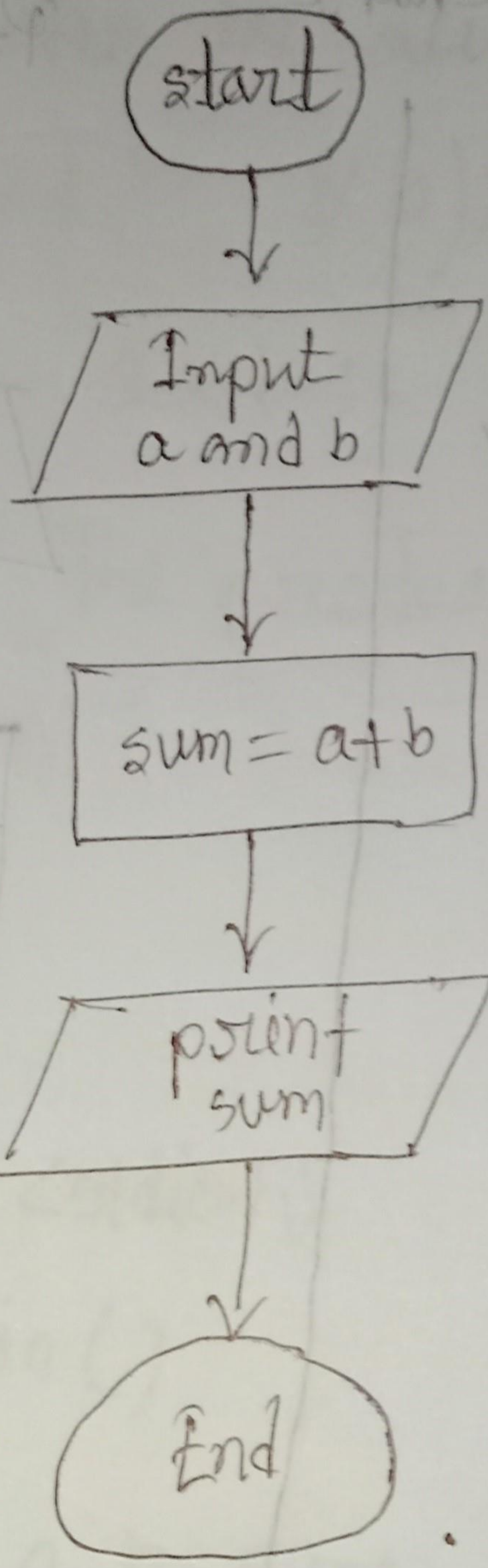
Problem 04

```
#include <stdio.h>
  int main()
{
  int a, b, product;
printf("Enter the value of a\n:");
scanf("%d", &a);
printf("Enter the value of b\n:");
scanf("%d", &b);
product = a*b;
printf("The product of two numbers %d\n", product);
return 0;
}
```

OUTPUT 4

```
PROBLEMS 2   OUTPUT   DEBUG CONSOLE   TERMINAL

PS D:\SEMESTER 2\CSE 104 LAB\Report ONE\problem1.c> cd "d:\SEMESTER 2\CSE 104 LAB\Report ONE\problem1.c\" ; if ($?) { gcc lab4.c -o lab4 } ; if ($?) { .\lab4 }
Enter the value of a
:25
Enter the value of b
:15
The product of two numbers 375
PS D:\SEMESTER 2\CSE 104 LAB\Report ONE\problem1.c>
```

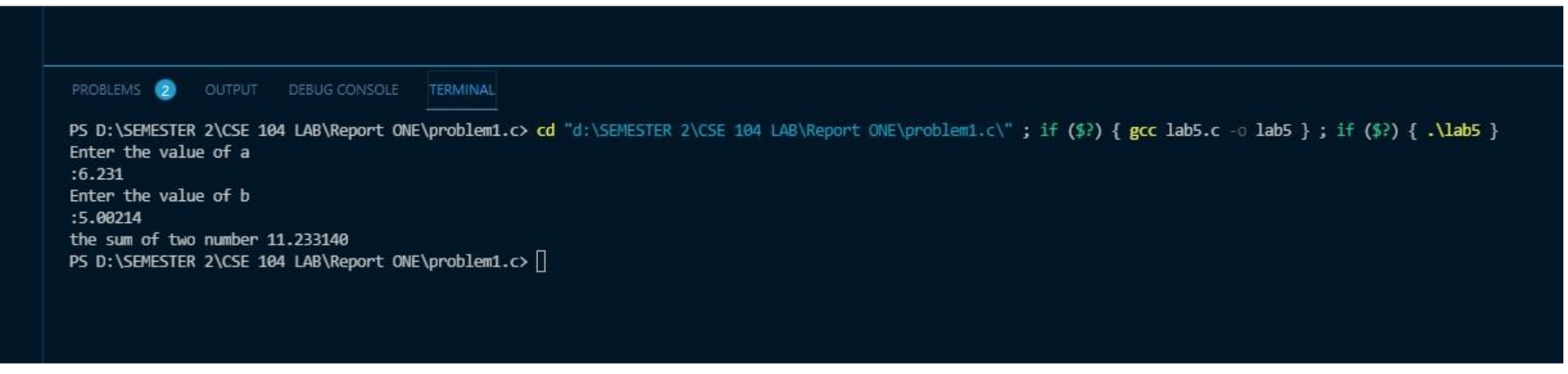
Problem 05



Problem 05

```
#include <stdio.h>
    int main()
{
    float a, b, sum;
printf("Enter the value of a\n:");
scanf("%f", &a);
printf("Enter the value of b\n:");
scanf("%f", &b);
sum = a+b;
printf("the sum of two numbers %f\n", sum);
return 0;
}
```

OUTPUT 5



6.ANALYSIS AND DISCUSSION

1. In first problem we get the proper summation of two numbers. And
2. in second problem we can achived our expected result.
3. We solve those problem using vs code IDE and there were no error occurs. And we can successfully print the output of those problems.
4. We have faced little bit difficulties while taking input from user.
5. We have not use any extra variable to store results. We have directly performs addition and multiplication operation inside printf function.
6. Solving Those problems we have learned how to add/multiply any numbers using C. And now we can make a calculator which can perform basic arithmetic operations.