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: Structured Programming Lab

Course Code: CSE 104 Section: PC-213DB

Lab Experiment Name:

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

Student Details

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Lab Date :05/02/22

Submission Date :11/02/22

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[For Teachers use only: Don't Write Anything inside this box]

Lab Report Status	
Marks: ……	**Signature:.....**
Comments:.....	**Date:.....**

Problem 01

TITLE OF THE LAB EXPERIMENT

Write a C program to add two numbers (5 and 8) and display its sum like (5 + 8 = 13).

OBJECTIVES/AIM

Our objective is to add two numbers and then, the sum of two numbers

PROCEDURE

Step 1: Start

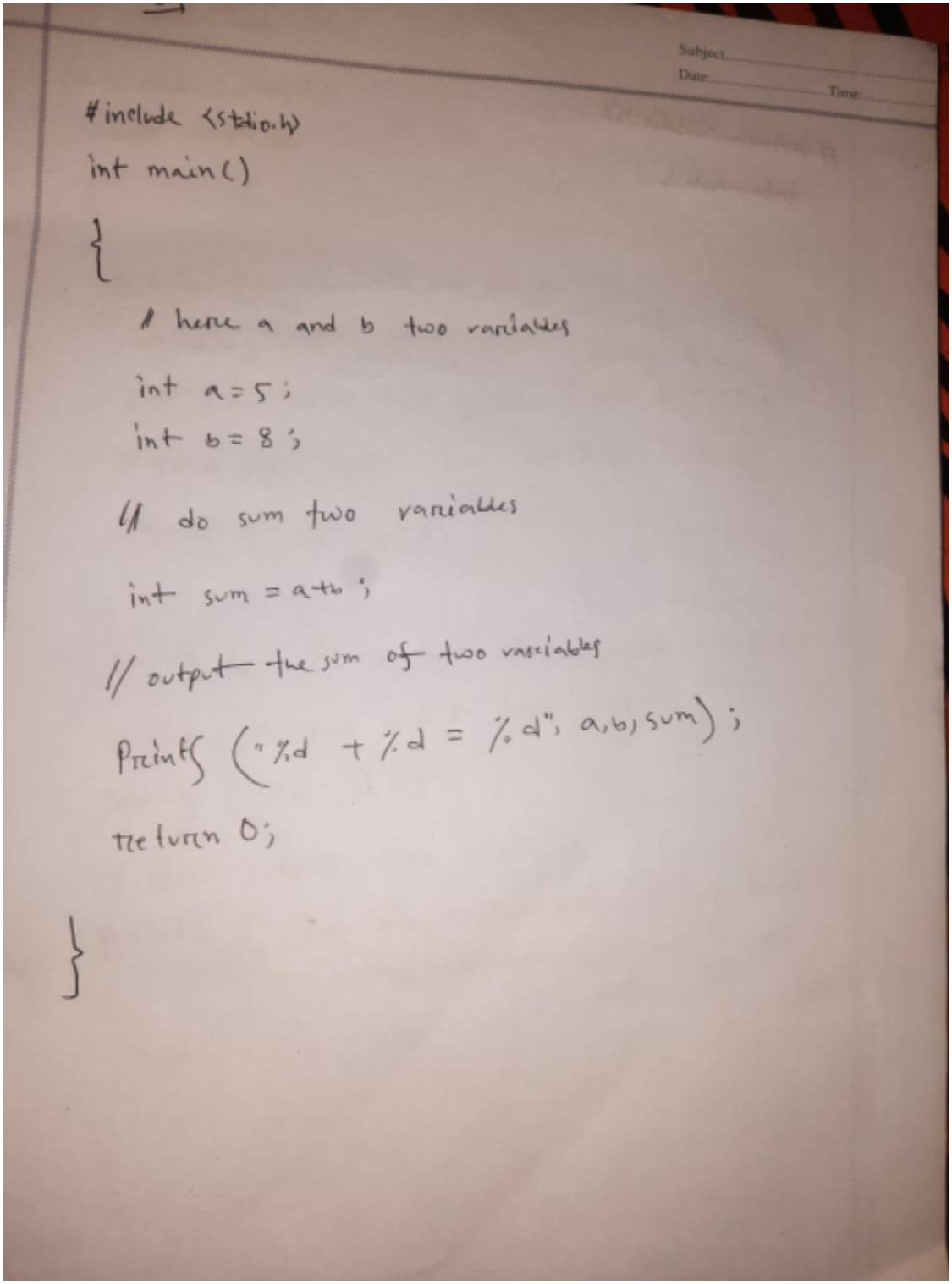
Step 2: Declare variables a,b.

Step 3: Add a and b and then assign the result to a variable sum.

Step 4: Display sum

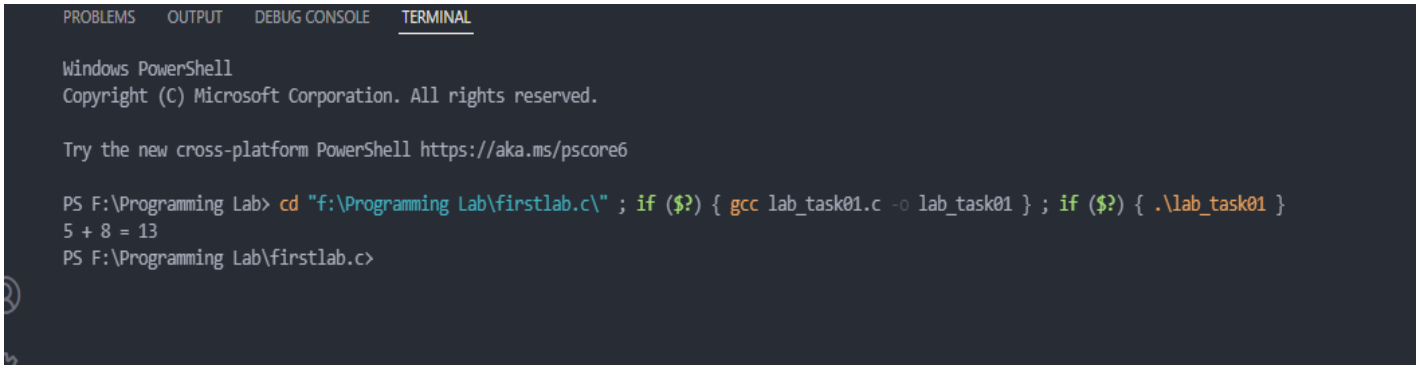
Step 5: Stop.

IMPLEMENTATION



```
#include <stdio.h>
int main()
{
    // here a and b two variables
    int a=5;
    int b=8;
    // do sum two variables
    int sum = a+b;
    // output the sum of two variables
    Printf ("%d + %d = %d", a,b, sum);
    return 0;
}
```

TEST RESULT / OUTPUT



ANALYSIS AND DISCUSSION

In this program, we took two variables a and b respectively. The two integers are stored in these two variables. Then, these two numbers are added using the + operator with the assigning value sum variable, and the result is stored in the sum variable.

Problem 02

TITLE OF THE LAB EXPERIMENT

Write a C program to input two numbers and display those numbers.

OBJECTIVES/AIM

Our objective is to input two numbers and show those numbers

PROCEDURE / ANALYSIS / DESIGN

Step 1: Start

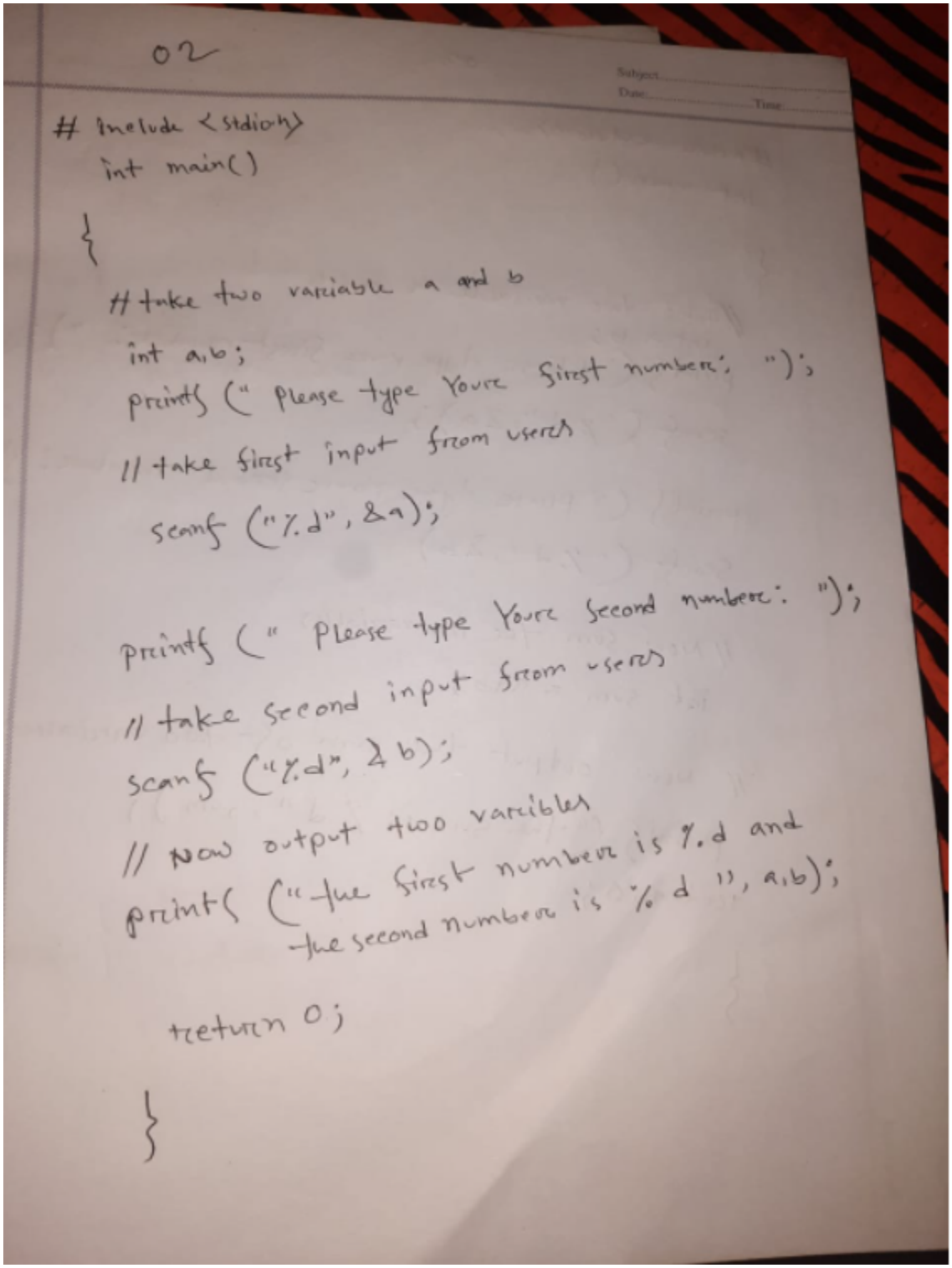
Step 2: Declare variables a,b.

Step 3: Read values for a,b.

Step 4: Display values for a,b

Step 5: Stop

IMPLEMENTATION



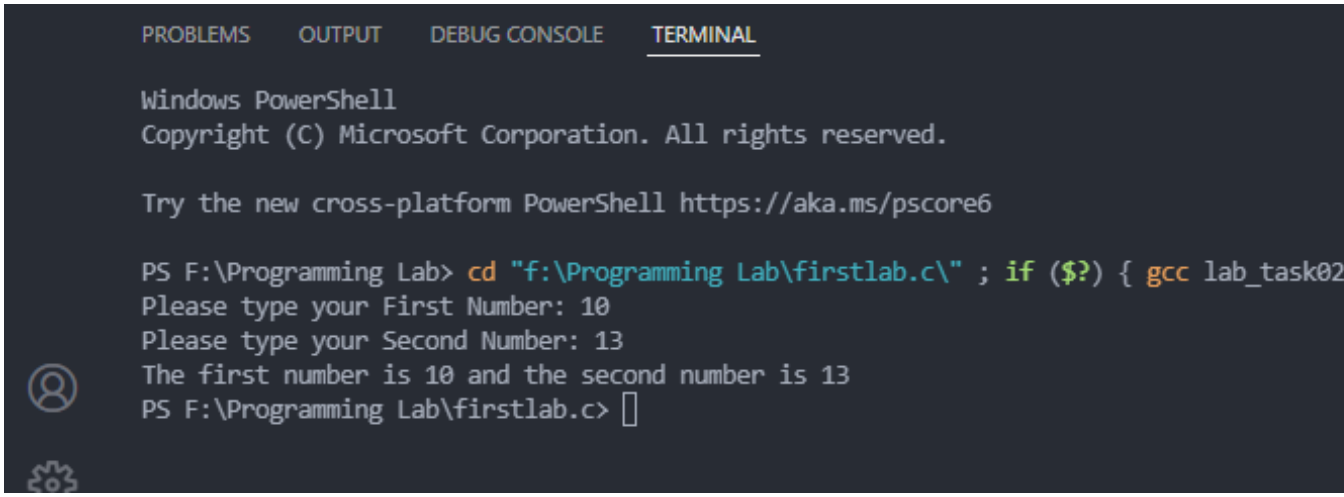
02

```
# include <stdio.h>
int main()
{
// take two variable a and b
int a,b;
printf (" Please type Youre first number: ");
// take first input from users
scanf ("%d", &a);

printf (" Please type Youre second number: ");
// take second input from users
scanf ("%d", &b);
// Now output two varibles
print( ("the first number is %.d and
        the second number is % d ", a,b);

return 0;
}
```

TEST RESULT / OUTPUT



ANALYSIS AND DISCUSSION

In this program, we took two variables a and b respectively. The user is asked to take two input numbers The two integers are stored in these two variables. Then, Display the two numbers

Problem 03

TITLE OF THE LAB EXPERIMENT

Write a C Program to input two numbers as input and display its sum.

OBJECTIVES/AIM

Our objective is to declare the variables and then input two numbers and show those values

PROCEDURE

Step 1: Start

Step 2: Declare variables a,b.

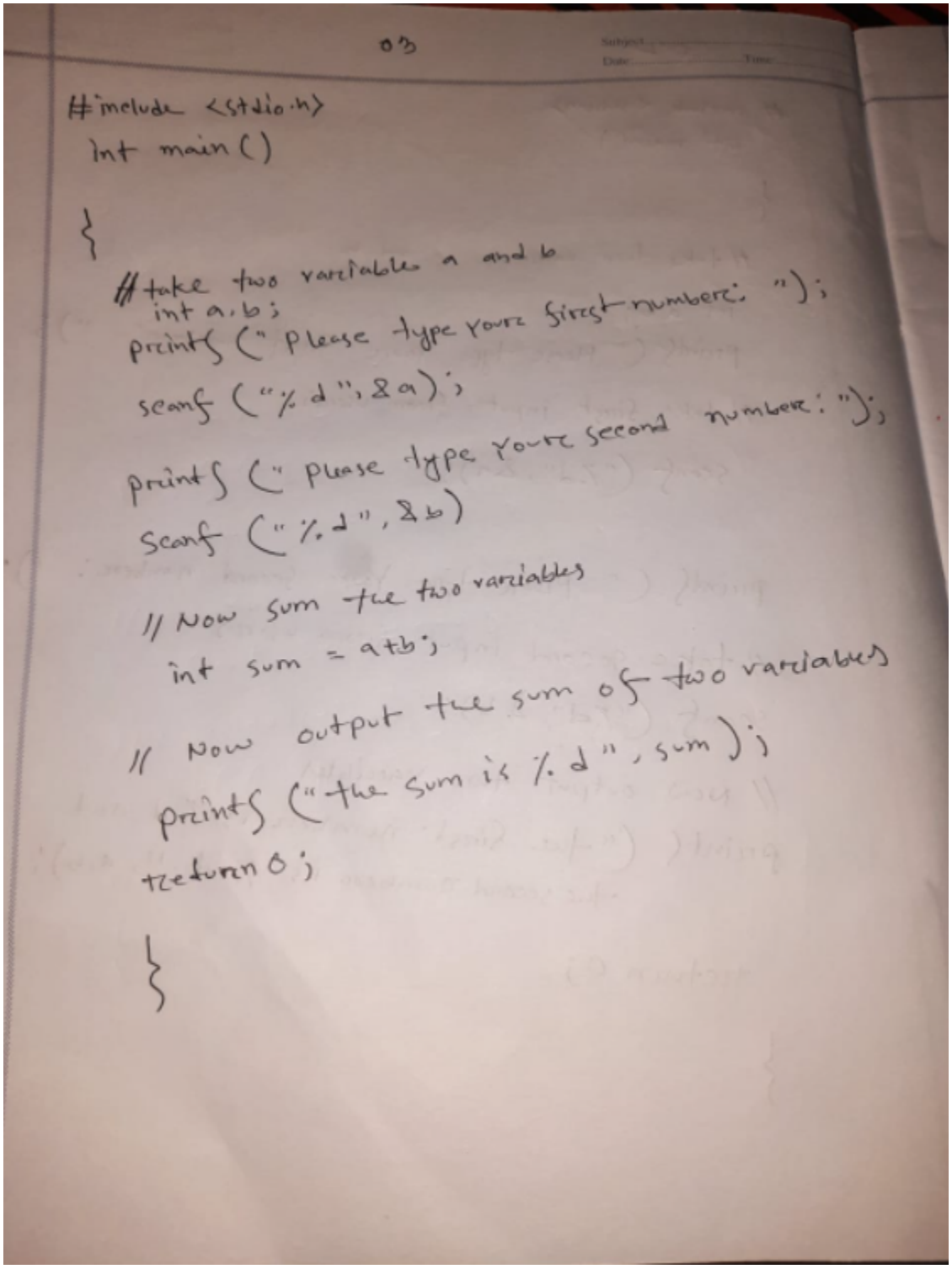
Step 3: Read values for a,b.

Step 4: Add a and b and then assign the result to a variable sum.

Step 5: Display sum

Step 6: Stop

IMPLEMENTATION



03

```
#include <stdio.h>
int main()

{

// take two variables a and b
  int a, b;
printf (" please type youre first numbere: ");

scanf ("%d", &a);

printf (" please type youre second numbere: ");

scanf ("%d", &b)

// Now sum the two variables
  int sum = a+b;

// Now output the sum of two variables
  printf ("the sum is %d", sum);
return 0;

}
```

TEST RESULT / OUTPUT

ANALYSIS AND DISCUSSION

In this program, we took two variables a and b respectively. The user is asked to take two input numbers The two integers are stored in these two variables. Then, these two numbers are added using the + operator with the assigning value sum variable, and the result is stored in the sum variable.

Problem 04

TITLE OF THE LAB EXPERIMENT

Write a C Program to input two numbers as input and display its product.

OBJECTIVES/AIM

Our objective is to declare the variables and then input two numbers and then display its product

PROCEDURE / ANALYSIS / DESIGN

Step 1: Start

Step 2: Declare variables a,b.

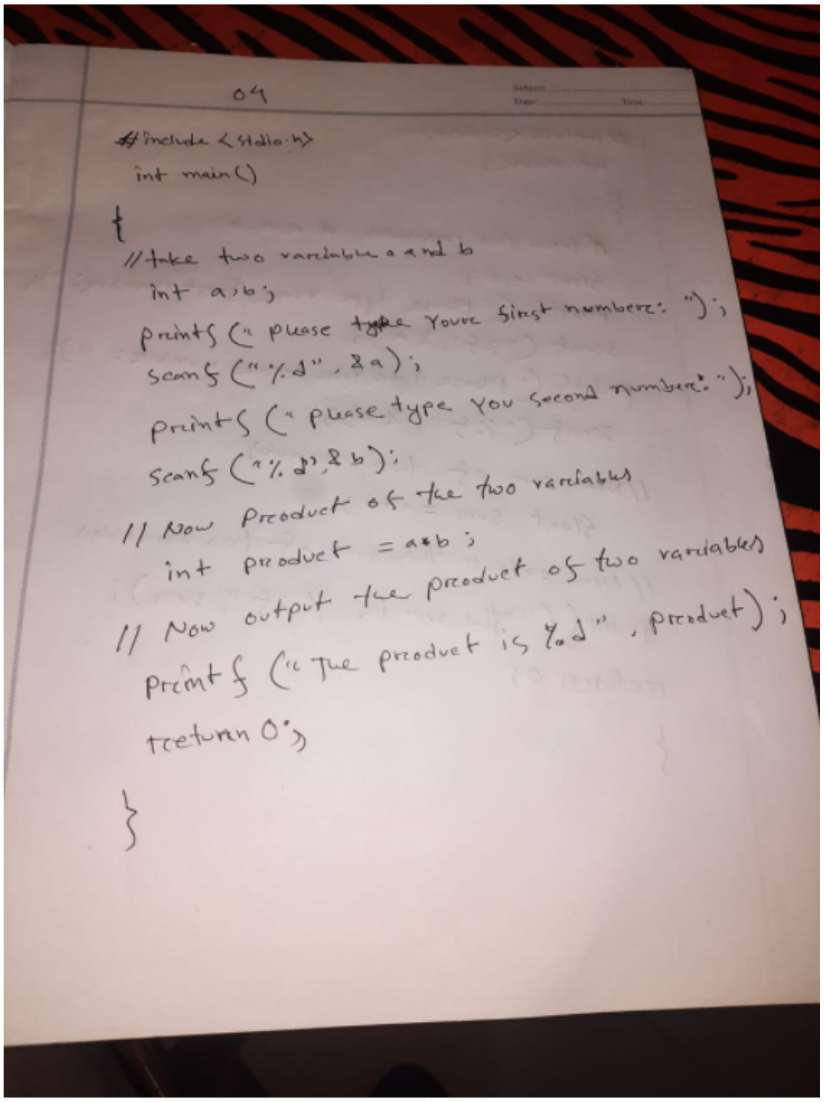
Step 3: Read values for a,b.

Step 4: Add a and b and then assign the result to a variable product.

Step 5: Display product

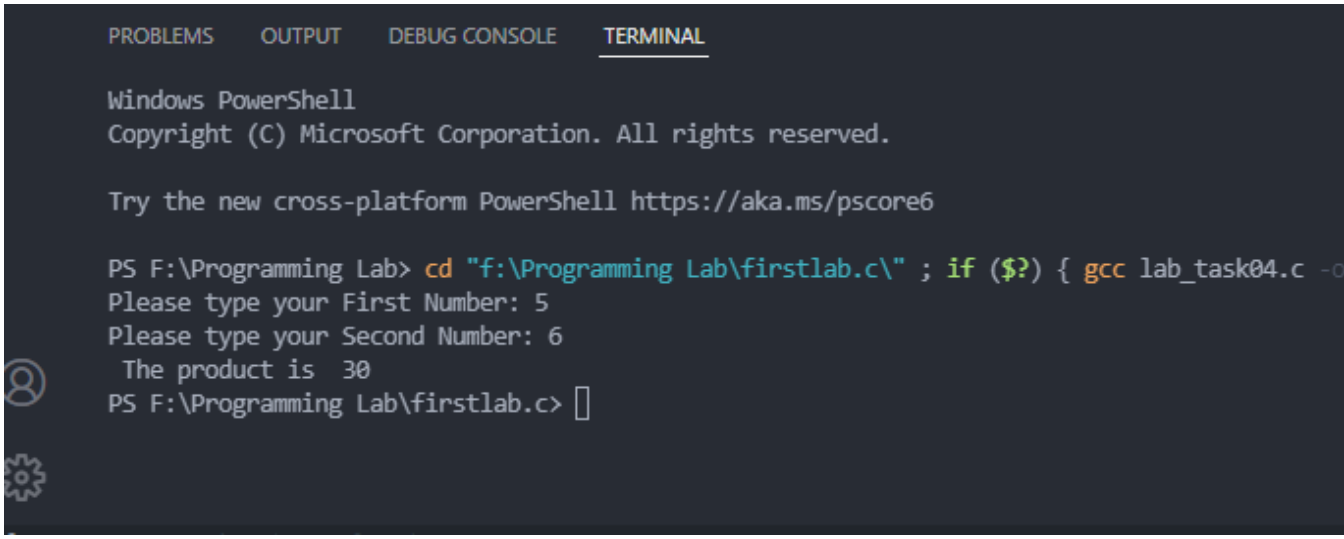
Step 6: Stop

IMPLEMENTATION



```
#include <stdio.h>
int main()
{
//take two variables a and b
  int a,b;
printf("please type Youre first number: ");
scanf("%d", &a);
printf("please type You second number: ");
scanf("%d",&b);
// Now Product of the two variables
  int product = a*b;
// Now output the product of two variables
printf("the product is %d", product);
return 0;
}
```

TEST RESULT / OUTPUT



ANALYSIS AND DISCUSSION

In this program, we took two variables a and b respectively. The user is asked to take two input numbers The two integers are stored in these two variables. Then, these two numbers are multiplied using the * operator with the assigning value product variable, and the result is stored in the product variable.

Problem 05

TITLE OF THE LAB EXPERIMENT

Write a C Program to input two float numbers as input and display its sum

OBJECTIVES/AIM

Our objective is to declare the variables and then input two float numbers and then display its sum.

PROCEDURE Step

1: Start

Step 2: Declare variables a,b.

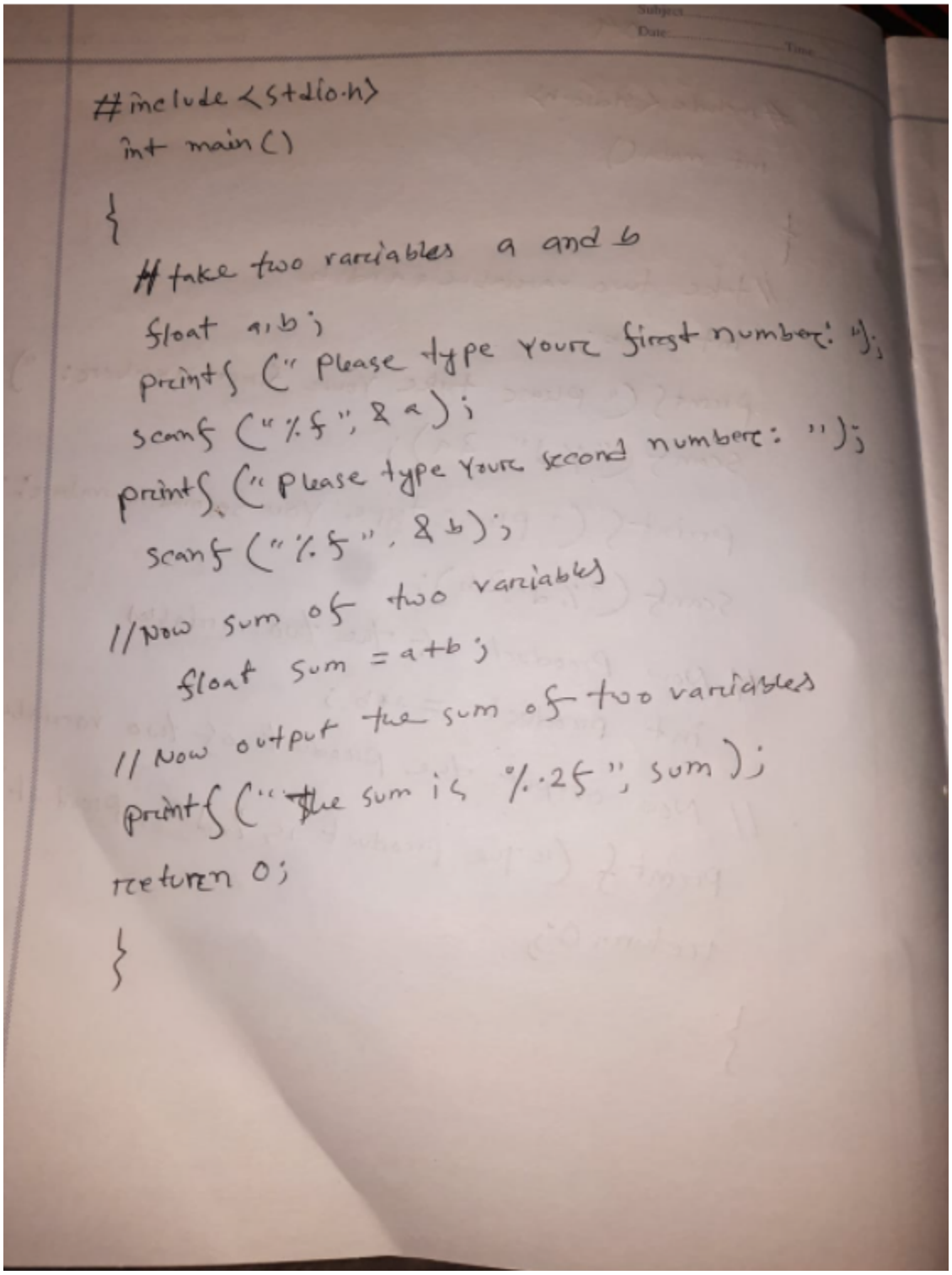
Step 3: Read values for a,b.

Step 4: Add a and b and then assign the result to a variable sum.

Step 5: Display sum

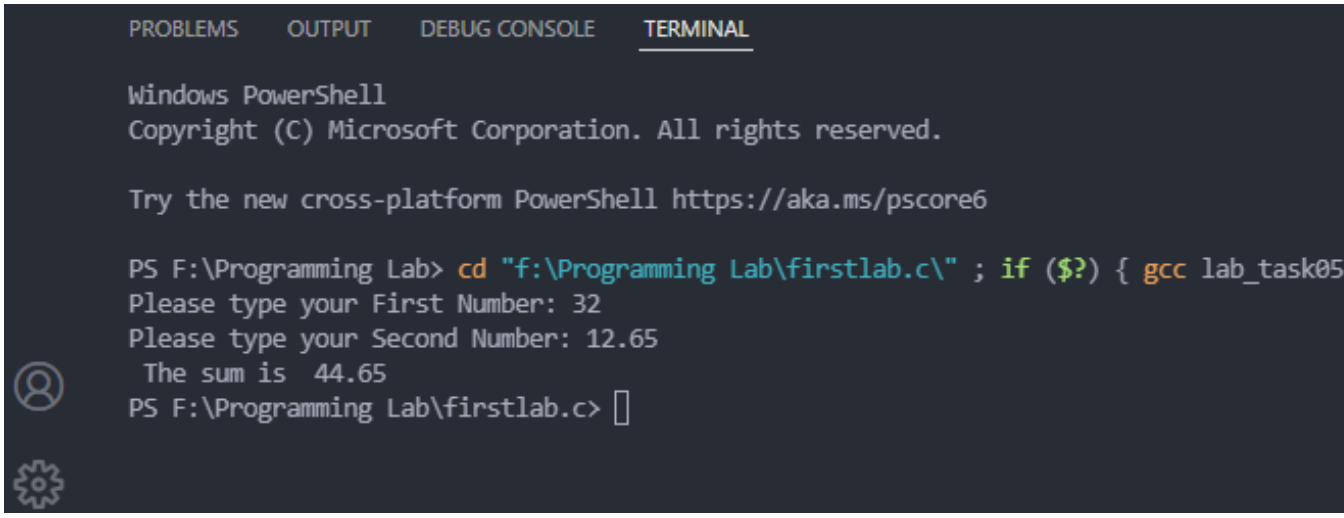
Step 6: Stop

IMPLEMENTATION



```
#include <stdio.h>
int main()
{
// take two variables a and b
float a,b;
printf("Please type youre first number: ");
scanf("%f", &a);
printf("Please type youre second number: ");
scanf("%f", &b);
//Now sum of two variables
float sum = a+b;
// Now output the sum of two variables
printf("the sum is %.2f", sum);
return 0;
}
```

TEST RESULT / OUTPUT



ANALYSIS AND DISCUSSION

In this program, we took two float variables a and b respectively. The user is asked to take two input numbers The two numbers are stored in these two variables. Then, these two numbers are added using the + operator with the assigning value sum variable, and the result is stored in the sum variable.