## Experiment No-2

**Experiment Name:** Write a C program to print sum of the two numbers.

**Objectives:**

- Learn with C programming how to take user input using scanf() and display output using printf().
- To learn structure a simple problem using an algorithm and flowchart with C programming.
- Ensure the program executes efficiently and produce accurate result using C programming.

**Problem Analysis:**

Design a program that takes two numbers input as identified as; c(int), d(int). The output of the program is to display the sum; the output parameter is identified as sum (int).

| Input variables | Processing variables | Output variables | Header files |
|---|---|---|---|
| c(int), d(int) | Sum=c+d | Sum(int) | <Stdio.h> |

**Algorithms:**

Step-1: Start

Step-2: Define variables: c(int), d(int), sum(int)

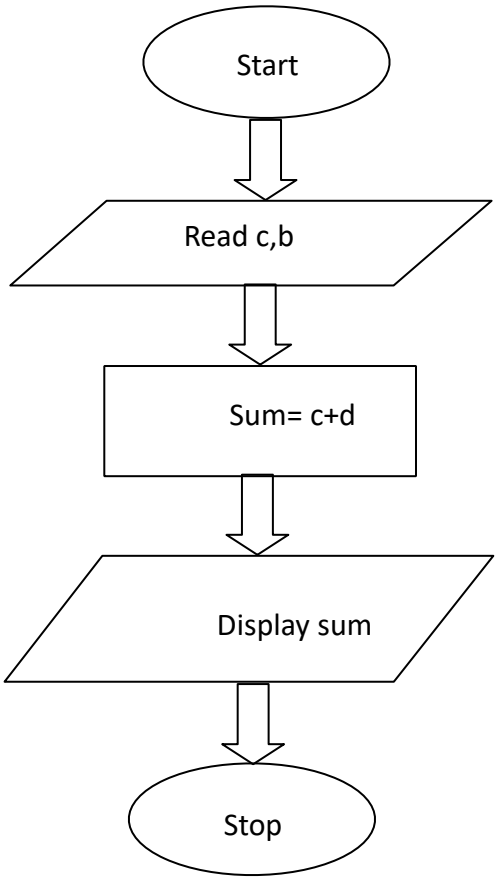
Step-3: Read value for c,d

Step-4: sum=c+d

Step-5: Display the sum

Step-6: Stop/End

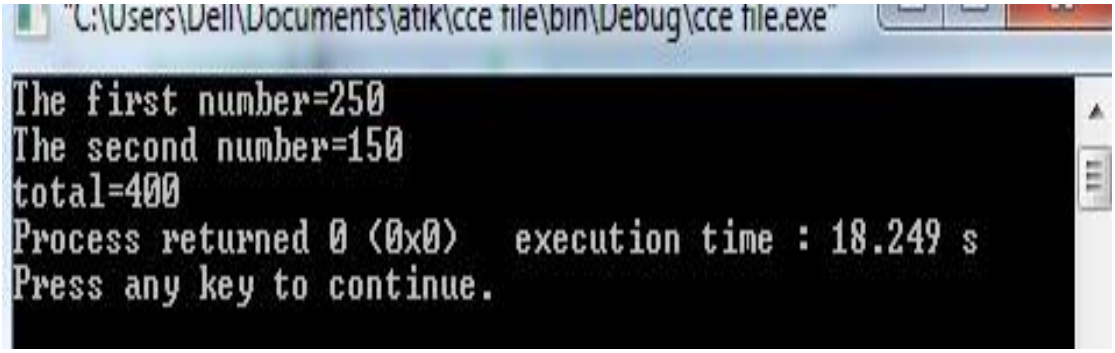
**Flowchart:**



**Source code:**

```c
#include<stdio.h>
int main()
{
int c,d,sum;
  printf("The first number=");
  scanf("%d",&c);
   printf("The second number=");
   scanf("%d",&d);
   sum=c+d;
   printf("total=%d",sum);
}
```

**Output:**




**Discussion:**

In this first lab of C programming, we have learned how to solve a problem with the help of C programming. Also learned about the basic structure of C programming. To understand about C input/output functions. By experimenting I have come to understand how a calculator adds many numbers.