## Experiment No: 19

## **Experiment Name:** Make Sum and Average from 1 to n

## **Objective:**

The objective of this codelab is to create a basic C program that performs the computation of the sum and average of a given set of numbers. Understanding how to handle user input and perform basic arithmetic operations is essential in programming.

# **Code:**

#include<stdio.h>

int main()

{

int i,n,sum=0,num;

float avg;

printf("How many Number you want?\n");

scanf("%d",&n);

for(i=0;i<n;++i)

{

scanf("%d",&num);

sum = sum +num;

}

avg = sum/(float)n;

printf("\nSum of %d Numbers = %d",n, sum);

printf("\nAverage of %d Numbers = %.2f",n, avg);

return 0;

}

# **Input:**

How many numbers do you want?

3

# **Output:**

Enter your element :

4

5

3

Sum of 3 Numbers = 12

Average of 3 Numbers = 4.00

## **Discussion:**

The implemented program successfully takes user input for a specified count of numbers, calculates the sum and average, and displays the results. The use of a loop simplifies the process of collecting multiple inputs.