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 #2
Course Title: Structured Programming Lab

Course Code: CSE 104 Section: DA

Lab Experiment Name: Write C Program to solve simple Arithmetic Operators

Student Details

Name	ID
Md. Kawsar Ahamed	213902013

Lab Date : **15 February 2022**
Submission Date : **22 February 2022**
Course Teacher's Name : **Md. Solaiman Mia**

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

Lab Report Status

Marks: …… **Signature:.....**
Comments:..... **Date:.....**

Problem - 1

1. TITLE OF THE LAB EXPERIMENT

Write a C Program to Calculate Area of a Square, take length of one side as user input.

2. OBJECTIVES

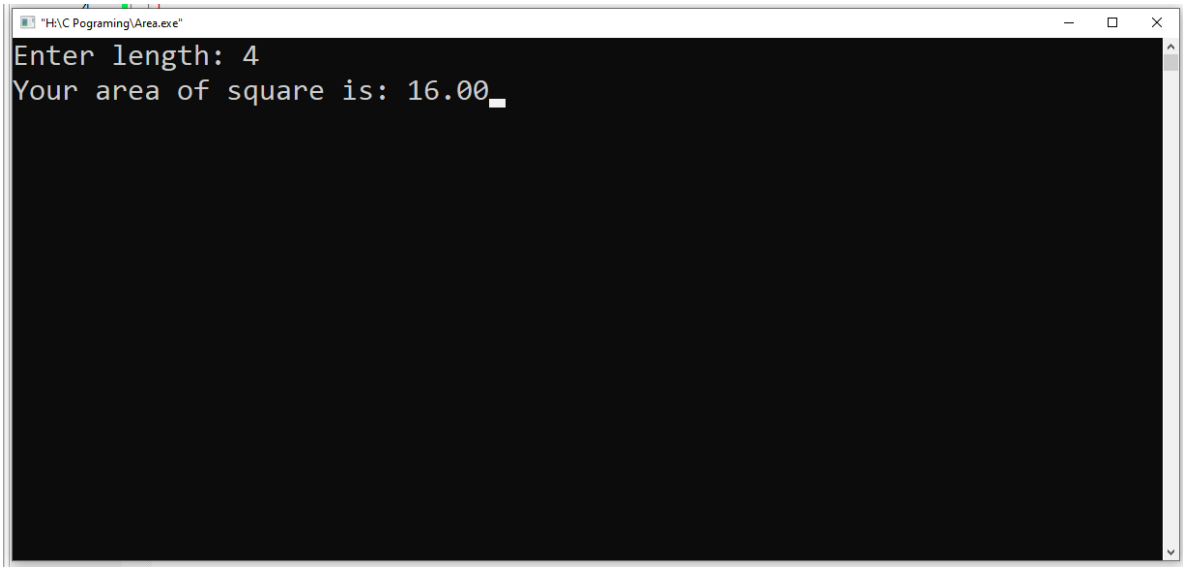
Here we are determining the area of a square.

3. PROCEDURE

Algorithm - Steps in pseudo code:
Step1: Start
Step2: declare float variable length.
Step3: Display a message on the monitor “Enter length”.
Step4: read length.
Step5: declare float variable area and calculate area (area = length * length)
Step6: Display the result of the area with a message.
Step7: end.

4. IMPLEMENTATION

5 . OUTPUT



6. ANALYSIS AND DISCUSSION

- We got the correct output
- To complete this assignment we did not face any problems
- We learned some of the basics of the C program from it
- We have solved the problem

7. SUMMARY:

We have completed the program by using C.

Problem - 2

1. TITLE OF THE LAB EXPERIMENT

Write a C program to enter temperature in Celsius and convert it into Fahrenheit.

2. OBJECTIVES

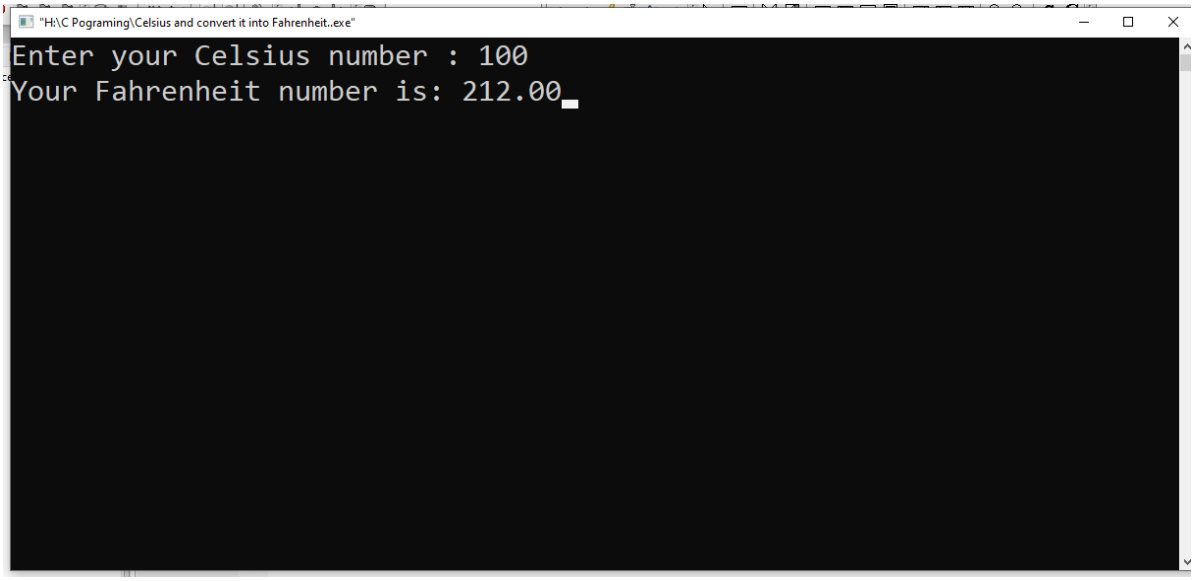
Here we are converting Celsius to Fahrenheit.

3. PROCEDURE

Algorithm - Steps in pseudo code:
Step1: Start
Step2: declare float variable cel.
Step3: Display a message on the monitor “Enter your Celsius number”.
Step4: read cel.
Step5: declare float variable fah and calculate fah = (cel * 9/5) + 32.
Step6: Display the result of the fah with a message.
Step7: end.

4. IMPLEMENTATION

5 . OUTPUT



6. ANALYSIS AND DISCUSSION

- We got the correct output
- To complete this assignment we did not face any problems
- We learned some of the basics of the C program from it
- We have solved the problem.

7. SUMMARY:
We have completed the program by using C.

Problem - 3

1.TITLE OF THE LAB EXPERIMENT

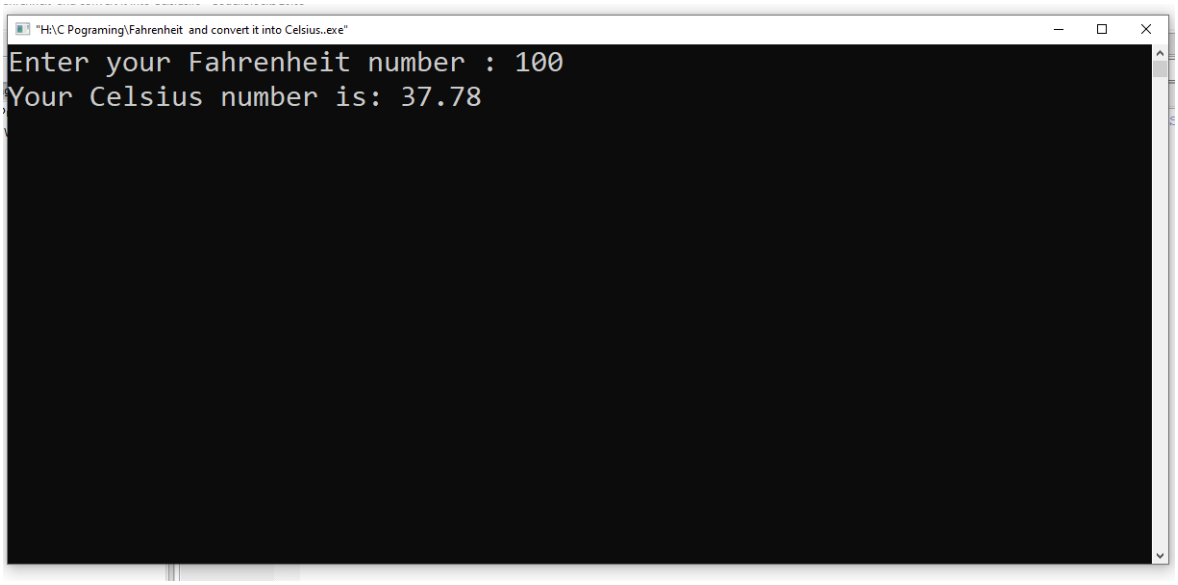
Write a C program to enter temperature in Fahrenheit(°F) and convert it into Celsius(°C).

2. OBJECTIVES
Here we are converting Fahrenheit to Celsius.

3. PROCEDURE
Algorithm - Steps in pseudo code:
Step1: Start
Step2: declare float variable fah.
Step3: Display a message on the monitor “Enter your Fahrenheit number”.
Step4: read fah.
Step5: declare float variable cel and calculate cel = (fah - 32) * 5/9.
Step6: Display the result of the cel with a message.
Step7: end.

4. IMPLEMENTATION

5 .OUTPUT



6. ANALYSIS AND DISCUSSION

- We got the correct output
- To complete this assignment we did not face any problems
- We learned some of the basics of the C program from it
- We have solved the problem

7. SUMMARY:

We have completed the program by using C.

Problem - 4

1.TITLE OF THE LAB EXPERIMENT

Write a C program to enter marks of five subjects and calculate total and average marks.

2. OBJECTIVES

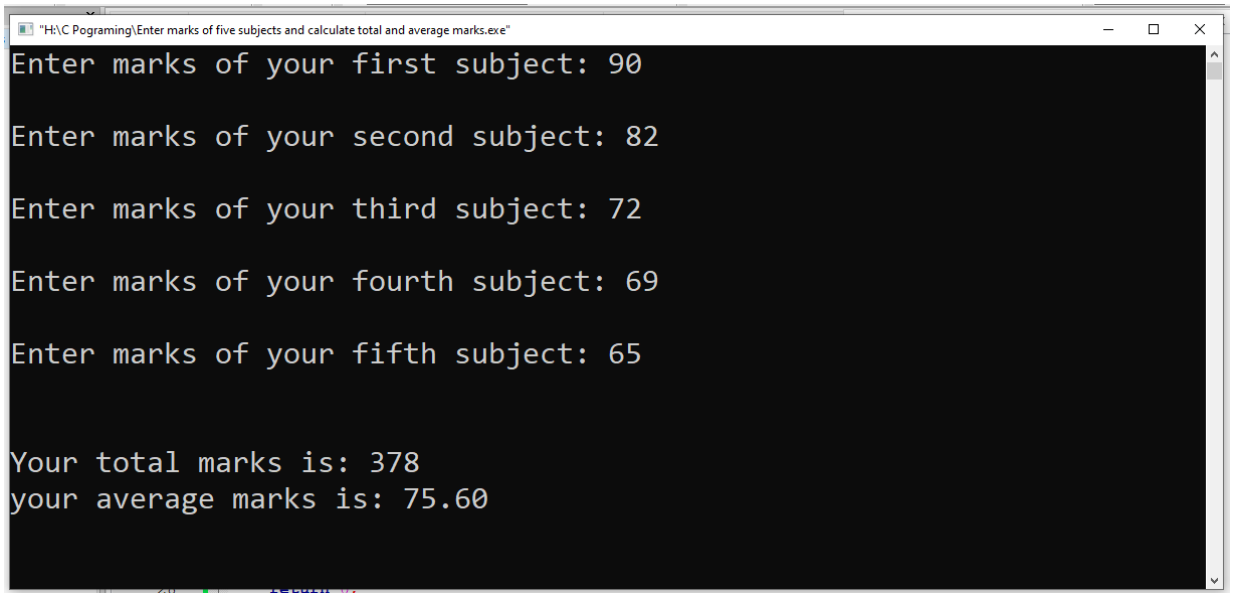
Here we are calculating the sum and average of the numbers obtained.

3. PROCEDURE

Algorithm - Steps in pseudo code:
Step1: Start
Step2: declare integer variable n1,n2,n3,n4,n5.
Step3: Display a message on the monitor “Enter your numbers” and read numbers in those variables.
Step4: declare float variable total and calculate total = n1+n2+n3+n4+n5.
Step5: declare float variable average and calculate average = total / 5.
Step6: Display the result of total and average with a message and end the program.

4. IMPLEMENTATION

5 .OUTPUT



6. ANALYSIS AND DISCUSSION

- We got the correct output
- To complete this assignment we did not face any problems
- We learned some of the basics of the C program from it
- We have solved the problem

7. SUMMARY:

We have completed the program by using C.