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| **UID no.** | 2023300010 |
| **Experiment No.** | 1 |

| **AIM:** | Use the formatted input/output statements, operators and expressions of C  language. |
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| **Program 1** | |
| **PROBLEM STATEMENT :** | Write a C program to input 2 numbers. Perform addition, subtraction, multiplication, division and modulus and display output. |
| **ALGORITHM:** | 1) **INITIALIZE :** NUM1, NUM2  2) **INPUT :** NUM1, NUM2  3) **SET :**  S = NUM1+ NUM2  D= NUM1 - NUM2  P = NUM1 \* NUM2  Q= NUM1 / NUM2  R= NUM1 % NUM2  4) **PRINT :**  "FIRST NUMBER IS NUM1 AND SECOND NUMBER IS NUM2"  "RESULT OF ADDITION IS S"  "RESULT OF SUBTRACTION IS D"  "RESULT OF MULTIPLICATION IS P"  "QUOTIENT OF DIVISION IS Q"  "REMAINDER OF DIVISION IS R" |
| **FLOWCHART:** |  |
| **PROGRAM:** |  |
| **RESULT:** | |
| **Program 2** | |
| **PROBLEM STATEMENT :** | WAP to Convert Celsius to Fahrenheit. Answer should be rounded upto 2 decimal places. |
| **ALGORITHM:** | 1) **INITIALIZE :** T  2) **INPUT :** T  3) **SET :** FAHR = T \* (9.0/5.0) + 32  4) **PRINT :** "Temperature in Fahrenheit is : FAHR" |
| **FLOWCHART:** |  |
| **PROGRAM:** |  |
| **RESULT:** | |
| **Program 3** | |
| **PROBLEM STATEMENT:** | WAP to Convert Foot to Meter. Answer should be rounded upto 3 decimal places. |
| **ALGORITHM:** | 1) **INITIALIZE :** X  2) **INPUT :** X  3) **SET :** M = X \* 0.3048  4) **PRINT :** "Length in meters is : M " |
| **FLOWCHART:** |  |
| **PROGRAM:** |  |
| **RESULT:** | |
| **Program 4** | |
| **PROBLEM STATEMENT:** | Write a C program to convert days into year, month and days. |
| **ALGORITHM:** | 1) **INITIALIZE :** N  2) **INPUT :** N  3) **SET :**  Y=N/365  M=(N%365)/30  RD=((N%365)%30)%7  4) **PRINT :** "Y YEARS M MONTHS RD DAYS" |
| **FLOWCHART:** |  |
| **PROGRAM:** |  |
| **RESULT:** | |