

## Lab Assignment 1

- 1) Complete the Code below. Trace and understand the Output given by the **Printf(" ") Function** from the Code below: -

```
.....  
    float a= 45.6, b=45.6, c= 45.6, d=45.6, e = 45.4;  
    printf( " %6.3f, %06.3f, %09.3f, %-09.3f, %6.0f", a, b, c, d, e );  
.....
```

- 2) WAP to evaluate the Expressions below by using the C operator precedence and associativity rules.

- a)  $7 * 1 - (5 \% 3) * 4 + 9$
- b)  $9 ** (6 \% 2) + 1 * 3$

- 3) WAP to perform following operation on two user input numbers:-

- (a) Addition
- (b) Subtraction
- (c) Multiplication
- (d) Division
- (e) Modular division

Note: Your program should consider both integer as well as floating number as input.

- 4) WAP in C to find if the student has passed in Mathematics in the Last Semester. The student has to secure 40% each in CA and SE (CA=50% AND SE=50%), meanwhile the total securing 50% at least at the end total.
- 5) WAP to check whether input alphabet is a vowel or not.