

## **LAB 2**

### **Objective(s):**

- To be familiar with different data types, Operators and Expressions in C.
1. Write a program to take input of name, rollno and marks obtained by a student in 5 subjects each have its 100 full marks and display the name, rollno with percentage score secured.
  2. Write a program to declare two integer and one float variables then initialize them to 10, 15, and 12.6. Also print the variable values in the screen.
  3. Write a C program to prompt the user to input 3 integer values and print these values in forward and reversed order.
  4. Write a program to calculate simple and compound interest.
  5. Write a program to swap two variables values with and without using third variables.
  6. Write a program to check odd or even number (a) using modulus operator (b) using bitwise operator (c) without using bitwise and modulus operator (d) using conditional operator.
  7. Print the value of y for given x=2 & z=4 and analyze the output.

a. <code>y = x++ + ++x;</code>	b. <code>y=++x + ++x;</code>
c. <code>y= ++x + ++x + ++x;</code>	d. <code>y = x&gt;z;</code>
e. <code>y= x&gt;z? x:z;</code>	f. <code>y = x&amp;z;</code>
g. <code>y= x&gt;&gt;2 + z&lt;&lt;1;</code>	
  8. Write a program to print the size of int, char, float, double and long double data types in C