# Lab Exercise 1

Write a program in C++

1. Check even or odd numbers

2. Program to swap two numbers

3. Square Root Program in C++

4. C++ program to find cube root of a number

5. Write a single program to -

    a. Declare an integer type variable name intNumber and assign it a value of 30.

    b. Declare a float type variable name floatNumber and assign it a value of 30.78.

    c. Declare a double type variable name doubleNumber and assign it a value of 45.1234.

    d. Declare a bool type variable name boolean and assign it a value of true.

    e. Declare a char type variable name charName and assign it a value of u.

    f. Lastly, print the values of all declared variables.

6. Write a code that will take your name, address, and phone number as input from the terminal and print it on the console.

7. Write a code in which you:

    a. First, compute the Squares of two Floating point variables a and b.

    b. Then Add them after taking squares.

    c. Now take Square Root of the answer.

    d. Use math library to compute the solution.

    e. Below is an illustration showing the formula you need to compute:


**Analyse Ques. 5 in terms of the ranges for the various data types. Create a table and Indicate each range separately.**