Lab 2: Data Types, Operators and Expressions in C++

Objectives

To be familiar with different data types, Operators and Expressions in C++.

Task Titles:

1. Write a program that takes the temperature in Fahrenheit from the user and convert it to Celsius And Kelvin:

   K = C + 273
   C = (F – 32) / 1.8

2. Write the C++ code that takes 5 numbers (a, b, c, d and e) from the user and display the output according to the following equation.

$$\frac{a^3 + b - d / b}{a\,(b + c\,(e + a) / b) - 5}$$

3. Write a program to declare two integer and one float variables then initialize them to 10, 11, and 12.6. Also print the variable values on the screen.

4. Write a C++ program to prompt the user to input 3 integer values and print these values in forward and reversed order.

5. Write a program to swap two variables values with and without using third variables.

6. Write a program to calculate area of a circle having its radius (ask user to input radius).