EXPERIMENT-3: Programming Sequential Logic

Objective: To code sequential logic in C language

List of Lab Activities:
Write algorithm and C program, compile, execute and test the code using Linux C compiler with suitable test cases.

1. Obtain the required inputs and compute the areas of the following shapes: (i) Parallelogram (with base and height), (ii) Trapezoid (with height, long base, short base), (iii) Rhombus (with height and side), (iv) Sphere (with radius), (v) Ellipse (with major and minor radius)
2. Given two numbers. Demonstrate the swapping of the values (i) using a third variable (ii) without using a third variable
3. Convert temperature from Celsius to Fahrenheit and Kelvin.
4. Print the given days in years-week-days format. E.g. 373 days = 1 year, 1 week, 1 day