

LAB 5: PROGRAMMING IN C

OBJECT 1: Write a C Program to take two integers from user and apply three basic arithmetic operations (+ , - , *) on them and print the result.

OBJECT 2: Write a C-Program to swap two integer numbers without and with using third variable.

OBJECT 3: Write a C-Program to take perpendicular and base value of right angled triangle and find the third side of the triangle by ($H^2 = B^2 + P^2$). Also find the area and the perimeter of the triangle. ($A = \frac{1}{2} B * H$) ($P = \text{sum of all sides}$)

OBJECT 4: Design a basic arithmetic and geometry calculator application. Some of the important functions may include.

- 1) Square
- 2) Square Root
- 3) Log2
- 4) Division
- 5) Area/Perimeter of Rectangle
- 6) Area/Perimeter of Square
- 7) Area/Perimeter of Triangle
- 8) Area and Circumference of Circle
- 9) Calculations of Interior and Exterior angles