

# Lab 1

## Instructions:

1. Please write the algorithms in your copy first. Then proceed with the code.
2. Please use Dev C ++ for coding
3. Create a folder on the Desktop – name it with your roll number. Use it to store your codes.
4. Each code file should follow naming convention: problem\_number.c

## Problems:

1. Take the input of two sides of a rectangle. Find and display the perimeter and area of the rectangle.
2. Take input of the radius of a circle(float). Find and display the area and circumference of the circle.
3. Given Principal amount, Rate of interest and number of years. Calculate and display the simple interest.
4. Take the input of marks of a student for five subjects( each out of 100). Calculate and display total percentage, average and standard deviation.
5. Take the input of three sides of a triangle ( float). Calculate and display the area of the triangle.
6. Take the input of two points A(x1,y1) and B(x2,y2) in a 2D plane. Find and display the between two points A and B.