C Programming Practice Problem

Part - 1

Allowed Programming Language: C

1. Write a program to find the addition, subtraction, multiplication and division of two integers.

2. Write a program to read length in centimeter scale and convert it into inch scale.

3. Write a program to convert temperature reading in degree Fahrenheit to degree Celsius scale using the formula C = (5/9)*(F-32)

4. Write a program to read the radius of a circle and calculate its area and circumference.

5. X, Y, Z are the marks of a student. Write a program to find the total and average marks of the student.

6. Write a program to compute the area of a triangle given the values of A, B and C.
   Using the formula: *area = square_root(S(S-A) (S-B) (S-C))* where A, B, C are the sides of the triangle and *2S = A + B + C*

7. Write a program to calculate the roots of a quadric equation $ax^2 + bx + c$ where a, b, c are known.

8. Write a program to show the ranges and bit width of different data types.