Lab Task 04

Task 01

Write a program to find circumference of a circle. The program should take radius input from user and display the circumference.
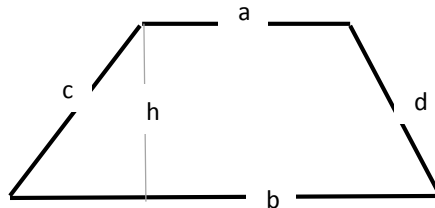
$$circumference = 2\pi r \ (where\ PI\ is\ a\ constant\ value\ of\ 3.1415\ and\ r\ is\ radius)$$

*Note: Declare **PI** as constant*

Task 02

An insurance company offers its employees base monthly salary of Rs. 20,000. An employee also gets bonus of 2,000 for each client who activates an insurance policy in the company. Each employee also gets increment of 3,000 as experience allowance after every year. Write a program to calculate the total monthly salary of an employee. The program should ask an employee to enter total number of service years in the company and number of clients he/she provided to the company during the month.

Task03

Calculate the area of a trapezoid by taking values of different sides from user. $A = \dfrac{a+b}{2}h$

Task 04

Find roots of some quadratic equation $ax^2 + bx + c = 0$ using quadratic formula as:

$$firstRoot = \frac{-b + \sqrt{b^2 - 4ac}}{2a}$$

$$secondRoot = \frac{-b - \sqrt{b^2 - 4ac}}{2a}$$

Take values of a, b and c from user.