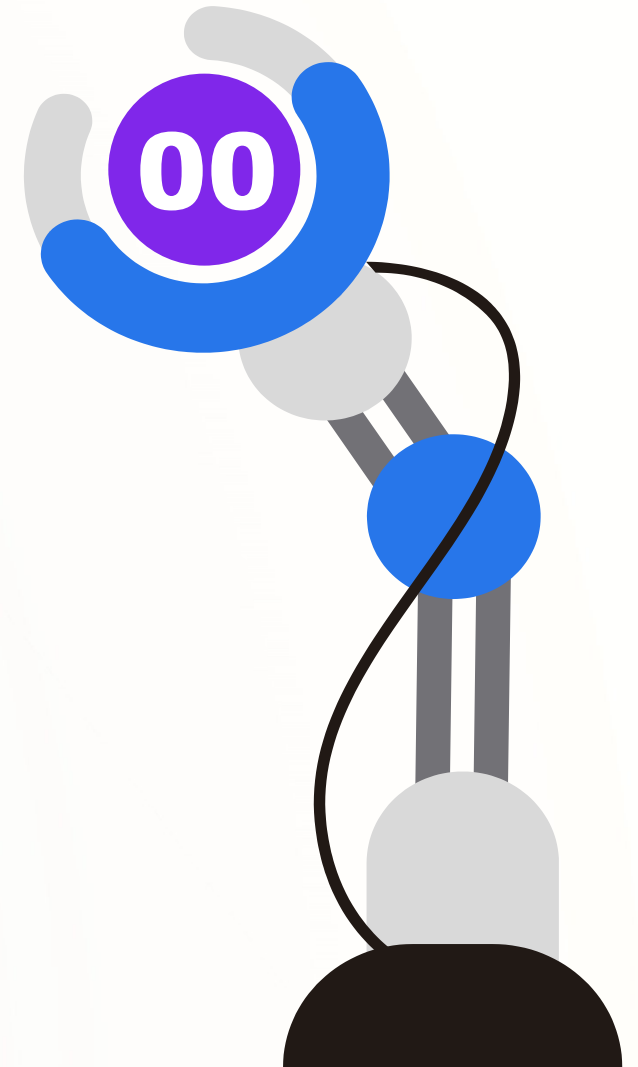


Computational Thinking and Programming

Practice Session on C Programming

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Practice Program #1



Problem Description:

Write a C Program to read three integer numbers: x, y, and z from user and evaluate the following mathematical function:

$$xy + yz + zx$$

Sample Input: Enter three integers: 2 3 4

Sample Output: The result is 26

Practice Program #2



Problem Description:

Write a C program to read three decimal numbers a , b , and h from the user and calculate the area of a trapezium.

$$\text{Trapezium Area, } A = \frac{1}{2} (a + b) \times h$$

Sample Input: Enter three decimal numbers (a , b , h): 5.0 7.0 4.0

Sample Output: Area of the trapezium: 24.00



Practice Program #3



Problem Description:

Write a C program to read decimal r from user and calculate the volume of a Cylinder.

$$\text{Volume, } V = \pi r^2 h$$

Sample Input: Enter the radius and height: 3.0 5.0

Sample Output: Volume of the cylinder: 141.37



Practice Program #4



Problem Description:

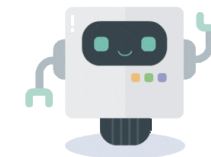
Write a C program to read integer a from user and calculate the area of square.

Square Area, $A = a^2$

Sample Input: Enter a: 5

Sample Output: Square Area is 25





Any Question?



