Problem Solving

Topics Covered:

Module 1-5

Finding the Sum of Two Numbers

Sample Input: num1 = 5

                        num2 = 10

Sample Output: Sum: 15

Topics Covered:

Input and Output, Variables, Arithmetic Operators.

Finding the Area of a Circle

Sample Input: radius = 5

Sample Output: Area of the circle: 78.53981633974483

Topics Covered:

Input and Output, Variables, Arithmetic Operators.

Solving Quadratic Equations

Sample Input: a = 1

b = -3

c = 2

Sample Output: Roots: (2.0, 1.0)

Topics Covered:

Input and Output, Variables, Arithmetic Operators.

Swap the values of two variables without using a temporary variable

Sample Input:
a = 10
b = 20

Sample Output:
After Swapping
a = 20
b = 10

Converting Temperature Units

Sample Input: temperature_celsius = 30

Sample Output: Temperature in Fahrenheit: 86.0
Temperature in Kelvin: 303.15

Topics Covered:

Input and Output, Variables, Arithmetic Operators.

Basic Currency Converter

Sample Input: amount_in_usd = 100

                                exchange_rate_usd_to_eur = 0.85

Sample Output: Equivalent amount in EUR: 85.0

Practice Assignment Problems