



PG - DAC March 2024
Logical Building & Problem Solving
Assignment - 2 (Date:07/03/2024)

1. Write a C program to print the following characters in reverse.

Test Characters: 'X', 'M', 'L'

Expected Output: The reverse of XML is LMX.

2. Write a C program to compute the perimeter and area of a rectangle with a height of 7 inches and width of 5 inches.

Expected Output:

Perimeter of the rectangle = 24 inches

Area of the rectangle = 35 square inches

3. Write a C program to compute the perimeter and area of a circle with a given radius.

Expected Output:

Perimeter of the Circle = 37.680000 inches

Area of the Circle = 113.040001 square inches

4. Write a C program to display multiple variables. Sample

Variables :

a+ c, x + c,dx + x, ((int) dx) + ax, a + x, s + b, ax + b, s +c, ax+c, ax + ux

Declaration :

int a = 125, b = 12345;

long ax = 1234567890;

short s = 4043;

float x = 2.13459;

double dx = 1.1415927;

char c = 'W';

unsigned long ux = 2541567890;

5. Write a C program to convert specified days into years, weeks and days.
Note: Ignore leap year.

Test Data :

Number of days : 1329

Expected Output :

Years: 3

Weeks: 33

Days: 3

6. Write a C program that accepts two integers from the user and calculates the sum of the two integers.

Test Data :

Input the first integer: 25

Input the second integer: 38

Expected Output:

Sum of the above two integers = 63

7. Write a C program that accepts two integers from the user and calculates the product of the two integers. Test Data :

Input the first integer: 25

Input the second integer: 15

Expected Output:

Product of the above two integers = 375

7. Write a program that prompts the user to enter two numbers, adds them together, and prints the result to the console.