

CSE115L.12 – Homework1

1. Write a C program to print your name, date of birth. and mobile number.

Name : Alexandra Abramov
DOB : July 14, 1975
Mobile : 99-9999999999

2. Write a program to read four integers and find the minimum of these numbers. You can declare four different variables or an array of four integers.

Integer Array: 10,11,13,10
Min: 10

3. Read the length of three sides of a triangle and then print whether the triangle is equilateral or isosceles or scalene.

Side A: 10
Side B: 10
Side C: 9
The Triangle is isosceles.

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

Test Characters: 'X', 'M', 'L'
Expected Output:
The reverse of XML is LMX

5. 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

6. Write a C program to compute the perimeter and area of a circle with a radius of 6 inches

Expected Output:
Perimeter of the Circle = 37.680000 inches
Area of the Circle = 113.040001 square inches

7. Write a C program to display multiple 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;

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char c = 'W';  
unsigned long ux = 2541567890;
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8. **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

9. **Write a C program that accepts two integers from the user and calculate the sum of the two integers.**

Input the first integer: 25

Input the second integer: 38

Expected Output:

Sum of the above two integers = 63

10. **Write a C program that accepts two integers from the user and calculate 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