



COURSE: (CL-1004) OBJECT ORIENTED PROGRAMMING LAB
LAB TASK # 2

NOTE: Late submissions will NOT be accepted for any task/assignment.

Submit .cpp file of each question in a folder. Anyone who submits any other format file will get straight **ZERO**. Each question should have a separate .cpp file. Copy Paste or other UFM will also get **ZERO**. Use the following format for naming the folder Roll#_Name_Lab01 (P18-1234_NAME_Lab02)

QNo.01: Write a program that takes two numbers from the user and perform all arithmetic operations.

1. Addition
2. Subtraction
3. Division
4. Multiplication
5. Remainder

Note: Take values from user at runtime using cin

Q No.02: Write a C++ program that ask the user to input his/her full name (firstName lastName). Change its 5th and 10th character to underscore * and display the updated full name on the screen. Hint: use getline() for full name.

Q No.03: Ask user to enter a five-digit number and then display the last 3 digits in reverse order.

Sample output:

Enter your 5 digit number: 76543

Last 3 digit in reverse: 345

QNo.04: If you have two fractions, a/b and c/d, their sum can be obtained from the formula

$$\frac{a}{b} + \frac{c}{d} = \frac{a*d + b*c}{b*d}$$

For example, 1/4 plus 2/3 is

$$\frac{1}{4} + \frac{2}{3} = \frac{1*3 + 4*2}{4*3} = \frac{3 + 8}{12} = \frac{11}{12}$$

Write a program that encourages the user to enter two fractions, and then display their sum in fractional form. (You don't need to reduce it to lowest terms.) The interaction with the user might look like this:

Enter first fraction: 1/2

Enter second fraction: 2/5

Sum = 9/10

Note: Take values from user at runtime using cin