

C-Lab-1

1. Write a program to accept two numbers and perform all the basic **arithmetic operations** and display the result.
2. Write a program to accept a number from the user and perform **unary operations** and print the result.
3. Write a program where the user reads three values to the variables x,y,z and formulate the result using the formula $((x+y)*z/y) + (x*z)-y$.
4. Write a program to read two numbers from the user and find the result for bitwise **OR , AND, XOR, Compliment, Rightshift by 2 and Leftshift by2**.
5. Write a program that will **find area of a rectangle** when length and breadth are given by the user.
6. The information about colors is to be stored in a char variable called color. I can have the values 'v','i','b','g','y','o','r'. Write a program that asks the user to **enter a color code** and based on that it reports which colors in the rainbow does the code represents.
7. Write a program to **enter the temperature and print the** following **message** according to the given temperature by using if else ladder statement.

T<=0	"Its very very cold".
0 < T < 10	"Its cold".
10 < T <=20	"Its cool outside".
20 < T <=30	"Its warm".
T>30	"Its hot".
8. Write a program to **read marks** of four subjects and **find the average** of the marks and **print the grade** following the rules as:-

A	>90
B	80-90
C	60-79
D	50-60
F	<50
9. If the ages of Ram, Shyam and Ajay are input through the keyboard, write a program **to determine the youngest** of the three.
10. Write a program to determine whether the **year** read is a **leap year or not**.