

## Lab Cycle #1

1. How you can display message in C. Write a program to display "Let there be Peace"
2. What is operator? WAP to input two number and display sum, difference, product and quotient in C.
3. WAP to calculate root of 2<sup>nd</sup> degree equation
4. WAP to input principal, time and rate and display simple interest.
5. WAP to input temperature in degree Celsius and display it in Fahrenheit
6. What is compound operator? WAP illustration use of all compound operator.
7. WAP to check whether a number is even or odd.
8. Write a C program to check whether a number is negative, positive or zero.
9. Write a C program to find maximum between three numbers.
10. Write a C program to check whether a year is leap year or not.
11. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:  
Percentage  $\geq$  90% : Grade A  
Percentage  $\geq$  80% : Grade B  
Percentage  $\geq$  70% : Grade C  
Percentage  $\geq$  60% : Grade D  
Percentage  $\geq$  40% : Grade E  
Percentage  $<$  40% : Grade F
12. Write a menu driven program print days name as per user input. (1  $\rightarrow$  Sunday, 2- $\rightarrow$  Monday, ...)
13. Write a C program to input electricity unit charges and calculate total electricity bill according to the given condition:  
For first 50 units Rs. 0.50/unit  
For next 100 units Rs. 0.75/unit  
For next 100 units Rs. 1.20/unit  
For unit above 250 Rs. 1.50/unit  
An additional surcharge of 20% is added to the bill
14. Write a program to input three coordinate of triangle and display whether it is equilateral, isosceles or scalene triangle.
15. Write a C program to input month number and print number of days in that month.