**Assignment\_02**

**1. Write a C program to find maximum between two numbers using conditional operator.  
  
2. Write a C program to find maximum between three numbers using conditional operator.  
  
3. Write a C program to check whether a number is even or odd using conditional operator.  
  
4. Write a C program to check whether year is leap year or not using conditional operator.  
  
5. Write a C program to check whether character is an alphabet or not using conditional operator.  
  
6. Write a C program to swap two numbers using bitwise operator.  
  
7. Write a C program to performs mathematical operations such as addition, subtraction, multiplication, division etc on numerical values (constants and variables).**  
  
  Operator    Meaning of Operator  
     +        addition or unary plus  
     -        subtraction or unary minus  
     \*        multiplication  
     /        division  
     %        remainder after division (modulo division)  
  
  
  Output:- if a=9 and b = 4 then  
    a+b = 13  
    a-b = 5  
    a\*b = 36  
    a/b = 2  
    Remainder when a divided by b=1  
  
  
**8.  Write a C program A relational operator checks the relationship between two operands.**  
**If the relation is true, it returns 1; if the relation is false, it returns value 0.**  
Operator    Meaning of Operator    Example  
==    Equal to                  5 == 3 is evaluated to 0  
>    Greater than                  5 > 3 is evaluated to 1  
<    Less than                  5 < 3 is evaluated to 0  
!=    Not equal to                  5 != 3 is evaluated to 1  
>=    Greater than or equal to      5 >= 3 is evaluated to 1  
<=    Less than or equal to           5 <= 3 is evaluated to 0  
  
  
**9. An expression containing logical operator returns either 0 or 1 depending upon whether expression results true or false. Logical operators are commonly used in decision making in C programming.**  
  
  Operator      
  &&  
  ||  
  !  
  
**10. Write a C program to enter a four digit number and print all digit.  
  
11. Write a C program to enter a five digit number and find sum and difference of all digit.  
  
12. Write a C program to enter a five digit number and find sum and difference of 1st , 3rd , 5th digit number.**