**List of programs**

..  I.          Write a C program to find maximum between two numbers.

...     II.          Write a C program to find maximum between three numbers.

...   III.          Write a C program to check whether a number is negative, positive or zero.

...   IV.          Write a C program to check whether a number is divisible by 5 and 11 or not.

... V.          Write a C program to check whether a number is even or odd.

... VI.          Write a C program to check whether a year is leap year or not.

….  VII.          Write a C program to check whether a character is alphabet or not.

….  VIII.          Write a C program to input any alphabet and check whether it is vowel or consonant.

….IX.          Write a C program to input any character and check whether it is alphabet, digit or special character.

...    X.          Write a C program to check whether a character is uppercase or lowercase alphabet.

….   XI.          Write a C program to input week number and print week day.

….XII.          Write a C program to input month number and print number of days in that month.

…..   XIII.          Write a C program to count total number of notes in given amount.

…. XIV.          Write a C program to input angles of a triangle and check whether triangle is valid or not.

...    XV.          Write a C program to input all sides of a triangle and check whether triangle is valid or not.

….. XVI.          Write a C program to check whether the triangle is equilateral, isosceles or scalene triangle.

XVII.          Write a C program to find all roots of a quadratic equation.

….  XVIII.          Write a C program to calculate profit or loss.

...       XIX.          Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:

Percentage >= 90% : Grade A

Percentage >= 80% : Grade B

Percentage >= 70% : Grade C

Percentage >= 60% : Grade D

Percentage >= 40% : Grade E

Percentage < 40% : Grade F

...  XX.          Write a C program to input basic salary of an employee and calculate its Gross salary according to following:

Basic Salary <= 10000 : HRA = 20%, DA = 80%

Basic Salary <= 20000 : HRA = 25%, DA = 90%

Basic Salary > 20000 : HRA = 30%, DA = 95%

...       XXI.          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

1)  Using For Loop:-

...1)      Write a C program to print all natural numbers from 1 to n. - using while loop

...2)      Write a C program to print all natural numbers in reverse (from n to 1). - using while loop

...3)      Write a C program to print all alphabets from a to z. - using while loop

…..4)      Write a C program to print all even numbers between 1 to 100. - using while loop

….5)      Write a C program to print all odd number between 1 to 100.

...6)      Write a C program to find sum of all natural numbers between 1 to n.

..7)      Write a C program to find sum of all even numbers between 1 to n.

...8)      Write a C program to find sum of all odd numbers between 1 to n.

..9)      Write a C program to print multiplication table of any number.

...10)   Write a C program to count number of digits in any number.

...11)   Write a C program to find first and last digit of any number.

...12)   Write a C program to find sum of first and last digit of any number.

...13)   Write a C program to swap first and last digits of any number.

….14)   Write a C program to calculate sum of digits of any number.

….15)   Write a C program to calculate product of digits of any number.

….16)   Write a C program to enter any number and print its reverse.

...17)   Write a C program to enter any number and check whether the number is palindrome or not.

…...18)   Write a C program to find frequency of each digit in a given integer.

...19)   Write a C program to enter any number and print it in words.

…..20)   Write a C program to print all ASCII character with their values.

….21)   Write a C program to find power of any number using for loop.

…..22)   Write a C program to enter any number and print all factors of the number.

….23)   Write a C program to enter any number and calculate its factorial.

...24)   Write a C program to find HCF (GCD) of two numbers.

…..25)   Write a C program to find LCM of two numbers.

...26)   Write a C program to check whether a number is Prime number or not.

….27)   Write a C program to print all Prime numbers between 1 to n.

...28)   Write a C program to find sum of all prime numbers between 1 to n.

...29)   Write a C program to enter any number and print its prime factors.

….30)   Write a C program to check whether a number is Armstrong number or not.

….31)   Write a C program to print all Armstrong numbers between 1 to n.

…..32)   Write a C program to check whether a number is Perfect number or not.

…..33)   Write a C program to print all Perfect numbers between 1 to n.

….34)   Write a C program to check whether a number is Strong number or not.

35)   Write a C program to print all Strong numbers between 1 to n.

….36)   Write a C program to print Fibonacci series up to n terms.

37)   Write a C program to find one's complement of a binary number.

38)   Write a C program to find two's complement of a binary number.

….39)   Write a C program to convert Binary to Octal number system.

…..40)   Write a C program to convert Binary to Decimal number system.

...41)   Write a C program to convert Binary to Hexadecimal number system.

...42)   Write a C program to convert Octal to Binary number system.

….43)   Write a C program to convert Octal to Decimal number system.

….44)   Write a C program to convert Octal to Hexadecimal number system.

….45)   Write a C program to convert Decimal to Binary number system.

…..46)   Write a C program to convert Decimal to Octal number system.

…..47)   Write a C program to convert Decimal to Hexadecimal number system.

...48)   Write a C program to convert Hexadecimal to Binary number system.

...49)   Write a C program to convert Hexadecimal to Octal number system.

...50)   Write a C program to convert Hexadecimal to Decimal number system.

….51)   Write a C program to print Pascal triangle upto n rows.

…..52)   Star pattern programs - Write a C program to print the given star patterns.

53)   Number pattern programs - Write a C program to print the given number patterns.