# PROBLEMS LIST FOR ASSIGNMENT

1.  Program to find sum, subtract, division, multiplication, remainder and average of two numbers.
2.  Program to find area and circumference of circle.
3.  Program to convert temperature from degree centigrade to Fahrenheit.
4.  Program to show swap of two no's without using third   variable
5.  Program to find greatest in 3 numbers.
6.  Program to find GCD of 3 integer Numbers
7.  Program to find LCM of 3 Integer Numbers.
8.  Program to find that entered year is leap year or   not
9.  Program to display arithmetic operator using switch case.
10. Program to find whether given no. is a prime no. or    not.
11. Program to find factorial of a  number
12. Program to display sum of series 1+1/2+1/3+……….+1/n.


13. Program to display series and find sum of 1+3+5+……..+n.
14. Program to find whether a string is palindrome or   not.
15. A program to evaluate the equation $y=xn$ when n is a non-negative integer.
16. Shown below is a Floyd's triangle.

     1

     2  3

     4  5  6

     7  8  9  10

     11. . . . . . . . . .15

Write a C program to print this triangle.

17. Write a C program that calculates the sum of the digits of an integer. For example, the sum of the digits of the number 2155 is 2+1+5+5 or 13. The program should accept any arbitrary integer typed in by the user

18. Given a list of marks ranging from 0 to 100, write a C program to compute and print the number of students:

i) who have obtained 75 marks or more,

ii) who have scored 60 or more but less than 75 marks,

iii) who have scored 40 or more but less than 60 marks.

19. Program to reverse a given number.

20. Calculate the area of a triangle with sides a, b and c using the following system:

$$s = \text{semi perimeter} = (a+b+c)/2$$

$$a = \text{srea} = \sqrt{s(s-a)(s-b)(s-c)}.$$

21. Program to print Fibonacci series up to 100.

22. Program to print following star sequences

```
*
**
***
****
*****
```

23. Program to print following stars Sequence

```
    *
   **
  ***
 ****
*****
```

24. Write a C program to print the following outputs:

```
        1
       2 2
      3 3 3
     4 4 4 4
    5 5 5 5 5
```

25. Write a program in C to convert the lowercase letter in upper case.