Write Programs using Looping statements.

1. Write Program to display first 10 even numbers.
2. Write Program to display first 10 odd numbers.
3. Write Program to find sum of first 10 even numbers.
4. Write Program to find sum of first 10 odd numbers.
5. Enter a number and find if it is prime or not.
6. Write a program which asks user to enter numbers till he or she enters 0, then display the sum of first all positive numbers entered, number of odd numbers entered, number of even numbers entered, and number of prime numbers entered.
7. Enter a number and find its factorial.
8. Enter a number and find the sum of all the digits of the number.
9. Enter a number and display its reverse.
10. Enter a digit and display its multiplication table.
11. Enter a number and a digit and find how many times the digit occurs in that number.
12. Find the sum of the following series
    a. $1^2 + 2^2 + 3^2 + 4^2 + ...$
    b. 1 - 2 + 3 - 4 + 5 – 6 + …….
    c. 1/1! + 2/2! + 3/3! + ……
    d. ½ + ¾ + 5/6 +……
    e. 1! + 21 + 3! + 4! + ……
    f. 1+2+3+4+5+…+n
    g. 1 + 1/2 + 1/3 + 1/4 + 1/5 + 1/6 +……+ 1/n
    h. 1 + 1/(2*2) + 1/(3*3) + 1/(4*4) + ….. + 1/(n*n)
    i. $1 + 3^2/3^3 + 5^2/5^3 + 7^2/7^3$ + ... till N terms

j. 1/1! + 2/2! + 3/3! + 4/4! +.....+ n/n!

k. 1/1! + 1/2! + 1/3! + 1/4! + .. + 1/n!

l. 1/1! + 2/2! + 3/3! +……..

m. 1*3 + 3*5 + 5*7 + …

n. 1 + 1/2^2 + 1/3^3 + …..+ 1/n^n

o. 1/a + 2/a2 + 3/a3 + … + n/an.

13. Write a C program to print all natural numbers from 1 to n. using while loop
14. Write a C program to print all natural numbers in reverse (from n to 1). - using while loop
15. Write a C program to print all alphabets from a to z. - using while loop
16. Write a C program to print all even numbers between 1 to 100. - using while loop
17. Write a C program to print all odd number between 1 to 100.
18. Write a C program to find sum of all natural numbers between 1 to n.
19. Write a C program to find sum of all even numbers between 1 to n.
20. Write a C program to find sum of all odd numbers between 1 to n.
21. Write a C program to print multiplication table of any number.
22. Write a C program to count number of digits in a number.
23. Write a C program to find first and last digit of a number.
24. Write a C program to find sum of first and last digit of a number.
25. Write a C program to swap first and last digits of a number.
26. Write a C program to calculate sum of digits of a number.
27. Write a C program to calculate product of digits of a number.
28. Write a C program to enter a number and print its reverse.
29. Write a C program to check whether a number is palindrome or not.
30. Write a C program to find frequency of each digit in a given integer.

31. Write a C program to enter a number and print it in words.
32. Write a C program to print all ASCII character with their values.
33. Write a C program to find power of a number using for loop.
34. Write a C program to find all factors of a number.
35. Write a C program to calculate factorial of a number.
36. Write aC program to find HCF (GCD) of two numbers.
37. Write a C program to find LCM of two numbers.
38. Write a C program to check whether a number is Prime number or not.
39. Write a C program to print all Prime numbers between 1 to n.
40. Write a C program to find sum of all prime numbers between 1 to n.
41. Write a C program to find all prime factors of a number.
42. Write a C program to check whether a number is Armstrong number or not.
43. Write a C program to print all Armstrong numbers between 1 to n.
44. Write a C program to check whether a number is Perfect number or not.
45. Write a C program to print all Perfect numbers between 1 to n.
46. Write a C program to check whether a number is Strong number or not.
47. Write a C program to print all Strong numbers between 1 to n.
48. Write a C program to print Fibonacci series up to n terms.
49. Write a C program to find one's complement of a binary number.
50. Write a C program to find two's complement of a binary number.
51. Write a C program to convert Binary to Octal number system.
52. Write a C program to convert Binary to Decimal number system.
53. Write a C program to convert Binary to Hexadecimal number system.
54. Write a C program to convert Octal to Binary number system.

55. Write a C program to convert Octal to Decimal number system.
56. Write a C program to convert Octal to Hexadecimal number system.
57. Write a C program to convert Decimal to Binary number system.
58. Write a C program to convert Decimal to Octal number system.
59. Write a C program to convert Decimal to Hexadecimal number system.
60. Write a C program to convert Hexadecimal to Binary number system.
61. Write a C program to convert Hexadecimal to Octal number system.
62. Write a C program to convert Hexadecimal to Decimal number system.
63. Write a C program to print Pascal triangle upto n rows.