1. Write a program in C to display message **This is my first program**\\ in single quote.
2. Write a program in C to display numbers from 1 to 100.
3. Write a program in C to display numbers from m to n. The values for m and n are given by user.
4. Write a program in C to sum all numbers from m to n. The values for m and n are given by user.
5. Write a program in C to display the table of any given number.
6. Write a program in C to display all even and odd numbers from m to n. The values of m and n are given by user.
7. Write a program in C to display the following series- 5 10 15 20 25 30 35…..n terms.
8. Write a program in C to display the following series- 0 1 1 2 3 5 8 13 ….n terms.
9. Write a program in C to display the following series- 0 1 1 2 4 7 13 24… n terms.
10. Write a program in C to display the following series- 5 25 125 625 … n terms.
11. Write a program in C to display the sum of following series- 5 10 13 26 29 58 61 122…. N terms.
12. Write a program in C to display the following series- 2 9 28 65 126 217 … n terms.
13. Write a program in C to display the sum of the following series-
    $1 + X + X^2 + X^3 + X^4$ +…… n terms.
14. Write a program in C to display the sum of the following series-
    $1 + X^2 + X^4$ +…… n terms.
15. Write a program in C to display the sum of the following series-
    $X + X^3 + X^5$ +…… n terms.
16. Write a program in C to display the sum of the following series-
    $1 + (X/1) + (X^2 /2) + (X^3 /3) + (X^4 / 4)$+…… n terms.
17. Write a program in C to display the sum of the following series-
    $1 + X +(X^2 / !2)+ (X^3 / !3) + (X^4 / !4)$ +…… n terms.
18. Write a program in C to display the sum of the following series-
    $1 - X + (X^2 / !2) - (X^3 / !3) + (X^4 / !4)$ - …… n terms.
19. Write a program in C to convert the distance in kilo meter to meter and vice-versa.
20. Write a program in C to convert the temperature in Fahrenheit to Celsius and vice-versa.
21. Write a program in C to find the solution of $aX^2 + bX + c = 0$.
22. Write a program in C to display the largest among three numbers.
23. Write a program in C to display the percentage and grade of marks of students.
24. Write a program in C to convert any character into its ASCII code.
25. Write a program in C to convert ASCII code into its character.
26. Write a program in C to convert the lowercase letter in upper case.
27. Write a program in C to convert the upper case letter in lower case.
28. Write a program in C to swap two numbers by using third variable.
29. Write a program in C to swap two numbers without using third variable.
30. Write a program in C to process application whether a candidate is eligible for admission or not on the basis of following conditions-

In 10+2 Mathematics must be a subject. In Graduation he / she must score more than 60%. In Qualifying Exam his / her percentage must be greater than 50%.

31. Write a program in C to display sum of all digits of any given number.
32. Write a program in C to display factorial of any given number.
33. Write a program in C to convert binary number to decimal number and vice-versa.
34. Write a program in C to display numbers and sum of all integers between 100 and 200 that are divisible by 6.
35. Write a program in C to display the following pattern-

    1
    2 3
    4 5 6
    7 8 9 10
    .
    .
    .
    N lines

36. Write a program in C to display the following pattern-

    1
    0 1
    1 0 1
    0 1 0 1
    1 0 1 0 1
    ….
    …. N lines

37. Write a program in C to display the following pattern-

    1
    2 2
    3 3 3
    4 4 4 4
    …..
    ….. n lines

38. Write a program in C to display the following pattern-

          * * * * *
           * * * *
            * * *
             * *
              *

39. Write a program in C to display the following pattern-

         * * * * * *
          * * * * *
           * * * *
            * * *
             * *
              *

40. Write a program in C to display the following pattern-

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