1. WAP in C to take your details like name,age,gender and 12th marks from the keyboard and display these details line by line.

2. WAP in C to calculate the area of triangle using formula ,√s*(s-a)*(s-b)*(s-c) where s= semiperimeter and a,b,c represents the side of a triangle.

3. Basic salary of an employee is input through the keyboard. The DA is 25% of the basic salary while the HRA is 15% of the basic salary. Provident Fund is deducted at the rate of 10% of the gross salary (BS+DA+HRA). WAP in C to calculate the Net Salary.

4. WAP in C to determine the roots of quadratic equation.

5. Write a program to find the largest of three numbers using nested if else.

6. Write a program to receive marks of physics, chemistry & maths from user & check its eligibility for course if
   a) Marks of physics > 40
   b) Marks of chemistry > 50
   c) Marks of math's > 60
   d) Total of physics & math's marks > 150
   or
   e) Total of three subjects marks > 200

7. Write a program to construct a Fibonacci series upto n terms. User will enter the value of n.

8. Write a program to find whether the number is Armstrong number.

9. Write a program to generate sum of series 1!+2!+3!+--------------n!

10. Write a program to print the entire prime no between 1 and 300.

11. WAP in C to print below pattern.
      (a)   5 4 3 2 1   (b)   *
               4 3 2 1   * * *
               3 2 1   * * * * *
               2 1   * * * * * * *
               1   * * * * * * * * *

```
(c) A A A A A
    A       A
    A       A
    A       A
    A  A A A A
```

12. Write a program to calculate the factorial for given number using function.

13. Write a program to find sum of Fibonacci series using function.

14. Write a program to find the factorial of given number using recursion.

15. Write a program to print the multiplication of two N*N (Square) matrix.

16. Write program to sort the array of character (String) in alphabetical order like STRING in GINRST.

17. Write a program to compare two given dates. To store a date uses a structure that contains three members namely day, month and year. If the dates are equal then display message equal otherwise unequal.

18. Write a c program to copy & count the character content of one file says a.txt to another file b.txt.

19.. Write a program to read number from file and then write all 'odd' number to file ODD.txt & all even to file EVEN.txt.

20. Write the following C program using pointer:
   a) To sort the list of numbers through pointer
   b) To reverse the string through pointer.

21. Write a program to find the largest no among 20 integers array using dynamic memory allocation.