1. Write a program to search for an element from an array input from the user.
2. **Inserting** an element into a position of an array. The element and the insertion point are inputs from the user.
3. Inserting a number/character into the proper position of an array which is sorted in ascending/descending order.
4. **Deleting** an element from an array.
5. Write a program to find out the **maximum, minimum, median** and **mode** of an array of numbers.
6. Find **k-th maximum** and **k-th minimum** from an array.
7. Write a program to delete **duplicate** elements from an array.
8. Write a program to find the common characters from two arrays.
9. Take a string as input and print the characters in **reverse** order. Don't use any built in string function.
10. Write a program to **merge** two arrays removing the duplicate elements.
11. Take a string as input and check whether it is a **Palindrome**. If it is not a palindrome, then add minimum no. of character after the string to convert it into a palindrome.
12. Write a program to **merge** two sorted arrays.
13. Write a program to count the **frequencies of** each **character** present in a text. (In addition to alphabet letters, count also the space, tab and punctuation letters)
14. Write a program to count the **number of letters** and **words** within a text.
15. Write a program which will search for a **substring** within a string.
16. Take n numbers as input from the user. Find out their **GCD** (Greatest Common Divisor) and **LCM** (Least Common Multiple).
17. Write a program to **Add/Subtract** two different Matrices, input from the user.
18. Write a program to **Multiply** two matrices.
19. Write a program to find out the **Transpose of a Matrix**.
20. Write a program to find out **Determinant of a Matrix**.
21. Write a program to construct a **nxn magic square**.