

Lab Program List (Unit I & Unit II)

1. Develop a program to insert an element into a static array.
2. Program to delete an element from a static array;
3. Develop a program to add two polynomials using linear array and structure.
4. Program to represent a sparse matrix in a sparse form (triple/triplet).
5. Program to find the transpose a sparse matrix using the corresponding sparse form.
6. Program to add two sparse matrices using their corresponding sparse form.
7. Develop a program to sort the set of numbers using the following procedures
 1. Selection Sort
 2. Insertion Sort
 3. Quick Sort
8. Develop a program to search the number in an array using the following procedures
 1. Linear Search
 2. Binary Search
9. Develop a program to implement a linear static stack in the memory.
10. Program to convert an infix expression into postfix using an operator stack.
11. Program to evaluate a postfix expression using an operand stack.
12. Develop a program to implement a linear static queue in the memory.
13. Develop a program to implement a linear static circular queue in the memory.