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S. No.	Name of Program	Date
1	Write a program to (a.) create an array of integers and initialize it at compile-time (b.) create another array of floating values and initialize it at run-time (c.) display the elements of both the arrays with proper headings	20-Jan-25
2	Write a Program to implement Linear Search for (a.) First occurrence of search item (b.) All occurrences of search item	20-Jan-25
3	Write a program to (a.) create an array of integers and initialize it (b.) Find minimum and maximum elements in the array (c.) Find sum and average of array elements	20-Jan-25
4	Write a program to Merge unsorted arrays	20-Jan-25
5	Write a program to Merge sorted arrays	20-Jan-25
6	Write a program to insert a number at a given location in an array.	27-Jan-25
7	Write a program to delete a number from a given location in an array.	27-Jan-25
8	Write a program to search a number in an array and delete it, if found.	27-Jan-25
9	Write a Program to implement Binary Search	27-Jan-25
10	Write a Program to perform elimination of duplicate elements from an existing list of elements.	27-Jan-25
11	Create a Matrix. Perform addition, subtraction, Transpose and Multiplication using Switch-Case statement.	03-Feb-25
12	Read and display Upper, Lower and Tri-diagonal matrices	03-Feb-25
13	Implement sparse matrices using 3-tuple notation.	03-Feb-25
14	Write a Program to implement Selection Sort.	03-Feb-25
15	Write a Program to implement Insertion Sort.	10-Feb-25
16	Write a Program to implement Bubble Sort.	10-Feb-25
17	Write a Program to implement Merge Sort.	10-Feb-25
18	WAP to implement Singly Linked List that stores data as integer and perform following operations: Traverse the list to display each element Search for a specific element in the list	17-Feb-25
19	WAP to implement Singly Linked List that stores data as integer and perform following operations: Count the number of nodes in the list Find minimum and maximum value in the linked list.	17-Feb-25
20	WAP to implement Singly Linked List that stores data as integer and perform following operations: Insert a new node in the beginning and end of the list Insert a new node after a given node in the list. Insert a new node before a given node in the list.	24-Feb-25
21	WAP to implement two Singly Linked List that stores data as integer and perform following operation: Merge the two lists to create a new sorted list	24-Feb-25
22	WAP to implement a Singly Linked List that stores data as integer and perform following operation: Create a new list that is reverse of the first linked list	03-Mar-25

23	WAP to implement Singly Linked List that stores data as integer and perform following operations: Delete a node in the beginning and end of the list. Delete the node that comes after a given node in the linked list. Search an element in the linked list. If found, delete it.	03-Mar-25
24	WAP to implement Doubly Linked List that stores data as integer and perform following operations: Traverse the list to display each element Search for a specific element in the list	03-Mar-25
25	WAP to implement Doubly Linked List that stores data as integer and perform following operations: Insert a new node in the beginning, end and middle of the list Delete a node in the beginning, end and middle of the list	03-Mar-25
26	WAP to implement Header Linked List with operations: Insertion(Beginning, Between, End) Deletion(Beginning, Between, End) Traverse	10-Mar-25
27	WAP to implement Circular Linked List with operations:Insertion(Beginning, Between, End) Deletion(Beginning, Between, End)TraverseLinear Search	10-Mar-25
28	WAP to perform polynomial addition using linked lists	10-Mar-25
29	Write a Program to Perform Pop, Push, Traverse operations on the stack using array (Static Stack).	10-Mar-25
30	(Optional) WAP to Convert Infix Expression to Postfix form using Stack.	24-Mar-25
31	(Optional) WAP to Convert Infix Expression to Prefix form using Stack.	24-Mar-25
32	WAP to evaluate Postfix expression using Stack.	24-Mar-25
33	WAP to reverse the String using Stack	24-Mar-25
34	WAP to perform different operations with Queue such as Insert, Delete, Display of elements using array. (Linear Queue or Static Queue)	07-Apr-25
35	WAP to perform different operations with Queue such as Insert, Delete, Display of elements using Circular Queue.	07-Apr-25
36	Write a Program to Perform Pop, Push, Traverse operations on the stack using Pointer (Dynamic Stack).	07-Apr-25
37	WAP to perform different operations such as Insert, Delete, Display elements using Dynamic Queue.	07-Apr-25
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43	WAP to create a Binary Search Tree (BST) and traverse the tree in Inorder, Preorder and Postorder manner using recursive functions	11-Apr-25
44	WAP to implement following recursive operations on a Binary Search Tree (BST) a. Find an elementb. Insert an elementc. Delete an elementd. Count the numbere. Find maximum element f. Find minimum element g. Find height of the tree	11-Apr-25

