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Lab	Program	Date	Marks	Sign
1.	Introduction to pointers. Call by Value and Call by Reference. [Swap two values with a function. Demonstrate Call by Value and Call by Reference]			
2.	Introduction to Dynamic Memory Allocation and use of DMA functions malloc(), calloc(), free(), etc. [Construct a structure for students having roll number, name, and marks, ask the user for the number of students, allocate memory run time, get all data and print given data in table format.]			
3.	Write a program to implement STACK using array that performs following operations: (a) PUSH (b) POP (c) PEEP (d) CHANGE (e) DISPLAY			
4.	Implement a program to convert infix notation to postfix notation using stack.			
5.	Write a program to implement QUEUE using arrays that performs followingoperations: (a) INSERT (b) DELETE (c) DISPLAY			
6.	Write a program to implement Circular Queue using arrays that perform the followingoperations. (a) INSERT (b) DELETE (c) DISPLAY			
7.	Write a menu-driven program to implement the following operations on the singlylinked list: (a) Insert a node at the front of the linked list. (b) Insert a node at the end of the linkedlist. (c) Insert a node such that the linked list is in ascending order. (According to info. Field) (d) Delete the first node of the linked list. (e) Delete the last node of the linked list. (f) Delete a node before the specified position.			
8.	(i) Write a program to implement a stack using a linked list. (ii) Write a program to implement a queue using a linked list.			
9.	Write a program to implement the following operations on the doubly linked list. (a)Insert a node at the front of the linked list. (b) Insert a node at the end of the linked list. (c) Delete the last node of the linked list. (d) Delete a node before the specified position.			
10.	Write a program to implement Binary Search Tree where the user can perform: (a) Insert a value in an existing Tree (b) Delete a value from the tree (c) Traverse a Tree: Pre-Order, In-Order, Post-Order.			
11.	Write a program to implement Binary Search.			
12.	Write a program to implement Bubble Sort.			
13.	Write a program to implement Merge Sort.			
14.	Write a program to implement Quick Sort.			