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| **No.** | **Experiment Name** |
| 1 | Write a program to swap two numbers. |
| 2 | Write a program to find a maximum number from given numbers. |
| 3 | Write a program for PUSH and POP operation of STACK. |
| 4 | Write a program to reverse a string using STACK. |
| 5 | Write a program to convert postfix expression from infix operation |
| 6 | Write a program of factorial using recursion. |
| 7 | Write a program for Enqueue and Dequeue operation of QUEUE. |
| 8 | Write a program to implement Circular Queue. |
| 9 | Write a program to implement Priority Queue. |
| 10 | Write a program to implement Singly Linked List and perform following operation.   * Insert node at first * Insert node at last * Insert node at position * Sort Linked List in Ascending Order * Delete Node from any Position * Update Node Value * Search Element in the linked list * Display List from beginning to end * Display List from end using Recursion |
| 11 | Write a program to implement Doubly Linked List and perform following operation.   * Insert at beginning * Insert at end * Insert at position i * Delete at position i * Display from beginning * Display from end * Search for element * Sort the list * Update an element |
| 12 | Write a program to implement Stack using Link List |
| 13 | Write a program to implement Queue using Link List |
| 14 | Write a program to implement Binary Tree with its Traversals |
| 15 | Write a program to implement Binary Search Tree with insertion and deletion operation. |
| 16 | Write a program to implement Graph using adjacent list and perform BFS and DFS on it. |
| 17 | Write a program to sort array elements using Bubble sort, Selection sort and Quick sort. |
| 18 | Write a program to search given element from array using Binary Search technique. |