**Program list**

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| 1. | **Implement operations (traverse,Insert,delete,linear search,selection sort)on an array.** |
| 2. | **Implement Sparse array.** |
| 3. | **Implement operations (push,pop) on a stack using arrays.** |
| 4. | **Implement operations (enqueue,dequeue) on a queue using arrays.** |
| 5. | **Implement the conversion of infix notation to postfix notation.** |
| 6. | **Implement the evaluation of postfix notation using stack.** |
| 7. | **Implement Binary search using recursion.** |
| 8. | **Implement insertion(at the beginning,at specified location,at the end) & deletion(at the beginning,at specified location,at the end) on single linked list.** |
| 9. | **Implement insertion(at the beginning,at specified location,at the end) & deletion(at the beginning,at specified location,at the end) on circular linked list.** |
| 10 | **Implement stacks and queues using linked list.** |
| 11. | **Implement insertion(at the beginning,at specified location,at the end) & deletion(at the beginning,at specified location,at the end) on double linked list.** |
| 12. | **Implement insertion(at the beginning,at specified location,at the end) & deletion(at the beginning,at specified location,at the end) on circular double linked list.** |
| 13. | **Write a program to count the number of nodes and reverse the single linked list.** |
| 14. | **Implement linear search and selection sort in a single linked list.** |
| 15. | **Write a program to merge two sorted linked list and display the sorted linked list.** |
| 16. | **Implement addition of two polynomial expressions using singly linked list.** |
| 17. | **Implement operations on Binary Search Tree{ (Insertion,Deletion,Search,Traversal-(using recursion) -(Inorder,Preorder,Postorder)}.** |
| 18. | **Implement operations on Binary Search Tree{ (Insertion,Deletion,Search,Traversal-(using stack) -(Inorder,Preorder,Postorder)}.** |
| 19. | **Implement graph traversal (DFT & BFT ).** |
| 20. | **Make a menu driven program to perform various sorting technques (Insrtion,Shell,Selection,Quick,Merge,Bubble,Heap sort).** |