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| 1. | Write a program in C to implement base conversion from  any base to any other base (among decimal, binary, octal and hexadecimal). |  |  |  |
| 2. | Write a program in C to search an element from a list. Give option to user to perform Linear or Binary Search | 15-05-2022 |  |  |
| 3. | Write a program in C to implement Bubble Sort. | 17-05-2022 |  |  |
| 4. | Write a program in C to implement Insertion Sort. | 17-05-2022 |  |  |
| 5. | Write a program in C to implement Selection Sort. | 17-05-2022 |  |  |
| 6. | Write a program in C to implement Quick Sort. | 29-06-2022 |  |  |
| 7. | Write a program in C to implement Merge Sort. | 28-06-2022 |  |  |
| 8. | Write a program in C to implement Heap Sort. |  |  |  |
| 9. | Write a program in C to transpose a matrix. | 22-04-2022 |  |  |
| 10. | Write a program in C to implement Diagonal Matrix using one-dimensional array. | 01-06-2022 |  |  |
| 11. | Write a program in C to implement Lower and Upper  Triangular Matrix using one-dimensional array. | 02-06-2022 |  |  |
| 12. | Write a program in C to implement Symmetric Matrix using one-dimensional array. | 31-05-2022 |  |  |
| 13. | Write a program in C to implement Sparse Matrix using one- dimensional array. | 04-06-2022 |  |  |
| 14. | Write a program in C to implement matrix multiplication. | 04-06-2022 |  |  |
| 16. | Write a program in C to create a 2D array dynamically. | 30-06-2022 |  |  |
| 17. | Write a program in C to implement Stack using array. | 03-04-2022 |  |  |
| 18. | Write a program in C to implement Linear Queue using array. | 10-04-2022 |  |  |
| 19. | Write a program in C to implement Circular Queue using  array. | 25-04-2022 |  |  |
| 20. | Write a program in C to scan polynomial using array. Implement addition, subtraction, multiplication of two polynomials. | 10-07-2022 |  |  |
| 21. | Write a program in C to convert Infix to Postfix notations. |  |  |  |
| 22. | Write a program in C to implement evaluation of postfix notations. | 30-06-2022 |  |  |
| 23. | Write a program in C to implement Singly Linked List. | 05-06-2022 |  |  |

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| 24. | Write a program in C to implement Doubly Linked List. | 09-06-2022 |  |  |
| 25. | Write a program in C to implement Circular Linked List. |  |  |  |
| 26. | Write a program in C to implement Linear Queue using Linked List. |  |  |  |
| 27. | Write a program in C to implement Circular Linked List, including functions insertion, deletion, to search a number and reversing the List. |  |  |  |
| 28. | Write a program in C to implement Stack using Linked List. |  |  |  |
| 29. | Write a program in C to create and perform different operations Double-ended Queues using Array. |  |  |  |
| 30. | Write a program in C to create and perform different operations Double-ended Queues using Linked List. |  |  |  |
| 31. | Write a program in C to merge two sorted list into a Single List. | 19-06-2022 |  |  |
| 32. | Write a program in C to scan polynomial using Linked List and add two polynomials. |  |  |  |
| 33. | Write a program in C to implement a Binary Search Tree and including following operations in tree:   1. Insertion (Recursive Implementation). 2. Search a no. in BST. 3. Display it preorder, postorder, inorder traversals recursively. | 17-07-2022 |  |  |
| 34. | Write a program in C to implement Hashing using Chaining. |  |  |  |
| 35. | Write a program in C to reverse the order of elements in Stack using additional Stack. |  |  |  |
| 36. | Write a program in C to reverse the order of elements in Stack using additional Queue. |  |  |  |