**PRACTICAL LIST**

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| 1 | To implement addition and multiplication of two 2D arrays. |
| 2 | To transpose a 2D array. |
| 3 | To implement Linear Search. |
| 4 | To implement Binary Search. |
| 5 | To implement Single Linked list with different insertion and deletion operations. |
| 6 | To implement Doubly Linked list with different insertion and deletion operations. |
| 7 | To implement stack using array. |
| 8 | To implement queue using array. |
| 9 | To implement circular queue using array. |
| 10 | To implement stack using linked list. |
| 11 | To implement queue using linked list. |
| 12 | To implement BFS using linked list. |
| 13 | To implement DFS using linked list. |
| 14 | To implement Bubble Sorting. |
| 15 | To implement Selection Sorting. |
| 16 | To implement Insertion Sorting. |
| 17 | To implement Merge Sorting. |
| 18 | To implement Heap Sorting. |
| 19 | To implement Matrix Multiplication by Strassen’s algorithm. |
| 20 | To find Minimum Spanning Tree using Kruskal’s Algorithm. |