

DS IMP

1. Best case, avg case and worst case time complexity.
2. Asymptotic notations.
3. Primitive and non primitive data types.
4. Row major column major.
5. Arrays.
6. Stack, queue, linked list
7. Tower of hanoi
8. Infix to postfix conversion
9. Evaluation of postfix
10. Infix to postfix algorithm
11. Sorting algorithms
12. Merge and quick sort
13. Linear and binary search
14. Binary tree, complete binary tree, threaded binary tree, root node, left child , right child, leaf node, bst, forest definations.
15. Constructions of BST
16. Preorder, postorder, inorder
17. Bubble sort selection sort algorithm
18. Dfs bfs traversal
19. Kruskals prims dijkstra algorithm
20. Define hashing and its techniques
21. Collision and its resolution techniques