Week 7 and 8: LinkedList and Trees

Resources for Linked List

1. https://www.geeksforgeeks.org/linked-list-set-1-introduction/
2. https://www.javatpoint.com/java-linkedlist
3. https://www.hackerearth.com/practice/data-structures/linked-list/singly-linked-list/tutorial/

Resources for Trees

1. https://www.hackerearth.com/practice/notes/trees/
2. https://www.hackerearth.com/practice/data-structures/trees/binary-search-tree/tutorial/
3. https://www.hackerearth.com/practice/data-structures/trees/binary-and-nary-trees/tutorial/

Problems on LinkedList -

1. Delete node in a linked list - https://leetcode.com/problems/delete-node-in-a-linked-list/
2. Reverse a linked list - https://leetcode.com/problems/reverse-linked-list/
3. Palindrome - https://leetcode.com/problems/palindrome-linked-list/
4. Rotate a linked list - https://leetcode.com/problems/rotate-list/
5. Design a linked list - https://leetcode.com/problems/design-linked-list/
6. Reverse nodes in groups of k - https://leetcode.com/problems/reverse-nodes-in-k-group/
7. Detect and remove cycle in linked list - https://practice.geeksforgeeks.org/problems/remove-loop-in-linked-list/1

Problems on Trees -

1. Search in a BST - https://leetcode.com/problems/search-in-a-binary-search-tree/
2. Invert binary tree - https://leetcode.com/problems/invert-binary-tree/
3. Depth of binary tree - https://leetcode.com/problems/maximum-depth-of-binary-tree/
4. Minimum distance between nodes of BST - https://leetcode.com/problems/minimum-distance-between-bst-nodes/
5. Lowest Common Ancestor in BST - https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree/
6. Construct BST from Preorder Traversal - https://leetcode.com/problems/construct-binary-search-tree-from-preorder-traversal/
7. Insertion in BST - https://leetcode.com/problems/insert-into-a-binary-search-tree/
8. Deletion of nodes - https://leetcode.com/problems/delete-leaves-with-a-given-value/
9. Construct BST from Preorder and Postorder Traversals - https://leetcode.com/problems/construct-binary-tree-from-preorder-and-postorder-traversal/
10. Construct BST from Preorder and Inorder Traversals - https://leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal/
11. Construct BST from Inorder and Postorder Traversals - https://leetcode.com/problems/construct-binary-tree-from-inorder-and-postorder-traversal/
12. Right View of Binary Tree - https://leetcode.com/problems/binary-tree-right-side-view/

13. Bottom View of Binary Tree - https://practice.geeksforgeeks.org/problems/bottom-view-of-binary-tree/1
14. Top View of Binary Tree - https://practice.geeksforgeeks.org/problems/top-view-of-binary-tree/1
15. Left View of Binary Tree - https://practice.geeksforgeeks.org/problems/left-view-of-binary-tree/1
16. Serialize and Deserialize a Binary Tree - https://leetcode.com/problems/serialize-and-deserialize-binary-tree/