Introduction to non-linear Data Structures: > Trees: > It is a non-linear data structure consisting of nodes. The starting node of the tree is called the Normal Tree -> Children Nodes Binary Trees: > root dir DFS Traversal/ Depth First BFS Travelsal Boeadth First vee Traverseli: > DFS Traversal: LORA tre-Order (DLR) In-Order (LDR) 4,2,9,5,1,6,3,15,7 0/1-1,2,4,5,9,3,6,7,15 4,9,5,7,6,15,7,3,1 Formation: -> Roof -> Left -> Right Level By Level * Write a function to Berfourn the "Level Order Traversel"

of the given Binary Tree. Top -> Bottom & Left to Right

groot -> queue (root) \rightarrow Level 0=0 $0/p \rightarrow 1,2,3,4,5,6,7,9,15$ | queue data structure BFS = grene LLOT = gluene (9 6-9-) Level 2 --- (13) -> Level 3 #include (queue) Standard Library Dinary Trees Important Interview Questions: > 1) Mirror of a Binary Tree Tcs -> 2021 to 2024 Accenture -> 2019 to Labgemini - Jan' 2025 mirror Tree (rest) missor image In-order 425163+17361524 are Idential (t1, +2) } } Identical Trees: Tree 3 * Standard Template Library

Stack, queue, map, list, set, vector

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graphs * Binary Search Tree (BST) X Graphs - DFS BFS