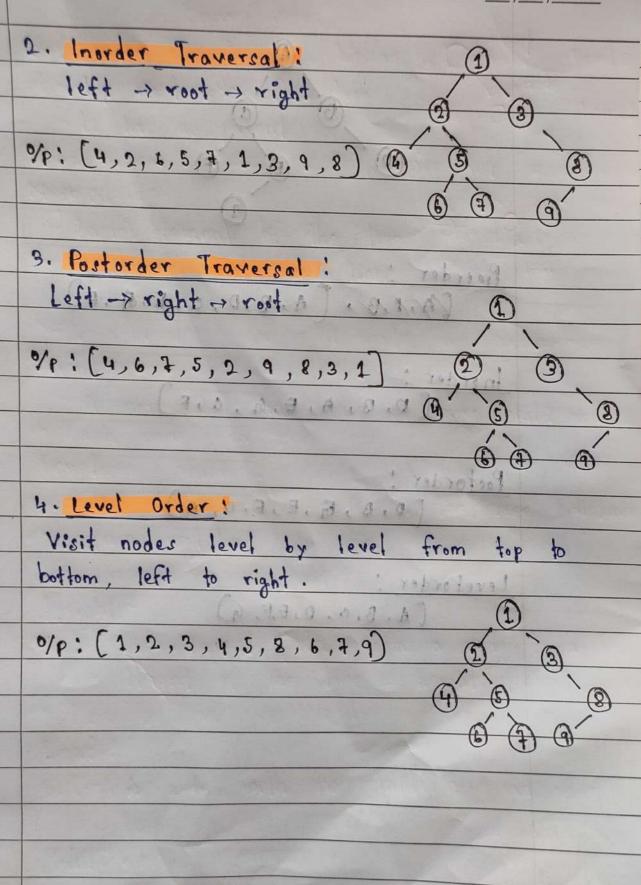
08/09/25 28 80 80 Type of Trees. General Tree - mont Complete Binary Tree - A node can have - All levels are completly any number of children filled except possibly the last level. of the stands of the change of the stands of d'o multiple elemente. * Binary Tree -- node can have at most Perfect Binary Tree 2 children (left and right) - All internal nodes exactly have exactly have 2 8 8 9 0 0 4 Leaf nodes are at - Binary Search Tree (BST) came level - A binary tree with ordering left < parent < right 000 child 0000 Dies and has and soil or donated they and drawed to Full Binary Tree: - Every node has 0 or 2 1911. children (not one child)

Root: top most node of a tree prode - It has no parent Node: - basic element of the tree 3 containing data and links leaf to children. Tree Transport Comment of Parent ! - A node that has one or more child nodes. largerant reprepart of S. Inorder transacrat - The depth of a node in the tree distance from root) 1. Preorder traversol; Height - hand - find - The longest path from a node to a leaf - Height of the tree = height of root node. sortdus their severer! Leaf ! - A node with no children (end node) Subtree -- A smaller tree înside a tree.

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lava 1	child:
land a	- A node that is directly connected to
	another node when moving away from
Notice of	the root.
1	Sibling & wash with the de to the
had	- Nadaga ethal about 11 miles
	- Nodes that share the same parent.
	T To district of
	Tree Traversals (Binary Tree)
	Types!
astest bill	2. Preorder traversal
	2. Postorder traverral
1.1.1	3. Inorder traversal
ountain 1- a	4. Level order
	the street with
	1. Preorder Traversal:
	Root -> Left -> Right
tool a of	- Visit the root node
about joor	-> Traverse left subtree 10 8
	-> Traverse right subtree
_ (about	0/4: [1,2,4,5,6,7,3,8,9]
The state of	
	antant,
	soit à ablair sait reflains A

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