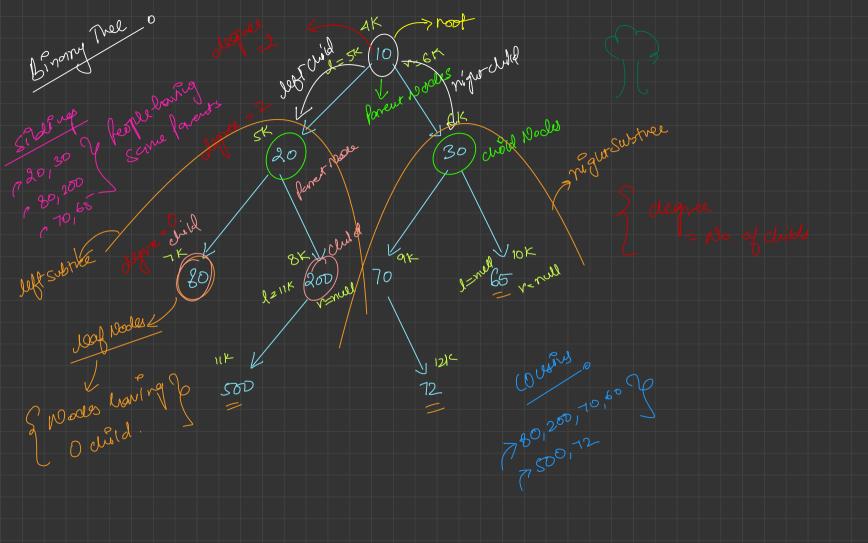
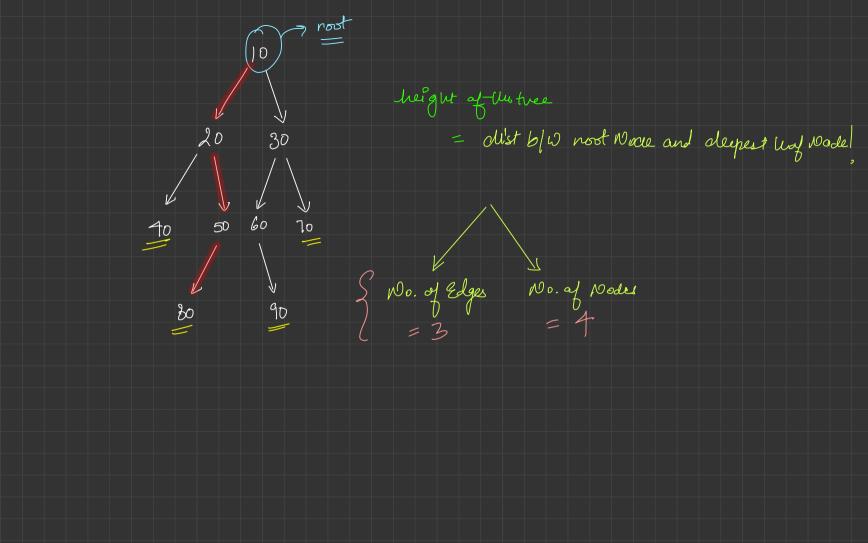


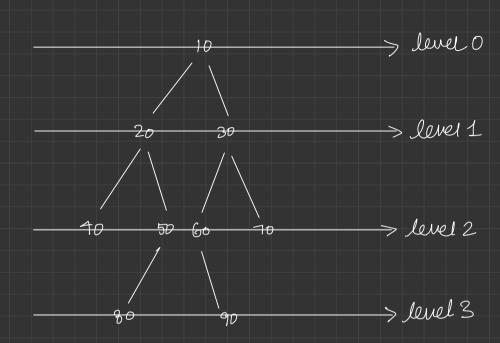
Binary > Non Unear data Structure Accio July BiranySearch Yuked list fleirarchy fresent Non - linear

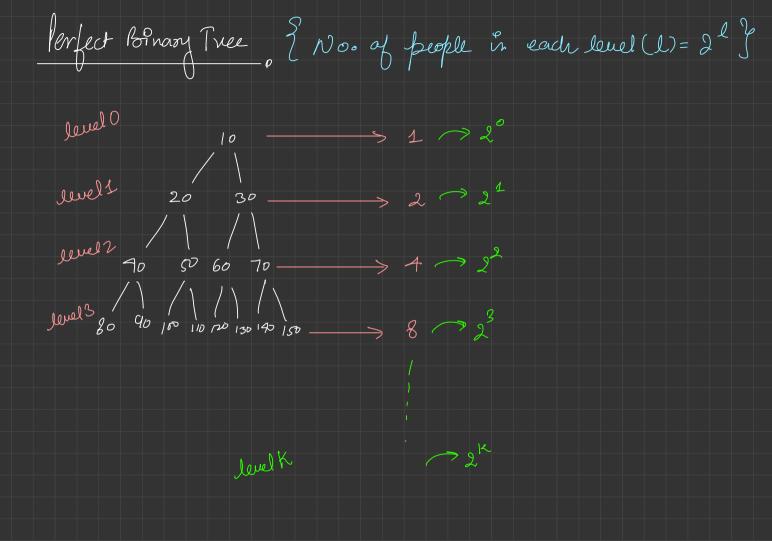
s Each road los a perks. Α GKV class Node Storry data; Wild;

0,1 or 2 dilds! Binary Trees named as Le left Child & class Nocle Node left;



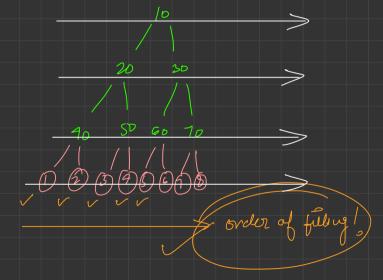




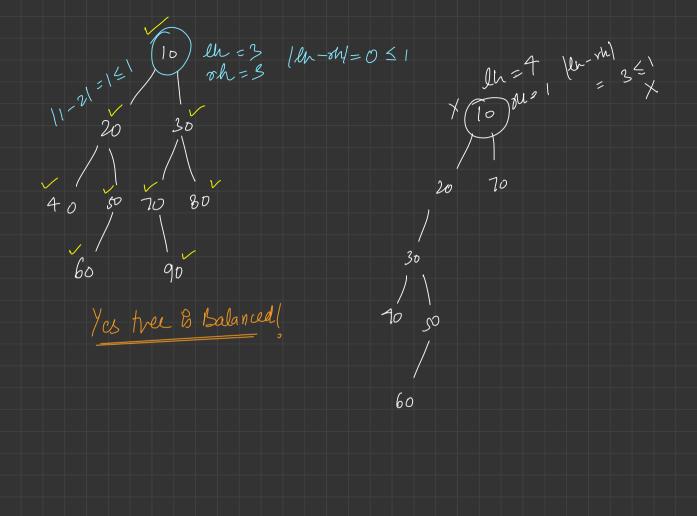


ull Binony Tree Lach Node will Etther have O or 2 duldren Complete Brown Tree

Where each level & completely filled encept, people is last level over as left positioned as possible

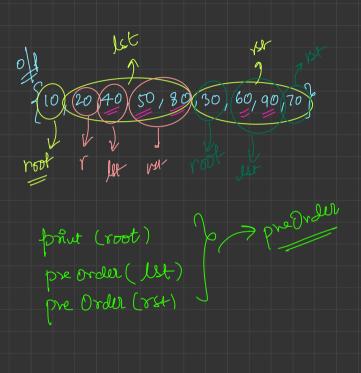


Balanced Brong Tuel La when each noch of the bree is balanced! Balaned Node I lh - rh/ \le 1 \right \right

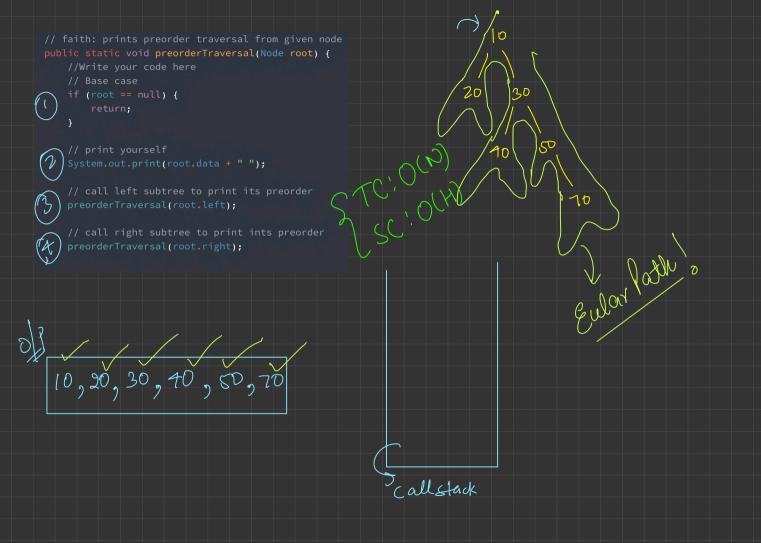


= eller ng ut child or 100 child! each noode esther left dild or No du'l 1

Traversal on trees Pre Order Traversal of root of



pre Order (Node 60t) Vold if (oost = = nul) porut (root) predicte (root. left) pel Order (root-right)



In Order Traversal - let + root + rst Vold Enorda (Node root) in order (root left) foodut (root); in order (rod right)!

Post Order Traversal Jeft, Rght, rost 40, 80, 50, 20, 90, 60, 70, 30, 10 940, 80,50, 20, 90, 60, 70, 30, 10 g

Size of Tree PNo. of Nodes Size = 9 faith; returns six of the tree from root int sire (Noch root) } 24 (rost = = nul) return 0; ut 18/8/2e = Size (rot left); int 1st & c = & c (rot - 2 2 m) ! q return let sixe e ret si ec e !!

volues of Each Node Part : neture Sum of Lee start y from voot int Sum (Node rot)

Marin in a tree La 3 more value present ma her faith! returns morn value in the tree from roit, int more Of Tree (Wode root)

buse Case

height of free man(a,b)+ faith of the front)
height (Node root) height 30 40

