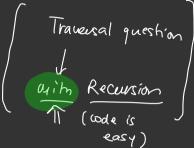


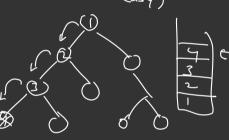
TREES-2 59

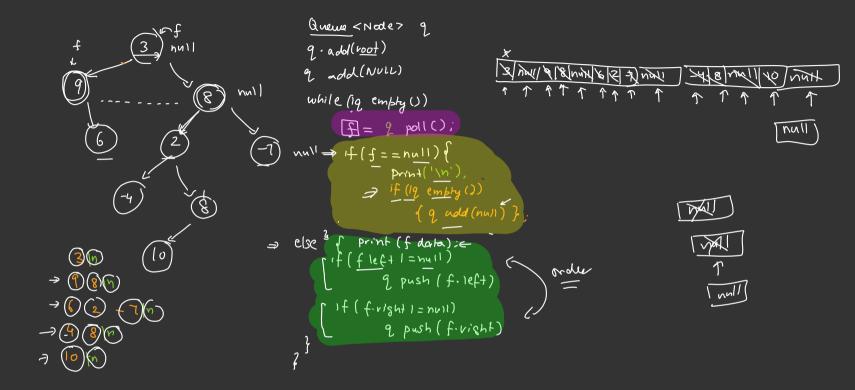
Level Order Traversal

Ly (1) Build a tree if the input is in level order

2 Print the thee Level By Level.







level order to Right - Right to left 10

Views of Tree

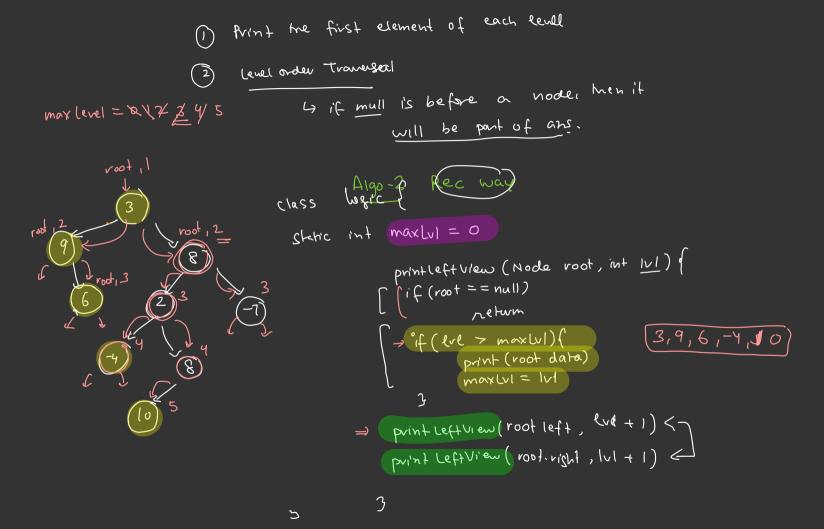
Left View



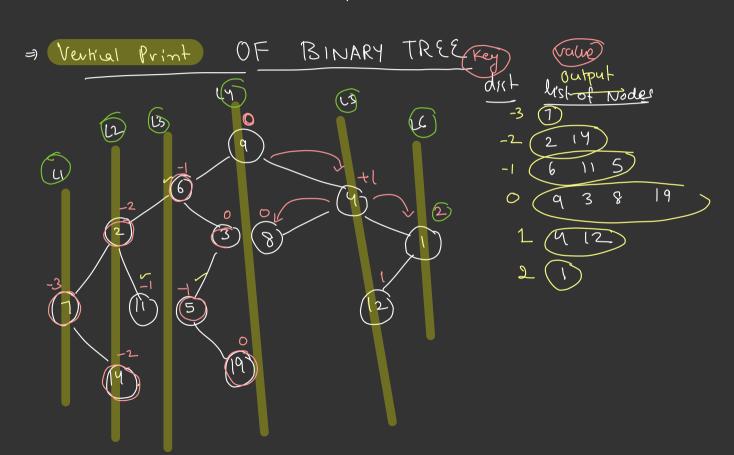




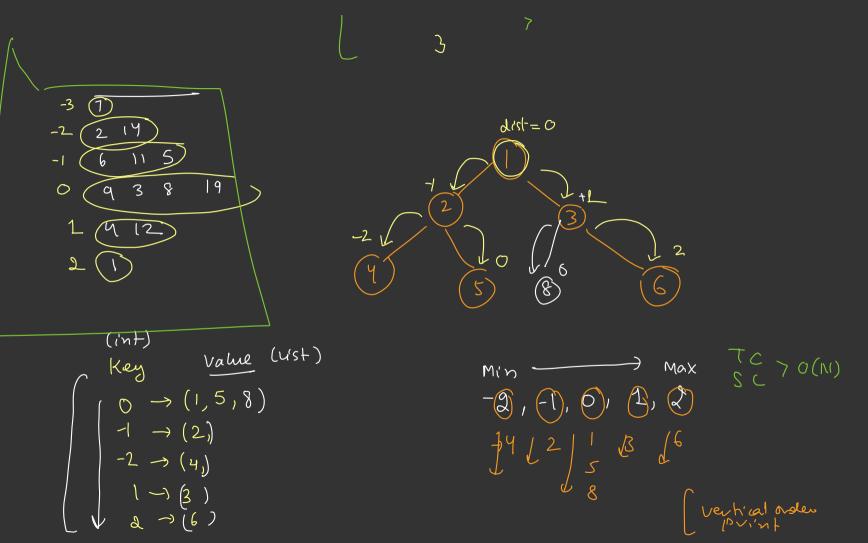
null

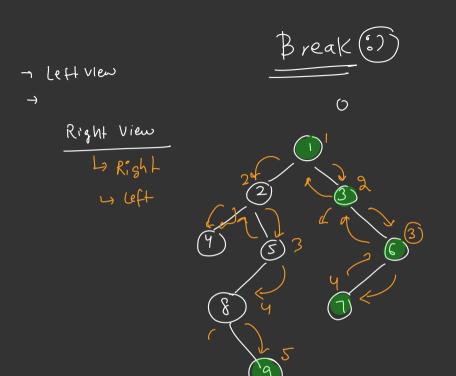


logic l; l. print Left Tree (tree : root, 1),



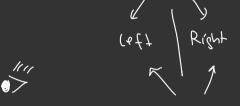
hashmap 2 (nt, listeint) > hm; print tree Dist (Node root, int dist)) (if (voot = = null) return; > hm get or Default (dist, new unked hist()).add (root data), print Thee DISt (root-left, dist -1); print Tree Dist (root-right, dist+1) hashmap 2-5-1 KIY Object 4-2 5-> +1 Keys are unordered -3,-2,-1,0,1 for (every key. hm) { minkey = min(max key = max (- - -) max Key ____ minkey for (Key = minkey ___max key) { Linkedust l = hm.get(Key) => for (Int x . 11's+) (Print(x);





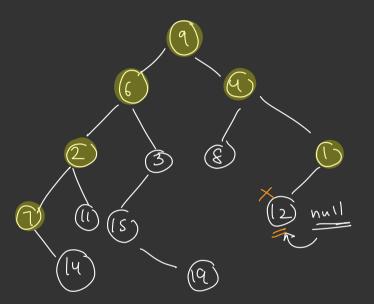


10.30





Top View ""



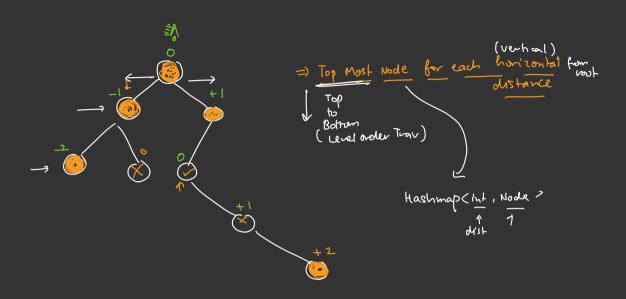
7-72-96-19-4-1

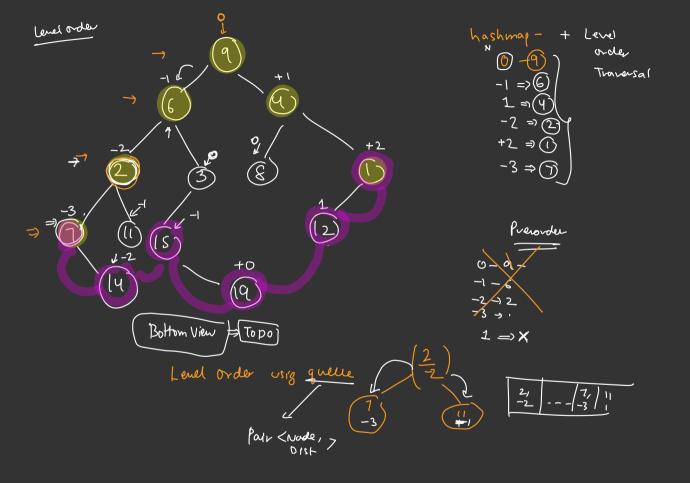
o>>

(12)

5 Mins

10.42





Queue < Pair 7 9 Hashmap < int, Node > hm; q add (Pair (voot, O)); while (19 empty()){ Pair f = q. poll (); if (him contains fd)st hm[fdist] = fn. if (f.n.left !=null) { q.add (pair (fonoleft, fodist -1), (5 If (f.n.right = null) (q.add (pair (f.n.right, 7 f.dist +1), for (every key hm) (
print (hm get (key).data);

