## BLEVEL ORDER TRAVERSAL IN A GENERIC TREE Output: 10 20 30 40 50 603 - levels Hume print krna hai ek tree in levels left to right fashion mein, hodes separeated 20 <sup>3</sup>0 чо by spaces. Hum Queue Data Structure use Krengy! Thele root henesi tree ka add krengy Onene me! -> REMONE « Uske baad , hum yen kule use krengy. P -> PRINT A -7 ADD \* Remove element from Onene Print that element and then add it's children to 10/20/30/40 the grene. 10 removed and printed (ode and it's child added T20 public class Main & ontput : 10 public static class Node { Arraylist (Node) children = new Arraylist <> (); 16/20/30 40 20 removed and printed Output: 19, 20 (No Child) Node (int data) { this . data = data; 30 20 80 40 50 60 30 removed and printed and public static void LevelOrder (Node root) { it's child added \_ [50] Queue (Node) q = new Array Deque (Node) (); Ontput: 10 20 30 q-add (root); N 30 30 NO 50 60 white (9.512el)70){ 40 removed and printed (No child) Node temp = q. remone (); // remove Output: 10 20 30 40 Syso (temp. data + "); //print 18 20 180 mo 50 60 for (Node child: temp. children) { padd 50 removed and printed! (No child) q-add (child); Output: 10 20 30 40 50 10 20 30 40 50 65 } yso ("."); 60 removed and printed public static void main (static [Jongs) { (NO Child) Dupy 10 20304050 69 Node root = new Node (10); Node twenty , new Noche (20); END root. children. add (twenty);

Node thisty - new Node (30);