G GENERIC TREE CONSTRUCTOR Hume ex Integer array milega, and hume Tree Construct Krona hai array Ki values Ko Nota. Ki values Ko tekar. uske lige - Hume yet smajhra hoga ki Array kese fill hua aur array ke har valua ka matlat kya hai tular Path and Filling the Input Array 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 400 100 -1 -1 -1 - Hum Enlar-tree Banayengy Aur root se start kike har node aur wike child 50 000000 ko frace krengy aur jis-jis node ko trace krengy usko mray me dalty rahengy rabu hai iss noche ke around aur Miki right side atty want Agar koi node nahi milegi toh (-1) array → Essey krty krty pura tree trace hoga aur array file enojayega! me jayega! Tree Kese Construct kringy Data Ko pass kiya (10), Node Banaya awr Node ke Data (10) set kerdia l stack pe gaye! Stack ko empty dekh kr node ko root me push krdia! bana dia aur data ku stack 1 Aab data me (20) ko pass kiya, Node 10 20 Banaya - Data 20 set Kiya, stack me 50 -1 prish kine gaye dekha (20) pada hai, -1 40 toh (20) ko (10) ke children me add, 100 krdia, our fix stack me (26) to push -1 -1 Strick 30 70 Aab data me (50) ko pass, node banaya (50) data set kadia, stack me push kriney gage toh dekna prele se kuch hai, 60 ko uska 20 ka child baraya, 50 ko stack me push krdia! 80 110 -1 120

/ Aab data (-1) pars kiya, stack se 10) Top most ko pop kradia/ - Aab Data me (60) pass kiya, node banaya, (60) data set kiya, stack me dekha phele se kuch hai, toh (60) ko (60) ke wild bana dia! aur (60) Ko Stack me push Krelia! = Aab (1) pass hua, stack se pop hua ! A Jab-Jab (-1) ayega! Tab-Tab stack se pop hoga integer! Aver yet pura process essi chalega (50) pure Tree Construction ke tym! Code public class Main { Complete Tree public static class Node { int data; Arraylist (Node) dildren = new Arraylist <> (); public static void main (Storing [] args) { Node root, int [] arr = {10,20,50,-1,60,-1,-1,30,70,-1,80,110,-1,120,-1,-1,90,-1,-1,4,100, -1,-1,-17 Stack(Node) st = hew Stack()(); for (int i = 0; i < ar. length; i++) { if (arr[i] = = -1) { st. pop (); Belsef Node t - new Nodel); t. data = arr [i]; if (st. size () > 0) q st. peck(). children. add(t); Jelse & root -t; st-push(t);