Wednesday, April 29, 2020 12:20 PM

Mick Waggoner CS 1450-002 Mickey Mangaley

Problem

Create a binary sacrich tree of pourot objects. Using the tree, pareform a level order traversal to part and each bind's song. Then print each pourot's name from the tree wing an inorder traversal.

Understandings

What & know

. Bijerg reanch brees are much like linked lists, but with one were node.

· understand recursion

What & don't

· How to recursively call method

- level order + morder traversal yeapies

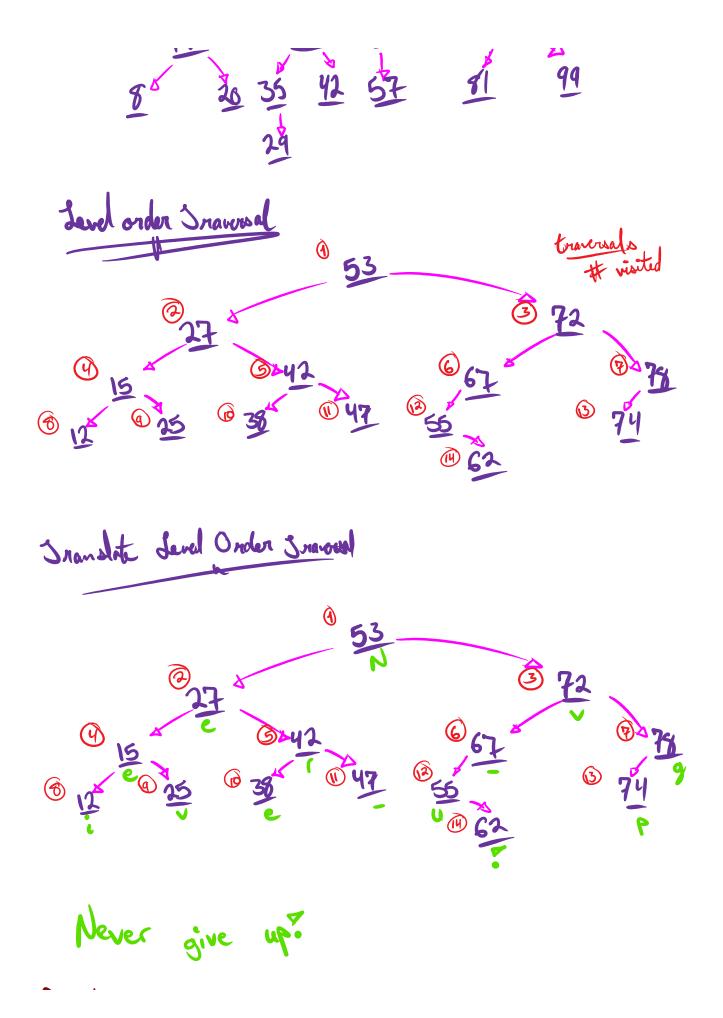
Sketch:

Binary Search Jul 50

12 40 68 98

20 35 42 57 41 99

29



Pseudocode main (creat

main () throws 3 let of Sound Exception {
Create file scanner for povorots text file
9 estantiate Binary Suce doject "oak"

while (scanner. hostext()) {

scan file lines for id, name, + song word

Parenot parenot = new Parenot (id, name, song Word);

oak insert (paronot); //put povert into the tree

close scanner;

Print header for Parviot song

print Minary Tree in level-order to reveal "parviols vong"

print header for Leaf Mode porrots

print Binary Tree in ander with each parviotis Name

displayed

What I leaved

- · Use of guess to do level order traversals
- · Recursion to visit nodes inorder
- · I dea of inner printe alorses rude ma concrete