fet's start at 9:05 PM sharp.

L82
Traversals & DP on Trees

RECAP



Traversals

DFS

BFS



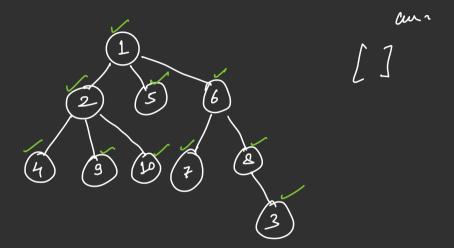
1. Depth first Search

print (cm);
for (children of cm)!
recov(child);

1,2,4,9,10,5,6,7,8,3



2. Breadth first Search



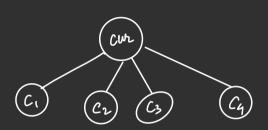
1, 2, 5, 6, 4, 9, 50,7,8,3

U LearnYard

The DFS Call



Subtree Size of each node





Level of each node



level [cur] 2 level [par] + 1

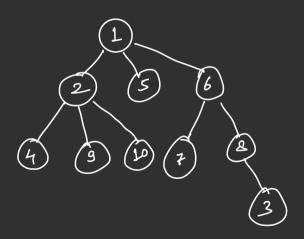


Practice Problems



1. Family Tree

Intuition





Let's implement

Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE!

