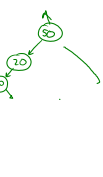
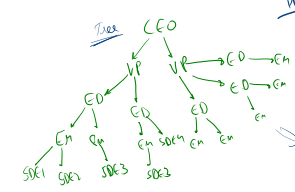
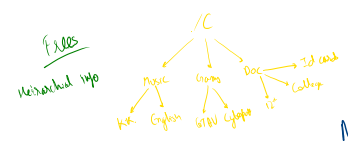


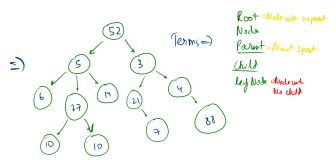
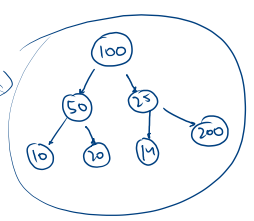
```
function constructBinaryTree(arr: TreeNode | null):
  if (arr[id] === null) {
    id++;
    return null;
  }
  // Node
  let node = new TreeNode(arr[id]);
  id++;
  // Left
  node.leftChild = constructBinaryTree(arr);
  // Right
  node.rightChild = constructBinaryTree(arr);
  return node;
}
```



40
20
10 30
5 15

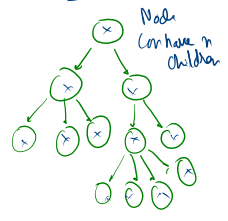


Need -> Why?
What?
How?

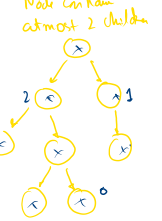


Types of trees

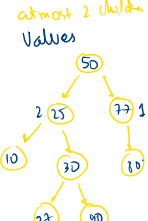
Generic tree



Binary tree

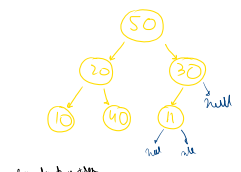


Binary Search tree



Binary tree

- Node
 - ↳ value = 20
 - ↳ left child = 10
 - ↳ right child = 40



Serializing tree

