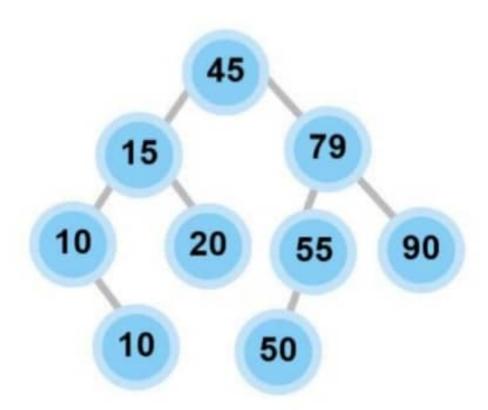
## 1)A) Traverse this following tree using all the traversal algorithms you learned.



**Data Structures** 

B) for the last tree write ( which element is siblings , write all leaves , how many levels in this tree ) what kind of this tree ?

(9)
In order traversal (left root, right)
laversal (left root, right)
10, 10, 15, 20, 45
100 55 70 0
raversal: ( rout , left, right)
45, 15, 10, 10, 20, 79, 55, 50, 90
⇒ Post III
> Post-order traversal: (left, right, root)
10,10,20,15,50,55,90,79,45
6
1- Siblings: (The same Parent
15 and 79
10 and 20
55 and 90
2- Leaves: (doesn't have child)
10 (right child of 10) 20 (right child of 15)
50 1 1-2+ Child of 55)
go (right child of 79)
3- levels -> There are 41 levels
3-1-1-10 -> 45
level 1 -> 10,20,55,90
10,101 2
Real DUAL CAMERA tree is a Binary Search tree 2024/04/14 23:42
4-110

- Add the following numbers to a binary search tree.Draw the final tree after add this elements.
  - a)[25,30,27,20,35,40,41,28,26,28,15,22,21,16,10,25]
  - b)[1,4,5,7,8,9,10,11], in this tree do you observe any patterns or anomalies? If so, please describe them.

