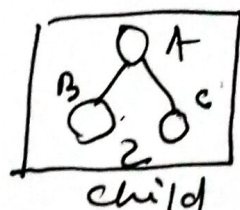
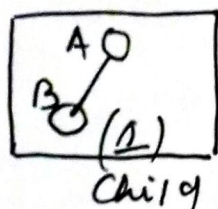
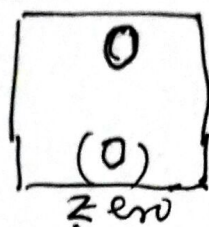
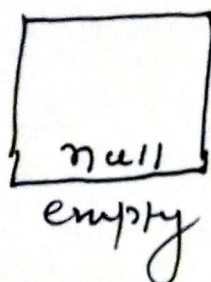


Binary Tree

Child



What is the range of Binary Tree?

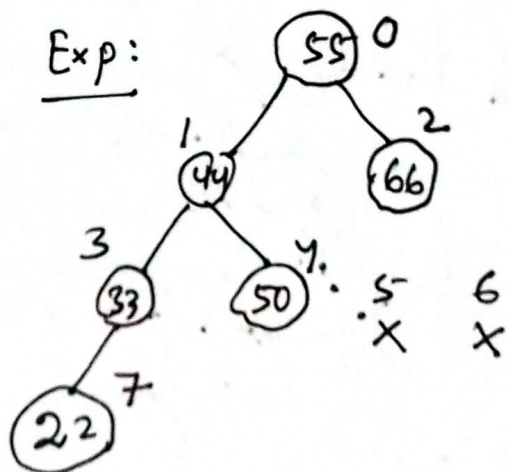
null - 2

Data Structure.

Memory Representation of Binary Tree

1. Linear (or Sequential) or Static or Array.

Exp:



55	44	66	33	50	-	-	22
0	1	2	3	4	5	6	7

2. Dynamic representation or Linked list representation using a pointer.

Traversing or visiting a Binary Tree:

There are three types of traversal.

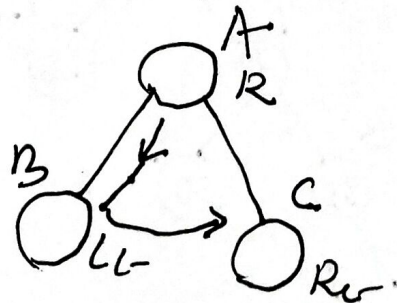
- i. Visit a node only once.
- ii. Also known as Tree traversal.
1. Pre Order Traversal
2. In Order Traversal
3. Post Order Traversal

A. Pre Order Traversal

Steps:

1. Visit - the root-node (R)
2. Traverse left-node (L)
 or left subtree.
3. Traverse right-node (R)
 or right subtree.

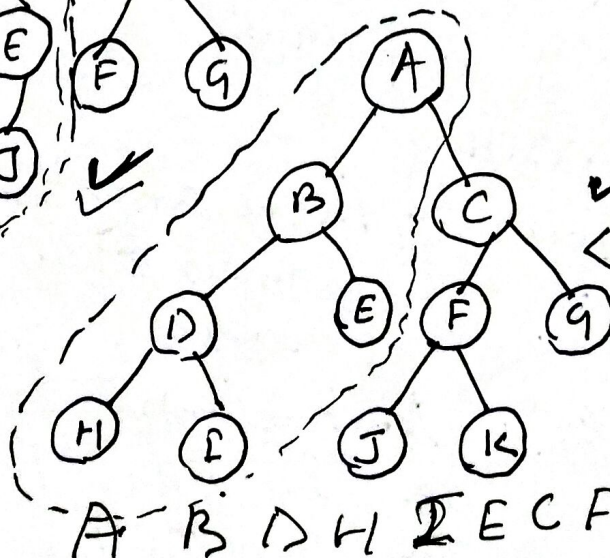
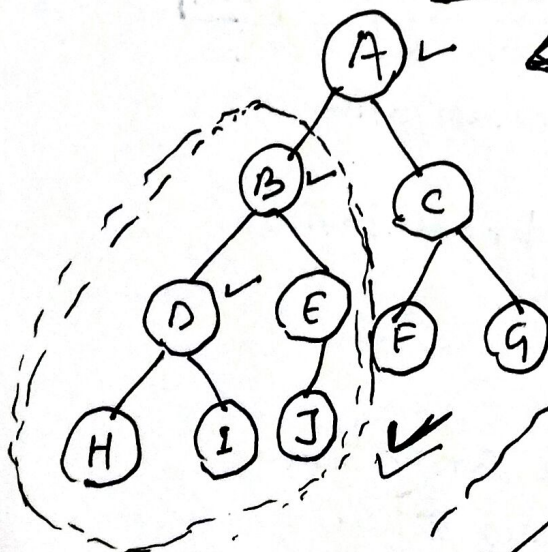
$\langle R \ L \ R \rangle$



ABC

Exp:

ABDHIEJCFG
Pre Order Traversal.



In Order

$\langle L \ R \ R \rangle$

HDIBEAJFKCG

ABDHIEJCFJKG