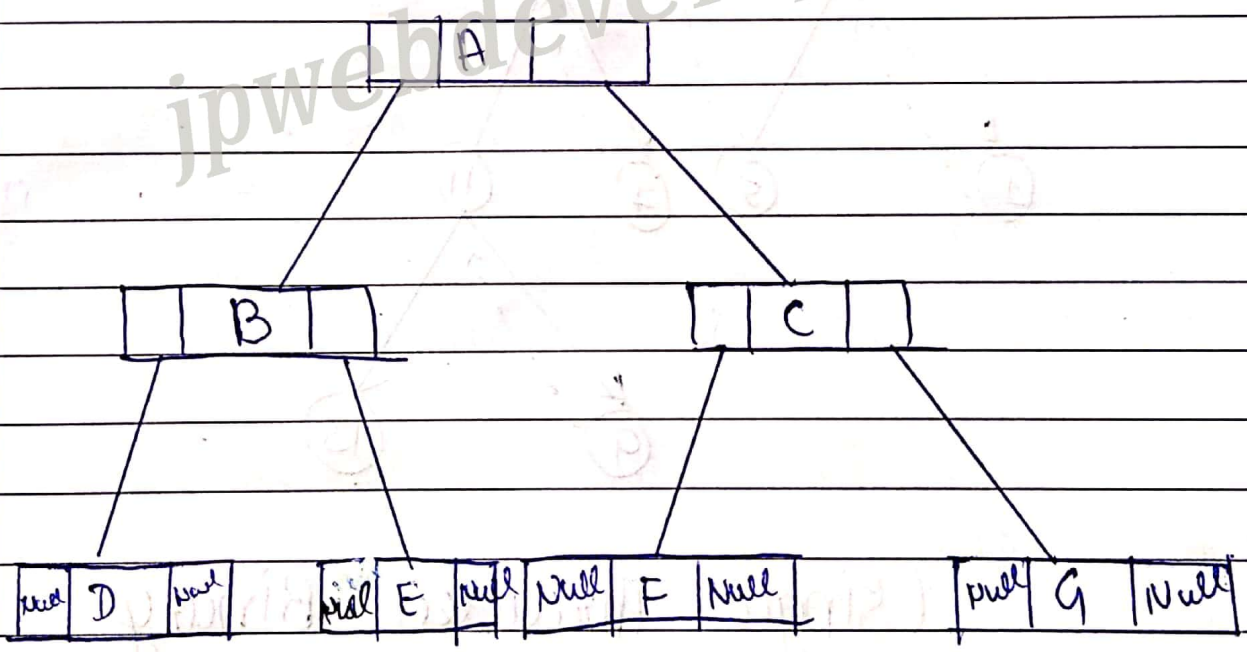


### \* Threaded Binary Trees :-

=====

- A binary tree is made threaded by making all right child pointers that would normally by NULL point to the in-order successor of the node.
- Store meaningful information in these NULL pointers.
- Eliminate use of stack and Queue for traversal.



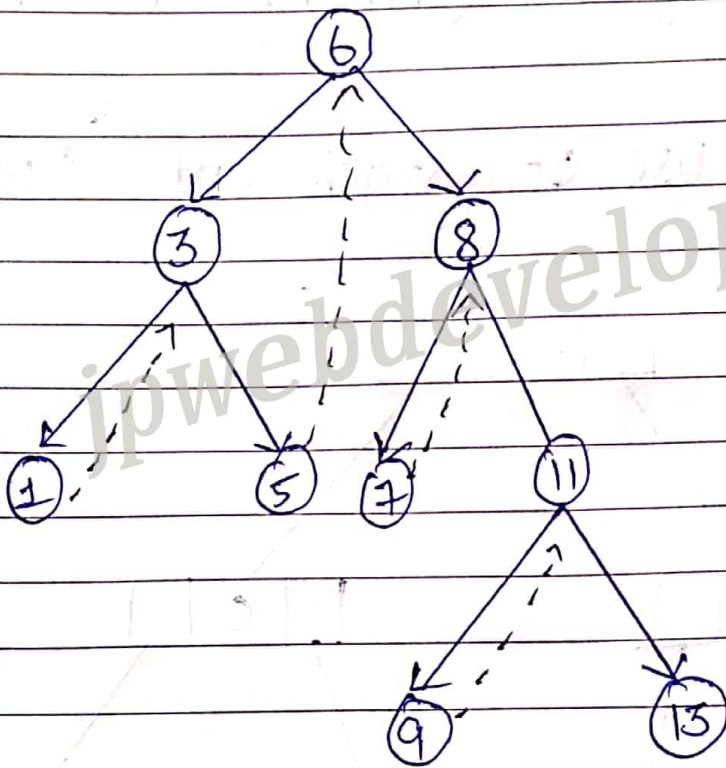
(Threaded Binary Tree)

## Types of Threaded Binary Tree :-

(i) One way threaded Binary Tree

(ii) Two-way " " " "

(i) One-way threaded Binary Tree :-

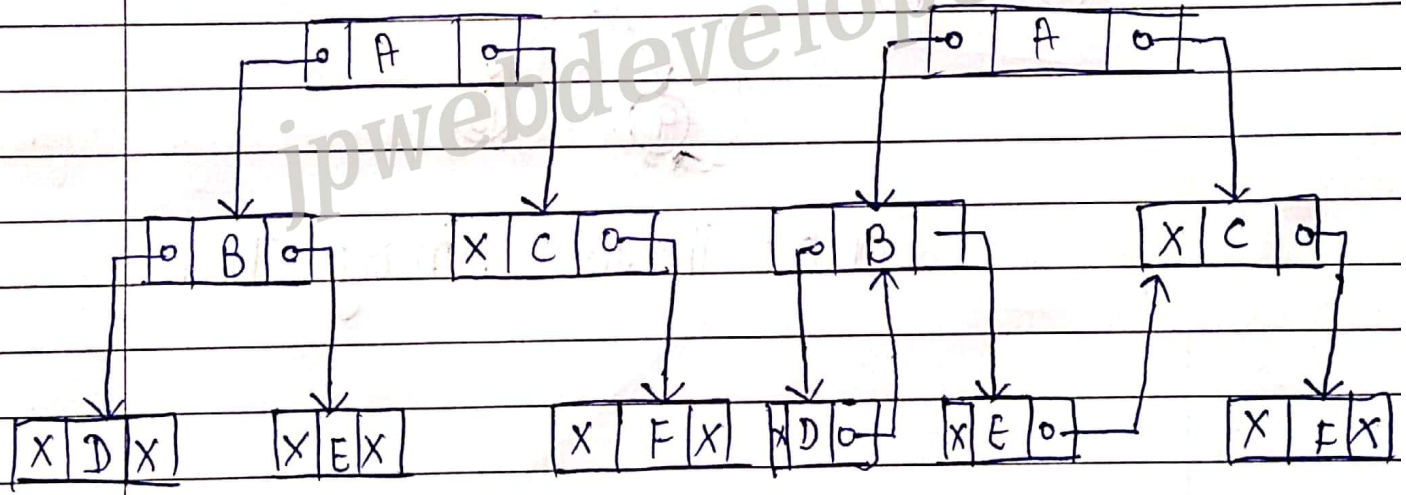


(Single Threaded Binary Tree)

o In one-way threaded binary tree, a thread will appear either in the right or left link field of node-

◦ Right thread binary tree: - If it appears on the right link field of node then it will point to the next node that will appear on performing in order Traversal.

◦ Left threaded binary tree: - If thread appears in the left field of a node then it will point to the node inorder predecessor.

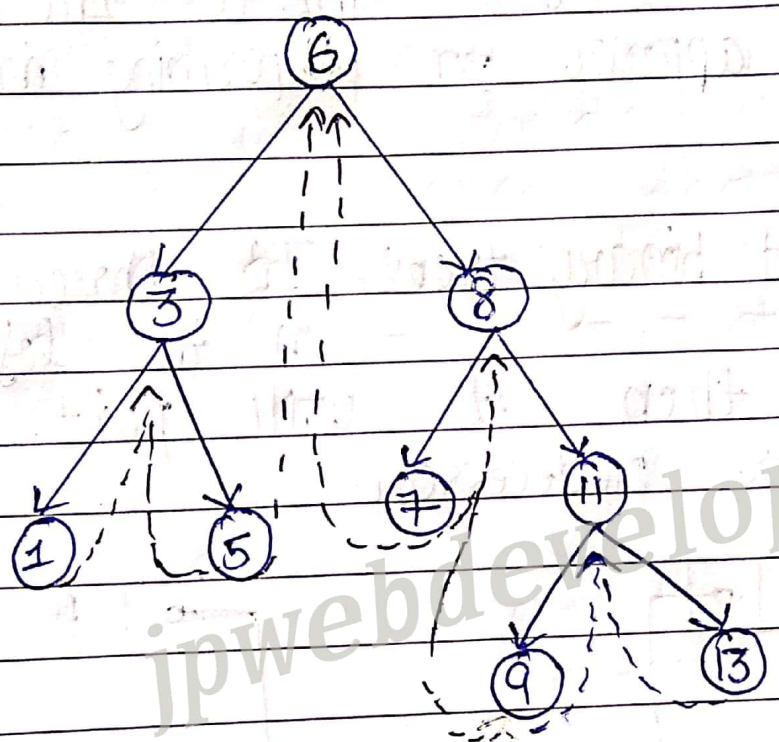


(A binary tree)

(A right threaded binary tree)

Inorder traversal :  
(D, B, E, A, C, F)

# Two-way threaded Binary Tree :-



# Double Thread Binary Tree