TREES > Non-linear

rodes edges

Binary Tree max 2 child nodes (0,1,2)

## TRAVERSAL BFS Bradh FM

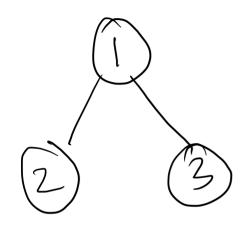
Breadth

## DFS

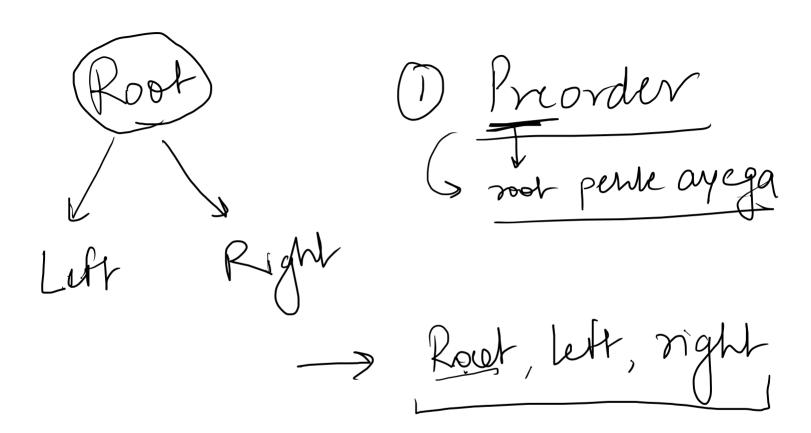
1 Inorder

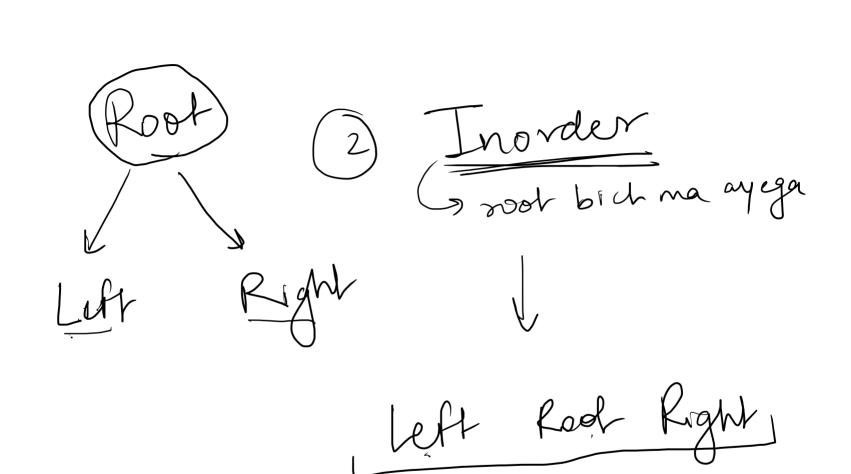
2) Proorder

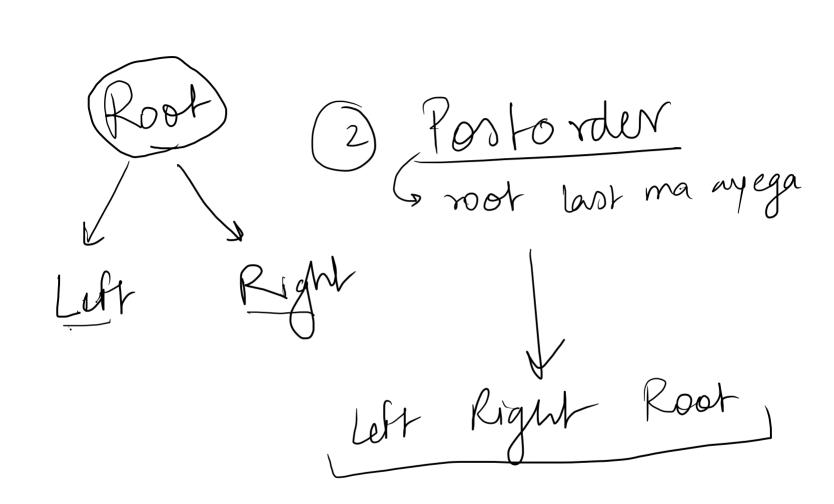
(3) Postorder



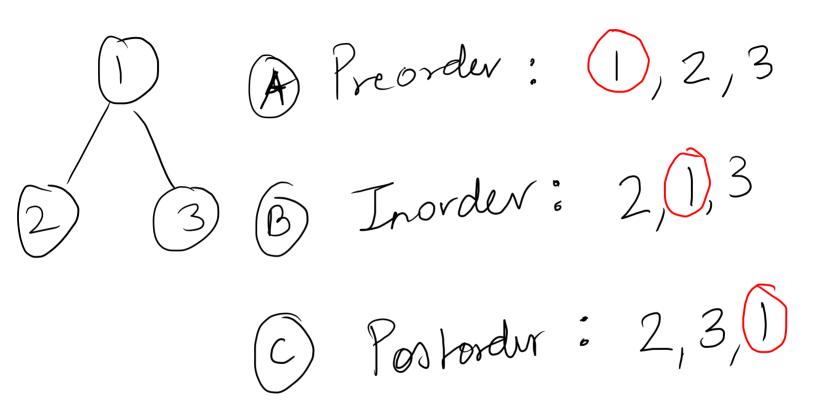
Root uft nght



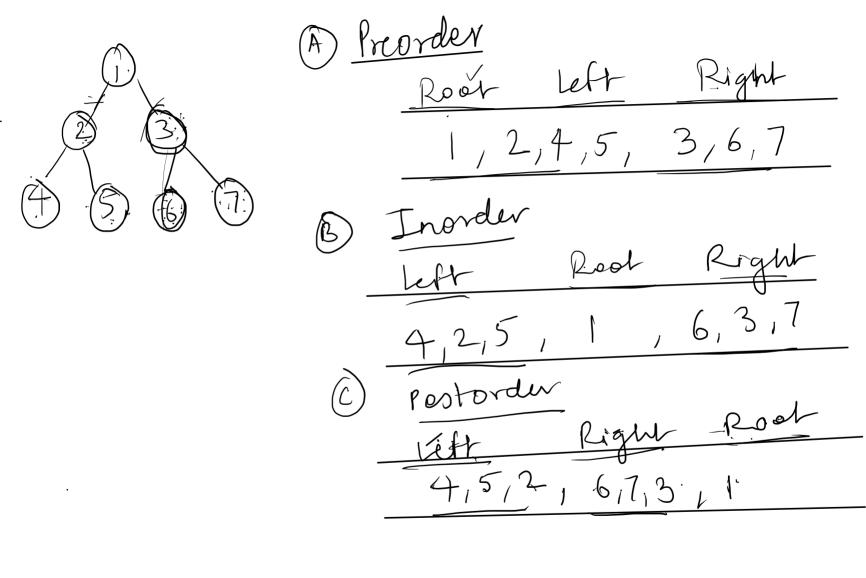


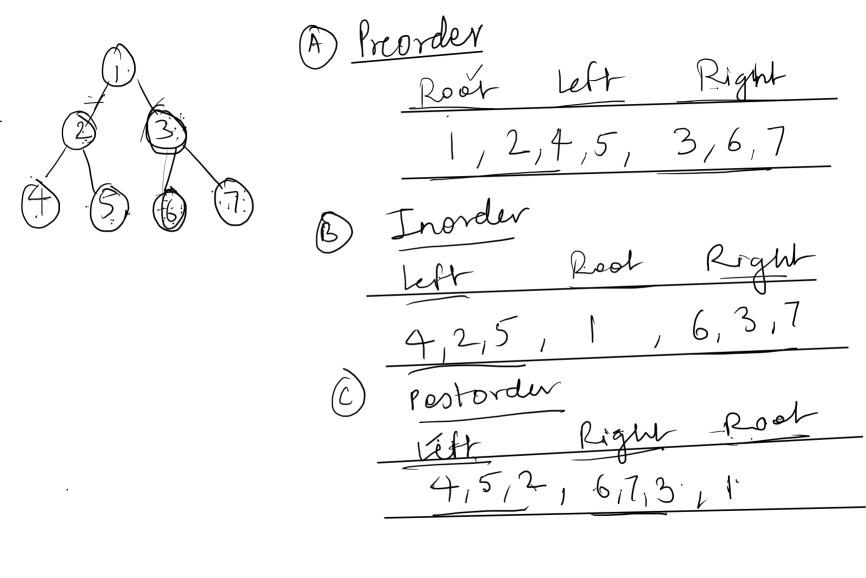


Preorder Rock Root Inorder Root Postorder



Preorder: 10, 20,40,50, 30 Inorder: 40,20,50,10, 30 right roll Postordur : 40,50,20, 30,





A, B, D, H, I, E, C, F, G, T  $\sqrt{V}$ 

A, B, D, H, I, E, C, F, G, T  $\sqrt{\mathcal{M}}$ 

A, B, D, H, I, E, C, F, G, T  $\sqrt{\mathcal{M}}$ 

Root, Right 3 H, D, I, B, E, A, F, C, J, G

H,1,0,E,B,F,J,G,C,A ( who

Root, Right 3 H, D, I, B, E, A, F, C, J, G

Preorder 21,2,4,5,3,6,79 if (rale = null)