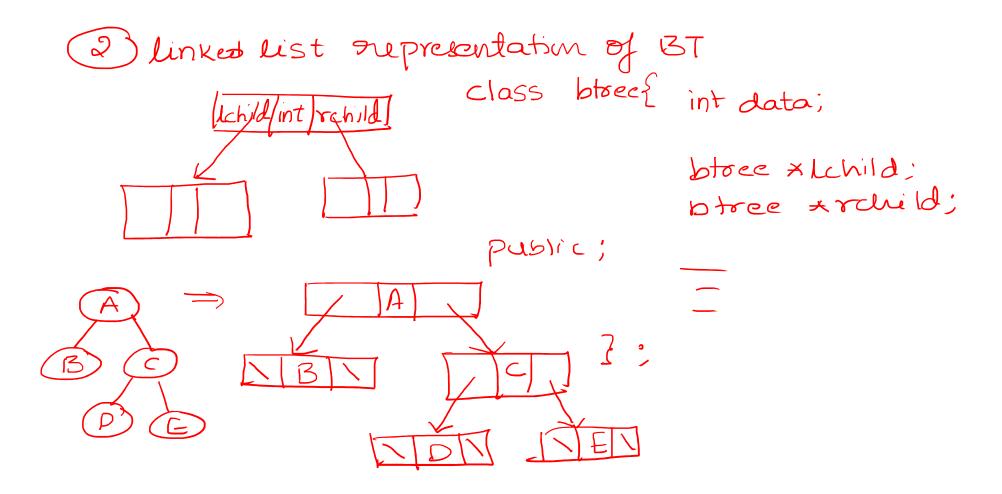
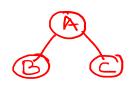
## Binary Tree: Traversal Techniques

Dec. 04<sup>th</sup>, 2021 Lecture-18



## Traversal Techniques:

- Inorder traversal → LYR
- <u>Postorder traversal</u>
- Preorder Traversal
- Level-order traversal \_\_ leve wise display (L-> R)

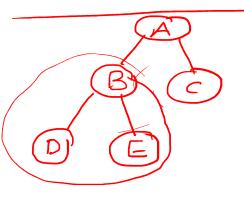


Inorder = BAC

postorder = BCA

poseorder = ABC

levelorder = ABC

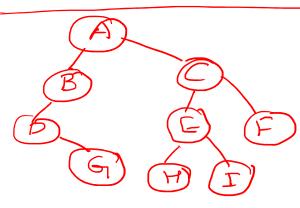


In: DBEAC

post: DEBCA

pre: ABDE C

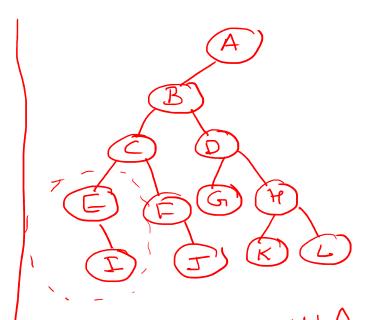
level: ABCDE



In: DGBAHEICF
post: GDBHIEFCA

Tre: ABDGCEHIF

level: ABCDEFGHI



In EICFJBGDKHLA

POST: IEJ JCGKLHDBA

Pre: ABCEIFJDGHKL

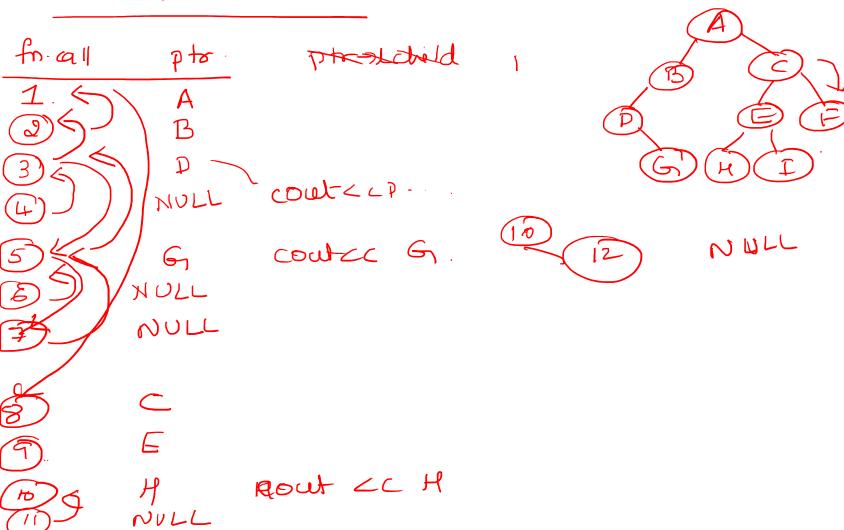
level: ABCDEF SHIJKL

B void inorder (btree \*ptr) P=A= if (pto 1= NULL) // if (Pto) ptr→lchisch B) & inorder(pto-stehild); NULL Cout <2 ptr->data;

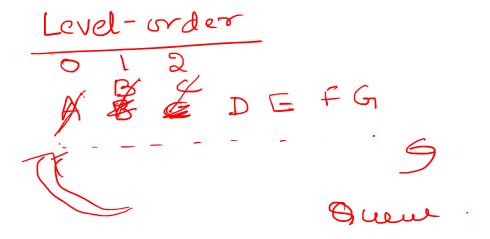
inorder(ptr->ochild); NULLNOKE

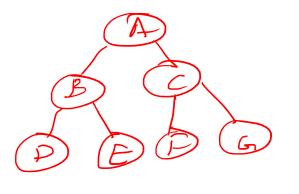
DG

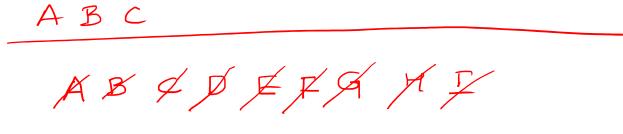
## Recursive inorder

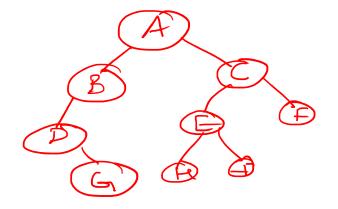


Postorder Preorder roid preorder (blace xpts) if (ptri=NULL) { coulsepto->data; preorder (pto-stehild); preorder (pt ordnild);









A B C D E F G H I