Today's Content
J
-> Binary Tree
-> Traversal
→ gleaghire traversals
-> Construct B.T from Proceded to Inorder

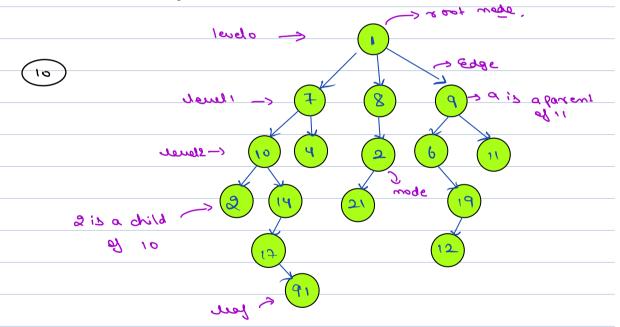
## 11 linear data structures -> arrays, stacks, LL.

CFO CTO COO

UP

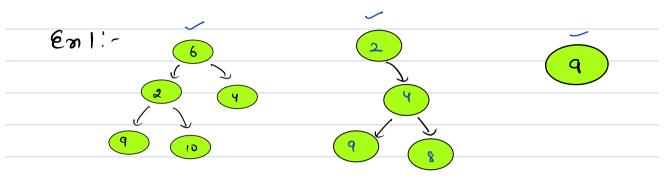
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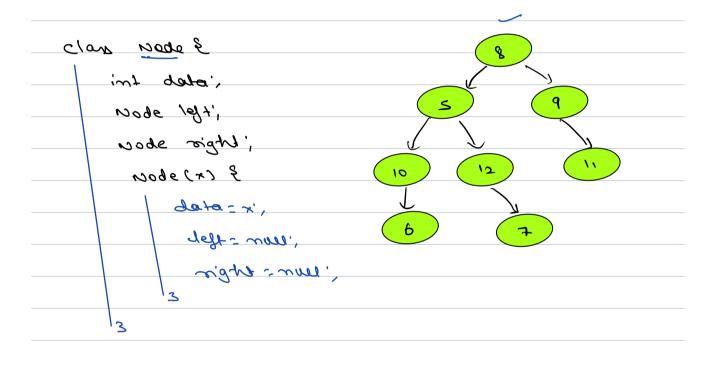
TM, TM2 TM3

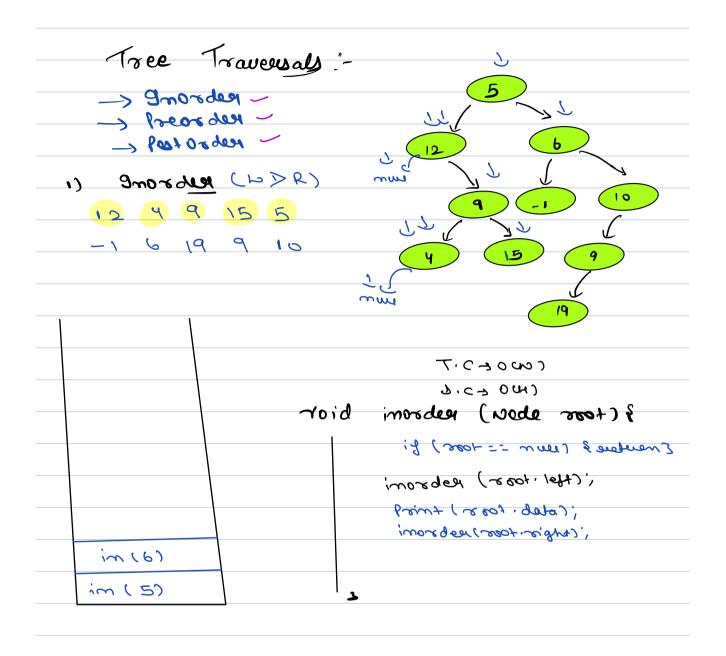


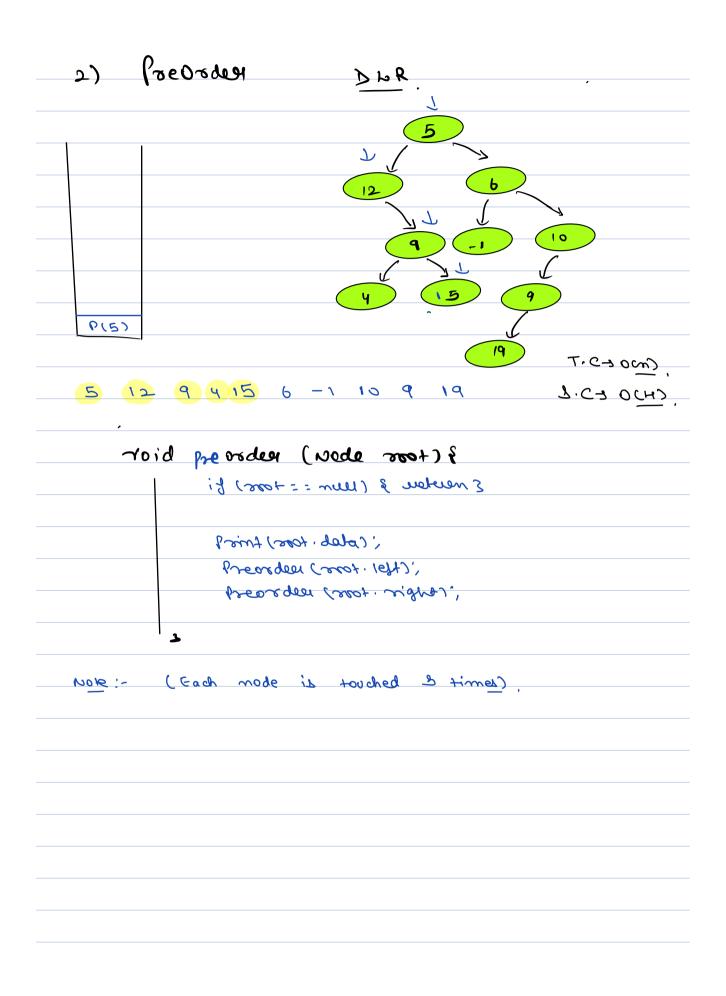
leaf -> 9t is a node with no children.

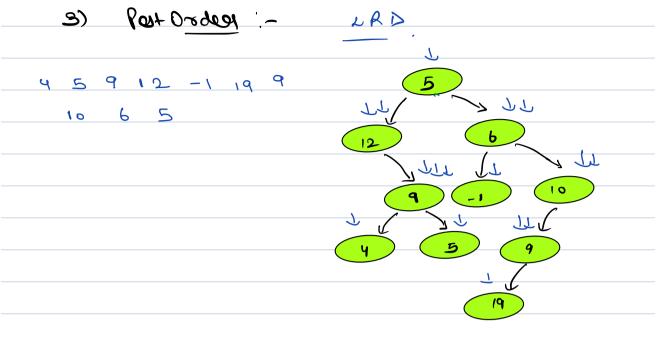
Binary Tree: - for every mode, mo: of children r=2



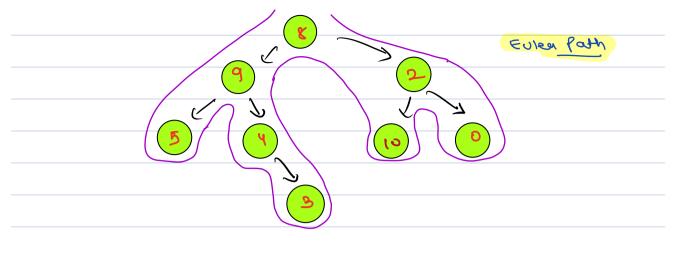








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lost order (mot. 16/1);	
losto egos (sept. vight),	
Point (sept. dala);	



(LDR) Gnorden	5943	3 8 10 2	<b></b>	
CDLA Powder	8 9 5	432	10 0	
(LRD) POStOrdes	5 3	4 9 10	0 2 8	
		8:20 Am-	9	

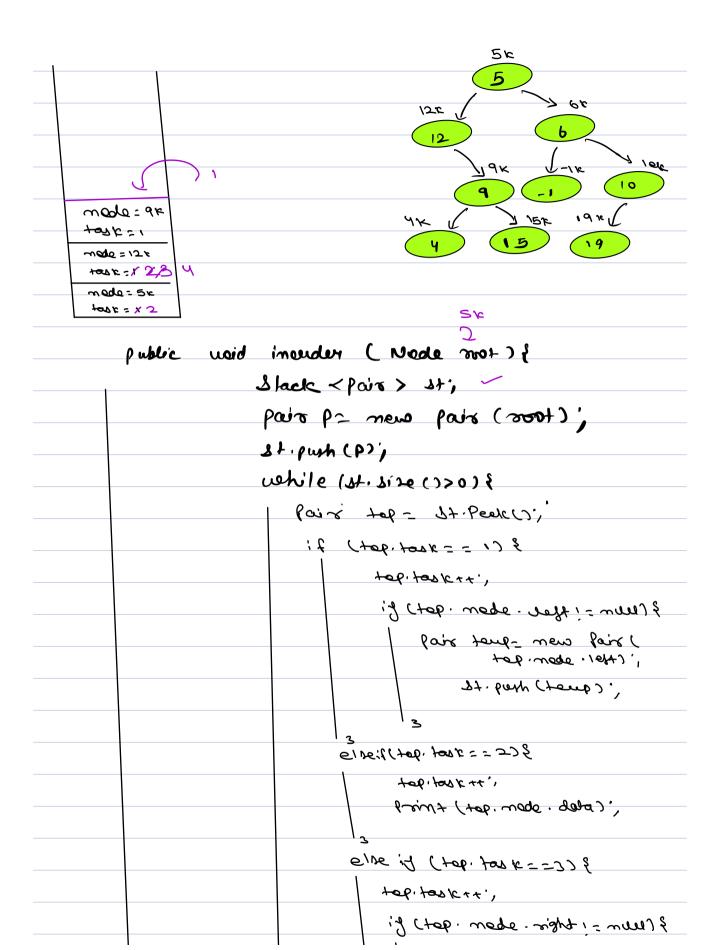
## Inorden Itenative :- (LDR)

1) Call left child
2) Print data
3) Call right child

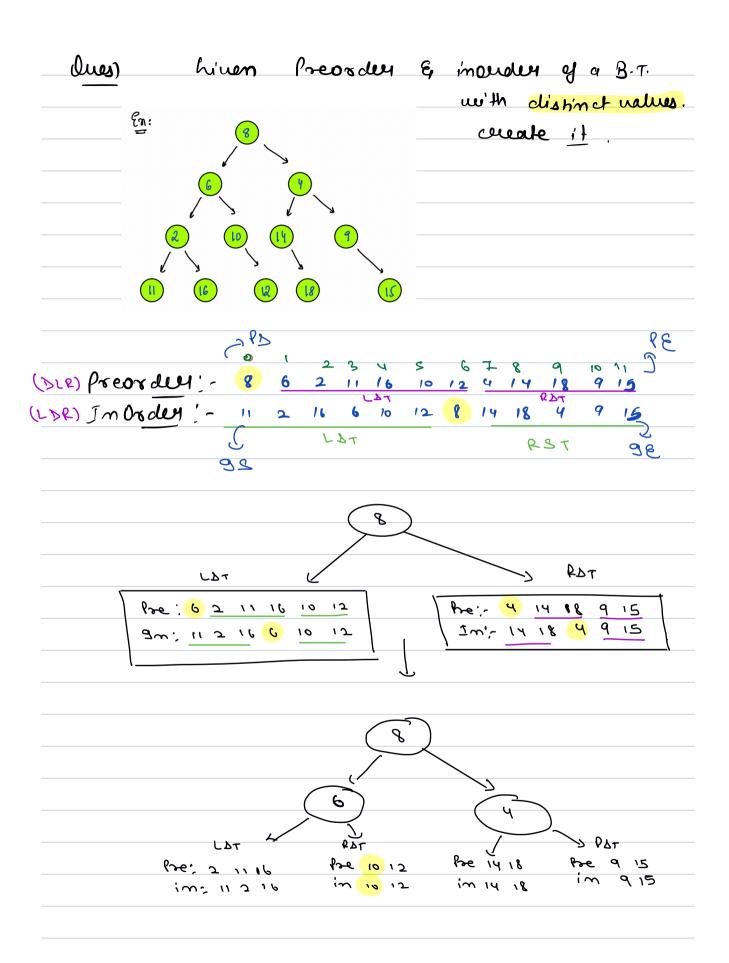
mode test

12 4 9 15 9

## class Pairs & Node mede T. C-10(M) int took: Pairs (Node+) & Mode: t Total O(M) 1 Analy: 1



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                                                (-) 2015dx-B3.
                        8+ AB - X- xb7 too or (=
         (PD+1, e) = elements (AT
         => e-ps-1+1 = elements vot
                          St 121 Elmes = 9 (=
DLR) Preorder: - 8 6 2 11 16 10 12 4 14 18 4 LDR) In Order: - 11 2 16 6 10 12 8 14 18 4 PDT

Clements 12 2001
                                                        38.
      Pseudo Code: - (1 pre cz, 9mcz.
   Node create (int Ps, int Pe, int is, intie) &
           5 mm newbore 3 (9: <2: 11 99 < 69) ;
              int root bala - Pre TRIJ:
               , copo tos son = tos spor
               int rootedx = find (is, ie, rooteda);
               6P-x6Itax = 7614 nombe ini
                                    elemb LST +PS
                modilet = create ( (1)+1, , 98, rod [dx-1);
                ~ oot . right = create ( 7, pe, rotidant, ie);
                           1+ 69+ 721 Elmes
                 itory meeting,
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	mal
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$\not \bowtie \not \bowtie \not \simeq$	
a a a #  appadbc	p-1x5 a-1x5
<b>N N</b>	
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