Dts 2 Recursing depter fixst seon Ch Postaden 3 1,0,611,5,7,3,10 [norder 1/11/0,6,10,5,34 in depter first opproach, un choose any one child and emplore it's complete subtree & make offuer children enplose it's

The 3 defs types how Work. Binary Tree only one diff i.e. the CST & Agt Subrey
RST & Tight Subrey order 10 read elements. Ofs. Jost Os den norden Pronler Lytchild > LST Left Chid > LST Righthid - RST Root Root Left child > LST Root Right Child > RST Right-child + RCT

Poot of KST HP Pre Oxd or 157 18 tool W LST 26 . 20 125 117 10,11,1,6,0

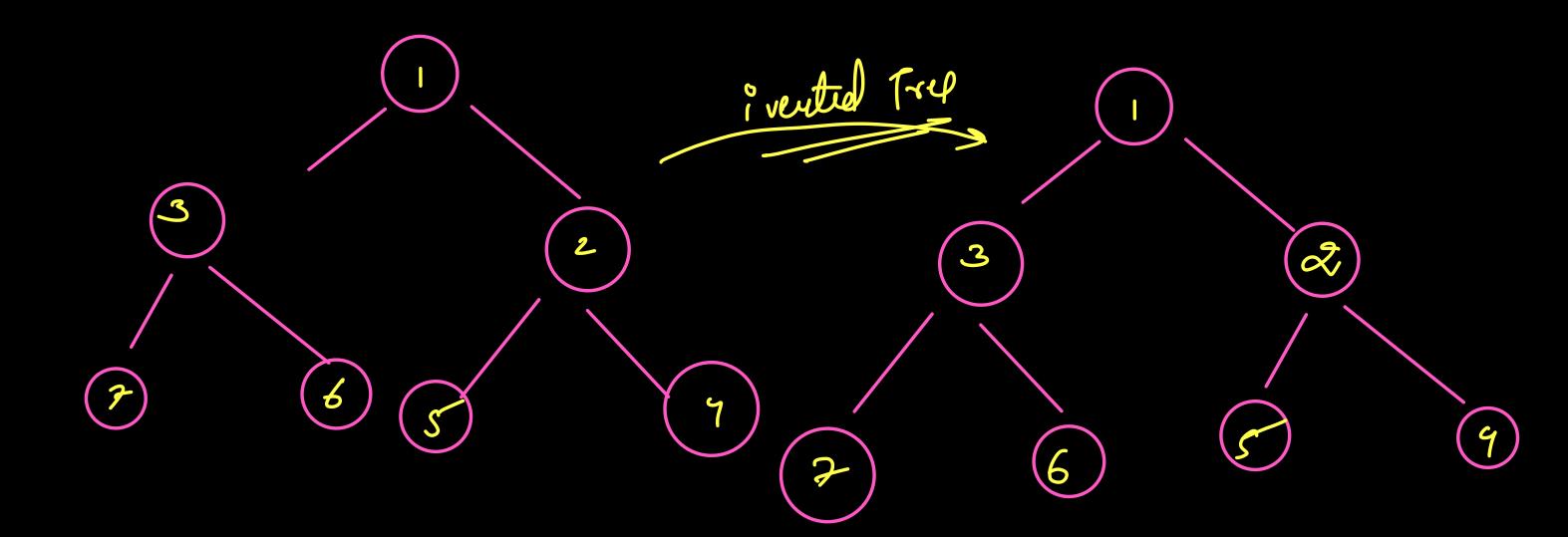
```
let result;
14
     function preorder(root) {
15
         if(root = null) return null;
16
         // If thee root is not null, that means it has some data
17
         // process the root
18
         result.push(root.val);
19
20
         // go to the left sub tree recursively
21
         preorder(root.left);
22
23
         // go to the right sub tree recursively
24
         preorder(root.right);
25
26
27
28
     var preorderTraversal = function(root) {
29
30
         result = [];
31
         preorder(root);
32
33
         return result;
     };
34
```

C3, 1, 4,5°

meorde (6)

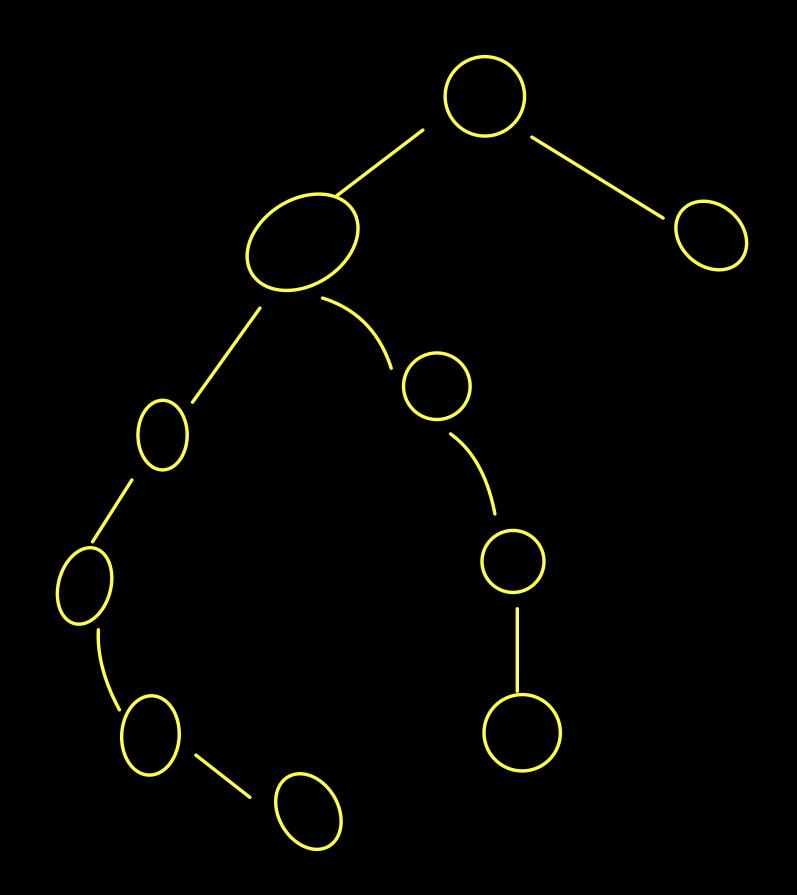
preorder (3)

22/25



Post Orde . - + Porcule

f (root.left) (root) C (2007. right) flis finc invents the gen 6.7 // invent the value frq Sup (LSt, KSI)



250 ort \rightarrow md \rightarrow 3 md -7 & max depth > longert Boells from root to

= | + max / f (rosis left), f (700t)ffroot. viget) marinum depth of Postordu = | md -> f(root. left) End - thook. right

JOIN THE DARKSID

ans It max (Ind, and)

ho caly depth our of 9 and D, NO

=> 1St = f(rootoleft) f (root) x8t = f(x00t.xiynt)returns the max depths
of the hree 500 ted at ams = max (ans, 1st + π st +1) 100t 1+ max (1st, rst) - clun Calc flu drameter poss! Jes curut poss! Jes curut voot rock.

1 12 am = 7 6

ams = Kue

LOIN THE DARKSIDE

$$hq = f(root.left)$$
 $hr = f(root.right)$
 $ano = ano & & (abs(hr-he) \leq 1)$

retur (f max (hr, he)