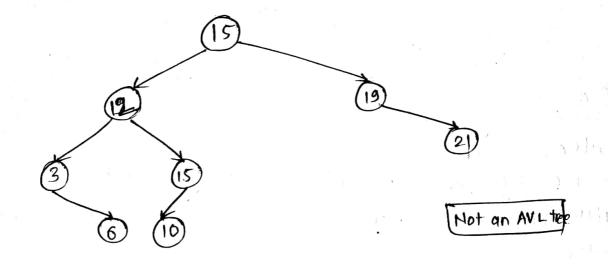
## Sarang Vivek Dev. (19BEC039)

9.1.

- i) Inorder: AKBJCL DEH GFI
- 11) Preorder: LKAJBCIHEDFG
- iii) Postorder: ABCJKIÐ EFGHL

Q. 2.

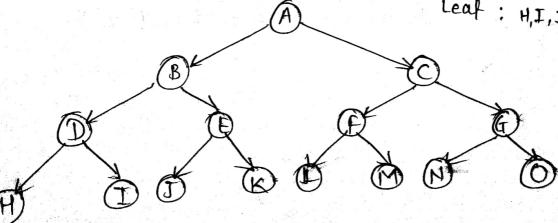


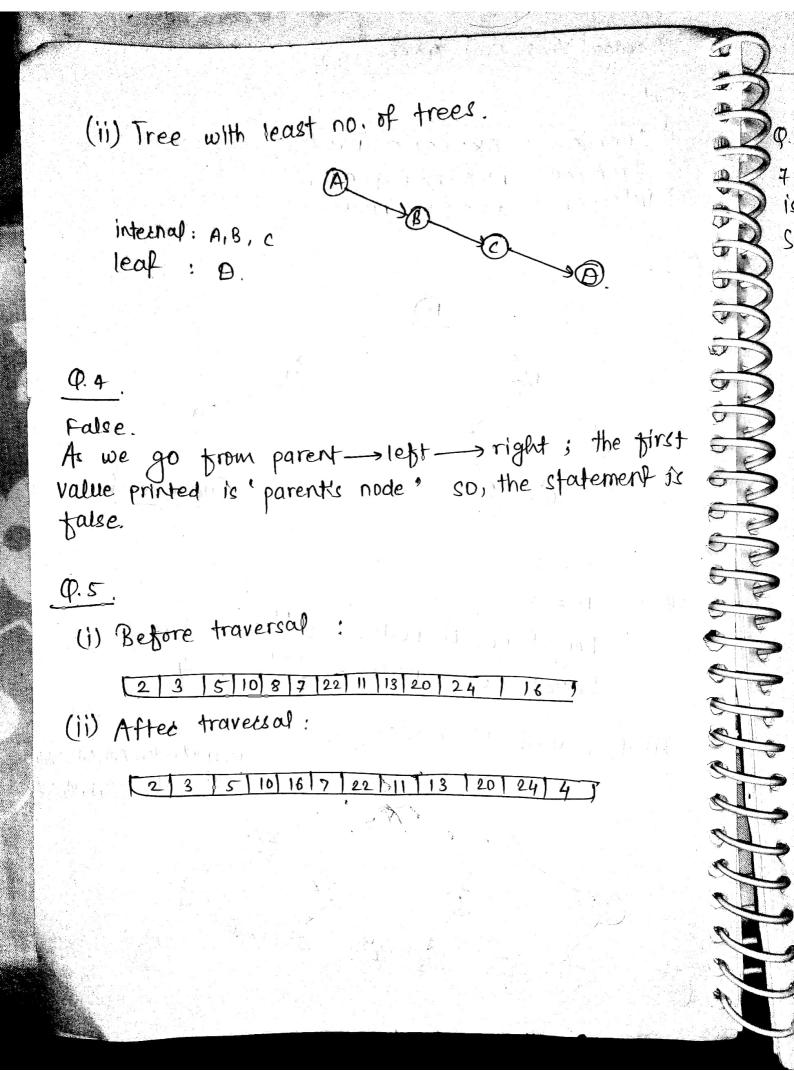
$$Q.3. \quad N = 3$$

Largest no. of nodes = 
$$2^{n+1} = 15$$
  
Least no. of nodes =  $2^{n-1} = 4$ .

(i) tree with 15 nodes.

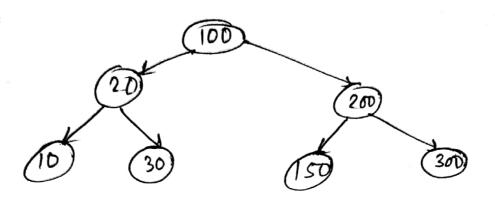
Internal nodes: A,B,c,B,E,F,h
Leaf: H,I,J,K,I,M,N,O



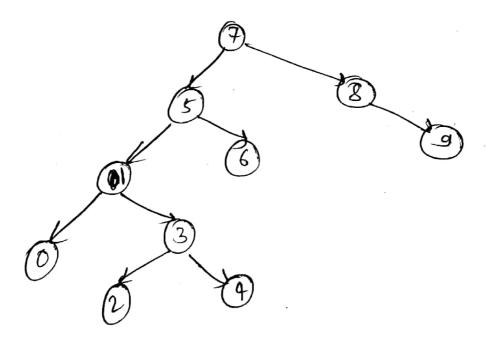


9.6.
7 numbers are given. So, we need a no. which is bet'n this sequence in middle.

50,



9.7. Numbers are: 0,1,2,3,4,5,6,7,8,9



inorder: 01,2,3,4,5,6,7,8,9.

Option III):