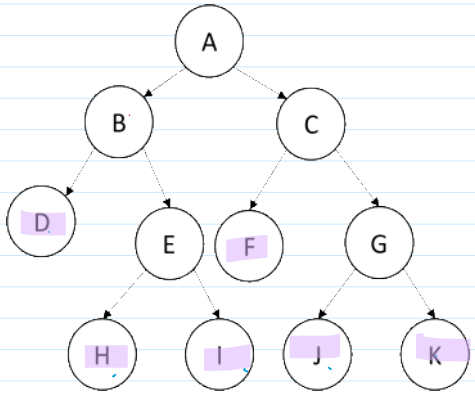
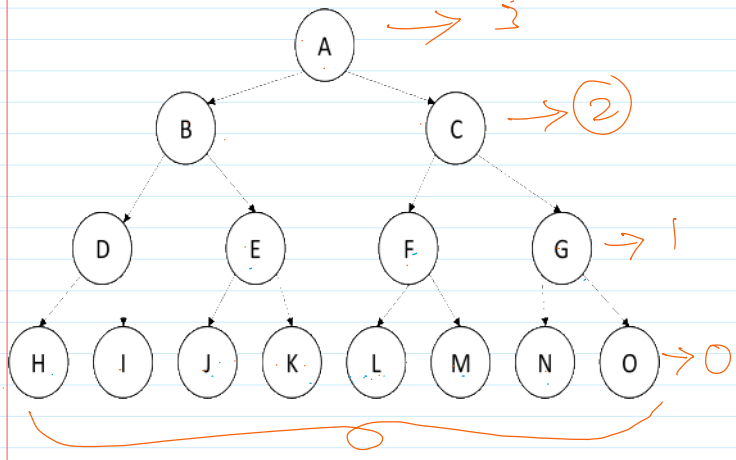


Strictly/Full Binary Tree :

- Binary tree in which each non-leaf node has exactly two child nodes.
- Strictly binary tree with n leaves always has 2*n – 1 nodes.

2×6 - 1



Complete Binary Tree :

Consider height of Empty tree = -1

- Complete binary tree of height h whose all leaves are at same level.
- Number of nodes = $2^{h+1} - 1$ $2^{3+1} - 1 = 15$
- Number of non-leaf nodes = $2^h - 1$ $= 2^3 - 1 = 7$
- Number of leaf nodes = 2^h $= 2^3 = 8$
- Number of non-leaf nodes is 1 less than leaf nodes

If height of empty tree is -1 the formula for no. of nodes :
2^(h+1) - 1

If height of empty tree is 0 the formula for no. of nodes :
2^h - 1