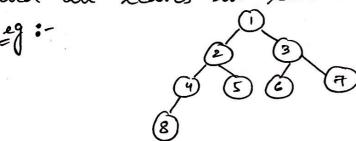
A binary tree is balanced if the height of the tree is $O(\log n)$ where in is number of nodes in tree. ALL trees, Red-Black trees and balanced binary Search trees all maintain $O(\log n)$ height and are balanced as the depth of 2 subtrees of every node never differs by more than 1.

49:-(2) (3) (4)

Complete Tree:

A complete binary tree is a binary tree whose all levels except the last level are completely filled and all leaves in last level are all set to left side



Non-Complete Tree:

A non-complete brinary tree is a brinary tree where not all levels of tree is completely filled and the leaves in last level need not be set to left side

eg:

