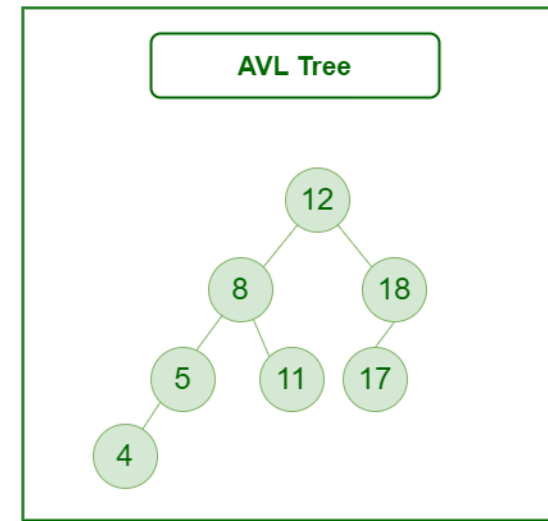


# AVL Tree

# AVL Tree

- An **AVL tree** defined as a self-balancing Binary Search Tree (BST) where the difference between heights of left and right subtrees for any node cannot be more than one.
- The difference between the heights of the left subtree and the right subtree for any node is known as the **balance factor** of the node.



# Insertion in AVL

- Each node should be balanced after inserting new node.
- The tree must satisfy the BST requirements.

- 20,30,40,50,10,5,0

- 0,5,10,50,40,30,20