**Trees**

**Root**: Top-most node

**Children**: Immediate beneath nodes of a node

**Ancestors**: All the nodes above a node

**Leaf Node**: Nodes that don’t have any children

**Types of Binary Trees**

**Full Binary Tree**: A binary tree in which every node has either 0 or 2 children.

**Complete Binary Tree**: A binary tree in which all levels are completely filled except for the last level. If the last level is not completely filled, nodes must be as left as possible.

**Perfect Binary Tree**: A binary tree in which all leaf nodes are at the same level.

**Balanced Binary Tree**: A binary tree whose height is at max .

**Degenerate Binary Tree**: A binary tree where every node has at max a single child.

[**Representation of Binary Tree**](https://github.com/archishmanghos/Trees-For-Placement/blob/master/Binary-Tree-Representation.cpp)**:** This code will generate the following binary tree:

