

# TREE CONCEPTS

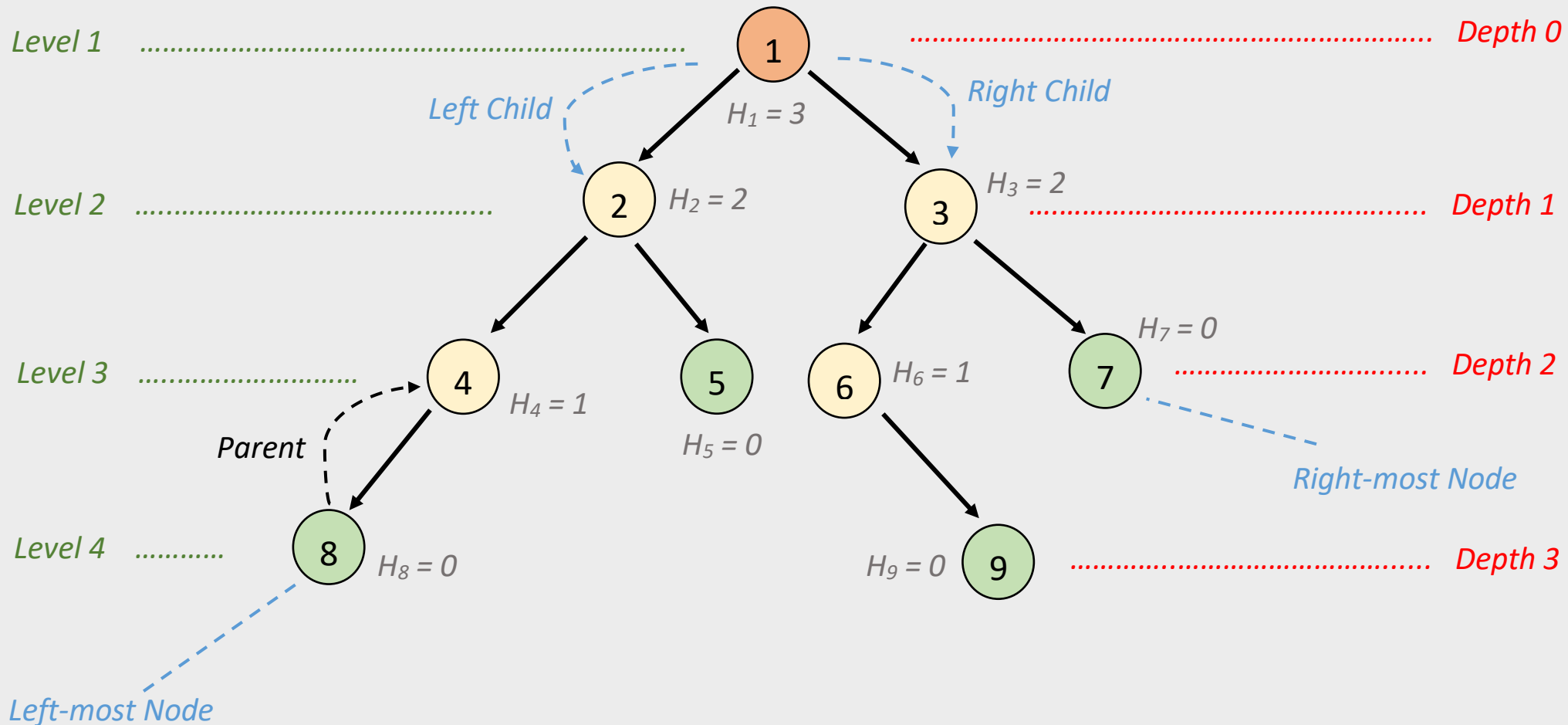
**Root:** Node with no parents. Only one node in a tree can be root.

**Leaf:** Node with no children.

**Depth:** Length of the path from a node to root.

**Level:** Breadth level of the node. Similar to depth but conventionally starts from 1.

**Height:** Longest downward path to a descendant leaf node. Height of the tree is height of the root.



$H_i$  : Height of Node  $i$

\* Descriptions given in this color are binary tree concepts.

