

Tree Detail

1 min

Trees grow downwards in computer science, and a *root* node is at the very top. The root of this tree is `/photos`.

`/photos` references to two other nodes: `/safari` and `/wedding`. `/safari` and `/wedding` are *children* or *child* nodes of `/photos`.

Conversely, `/photos` is a *parent* node because it **has child nodes**.

`/safari` and `/wedding` share the same parent node, which makes them *siblings*.

Note that the `/safari` node is child (to `/photos`) **and** parent (to `lion.jpg` and `giraffe.jpg`). It's extremely common to have nodes act as both parent and child to different nodes within a tree.

When a node has no children, we refer to it as a *leaf* node.

Instructions

These terms: root, leaf, child, sibling, and parent give us a precise way to communicate the relationships between nodes.

What are the **four** leaf nodes in this diagram?

What node has no parent?

What is the sibling node to `lion.jpg`?

