QUIZ

In a binary search tree, values in the left child are than their parent, and values in the right child are than
their parent.
Lesser than; greater than.
Correct! A binary search tree allows for efficient search because at each level half of the options are
discarded.
Equal to; lesser than.
Equal to, 163361 trian.
Greater than; lesser than.
Lesser than; equal to.
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Tree nodes which share a parent node are called what?
On the state of th
Co-workers
Partners
Buddies
Siblings
Correct! When two nodes share the same parent, they are known as siblings. They are also on the same
level of the tree!

What would make a wide tree?
Many different data types in different nodes.
Many child nodes per parent node.
Correct! We often think of trees "growing" down from a single root node. The more children a node has, the wider the tree will become.
Many parent nodes per child node.
A tree node which is held as a reference by another tree node is called what?
An alpha node
An uncle/aunt node
A child node
Correct! Trees are composed of nodes that reference other nodes. The nodes being referenced are known as children or child nodes.
A sibling node
A tree node without a parent is called what?
Stick
Branch
Free
Root
Correct! Root nodes have no parent, meaning there is no node which references them as a child node.

Tree nodes which have no references to other nodes (children) are known as what?
free nodes which have no references to other nodes (children) are known as what?
Leaf nodes
Correct! We know when we've reached the "bottom" of a tree when a node has no references to other nodes, also known as children.
Fringe nodes
Depth nodes
Branch nodes
What would make a deep tree?
what would make a deep tree?
Many sibling nodes at each level.
Many sibling nodes at each level. A philosophy class.
A philosophy class.
A philosophy class. Many parent-child connections with few sibling nodes. Correct! A new level is created each time a node becomes a parent (adds a child where it had none

A tree node which holds references to other tree nodes is called what?
An executive node
An owner node
A root node
A parent node
Correct! Trees are composed of nodes which reference other nodes. The nodes which reference other nodes are known as parent nodes.