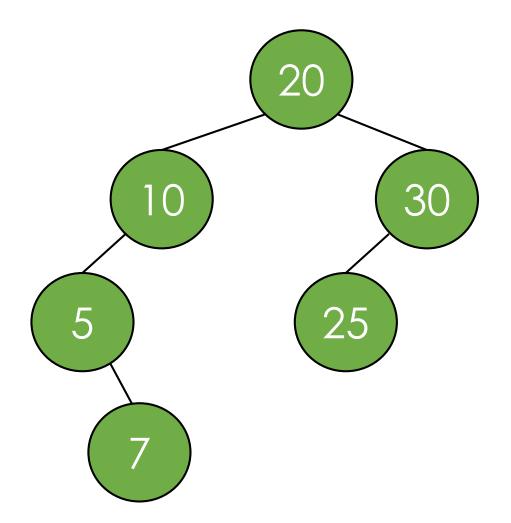
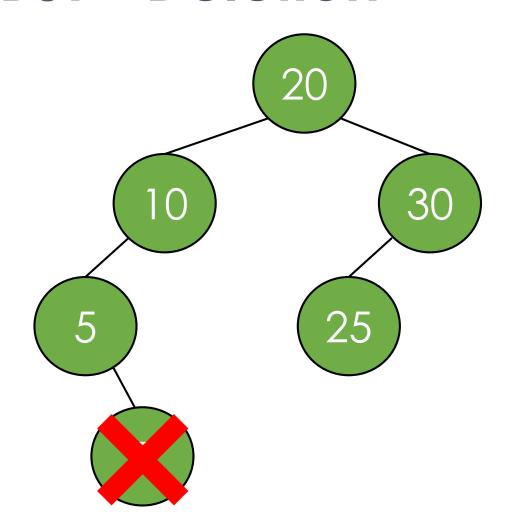
Binary Search Trees: Delete



By the end of this video you will be able to...

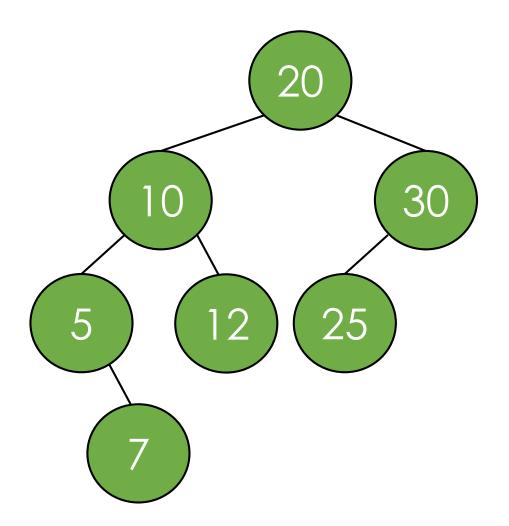
Delete an item from a Binary Search Tree

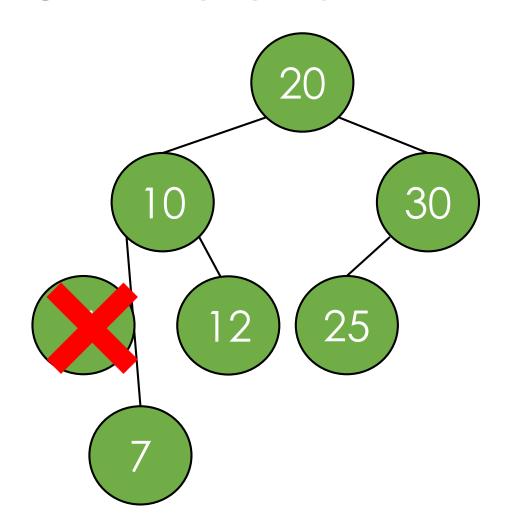




Delete 7

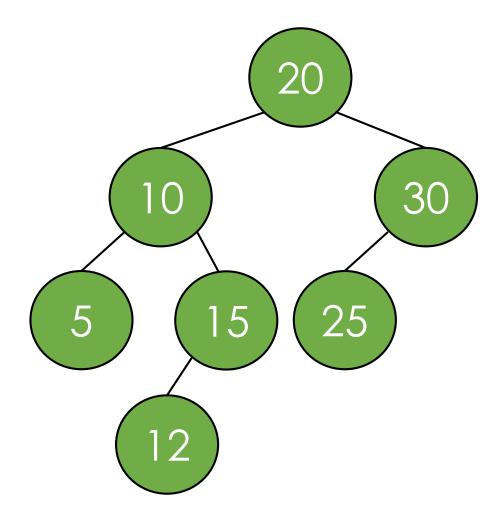
If leaf node: Delete parent's link 7

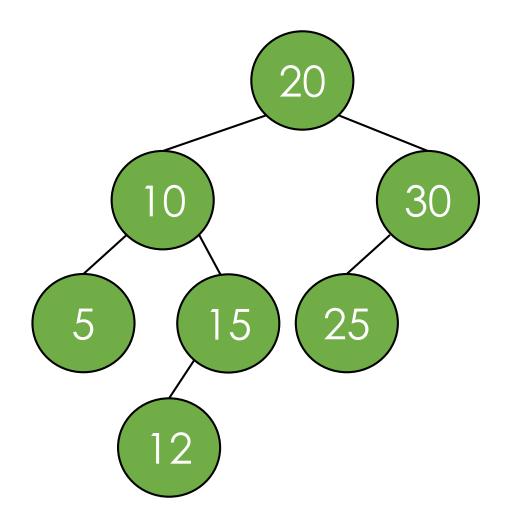




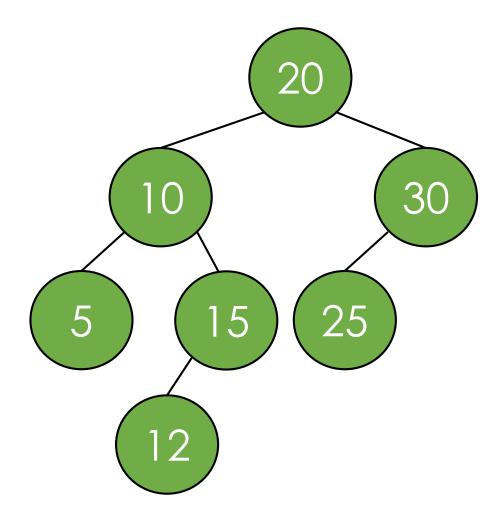
Delete 5

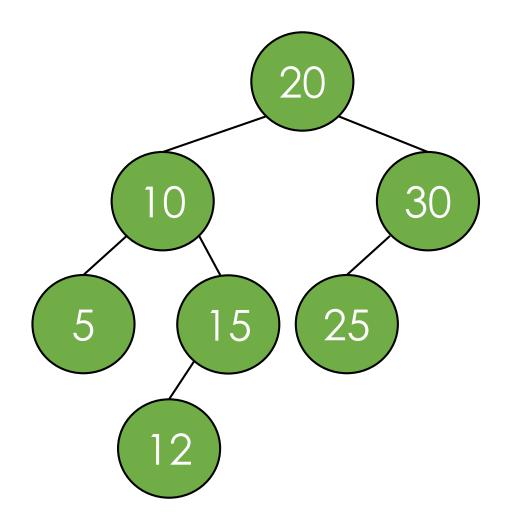
If only one child, hoist child





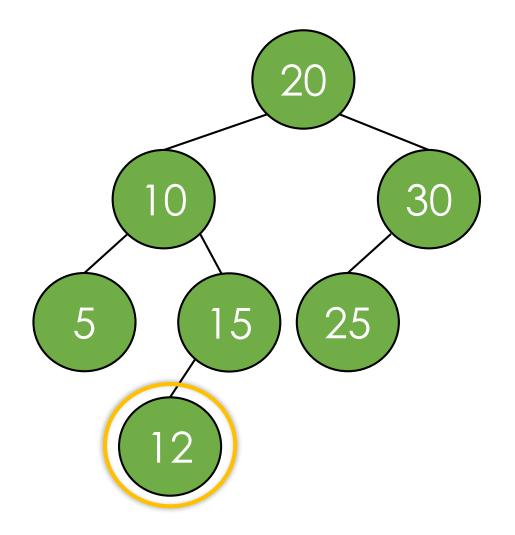






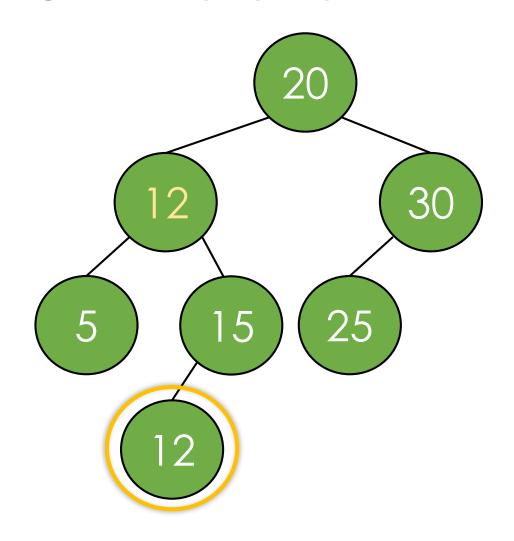
Delete 10

When a deleted node has two children, this gets tricky.



Delete 10

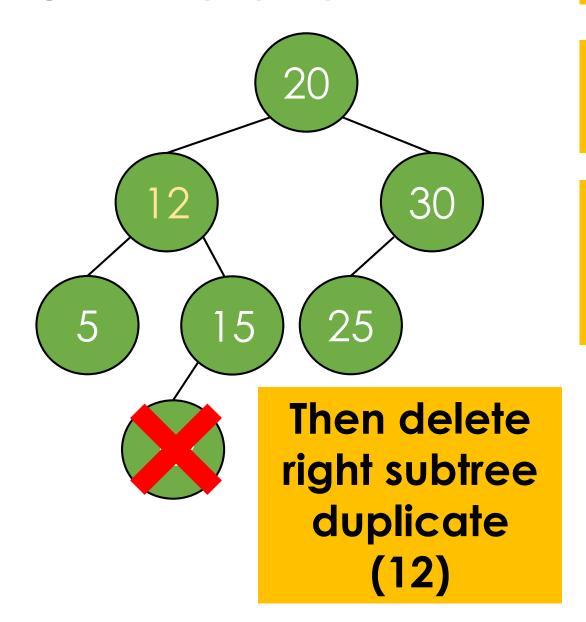
Find smallest value in right subtree



Delete 10

Find smallest value in right subtree

Replace deleted element with smallest right subtree value



Delete 10

Find smallest value in right subtree

Replace deleted element with smallest right subtree value

In this lesson you have:

- Learned how to create Trees
- Explored different traversal options
- Worked Closely with Binary Search Trees
 - Search, Insert, and Delete