



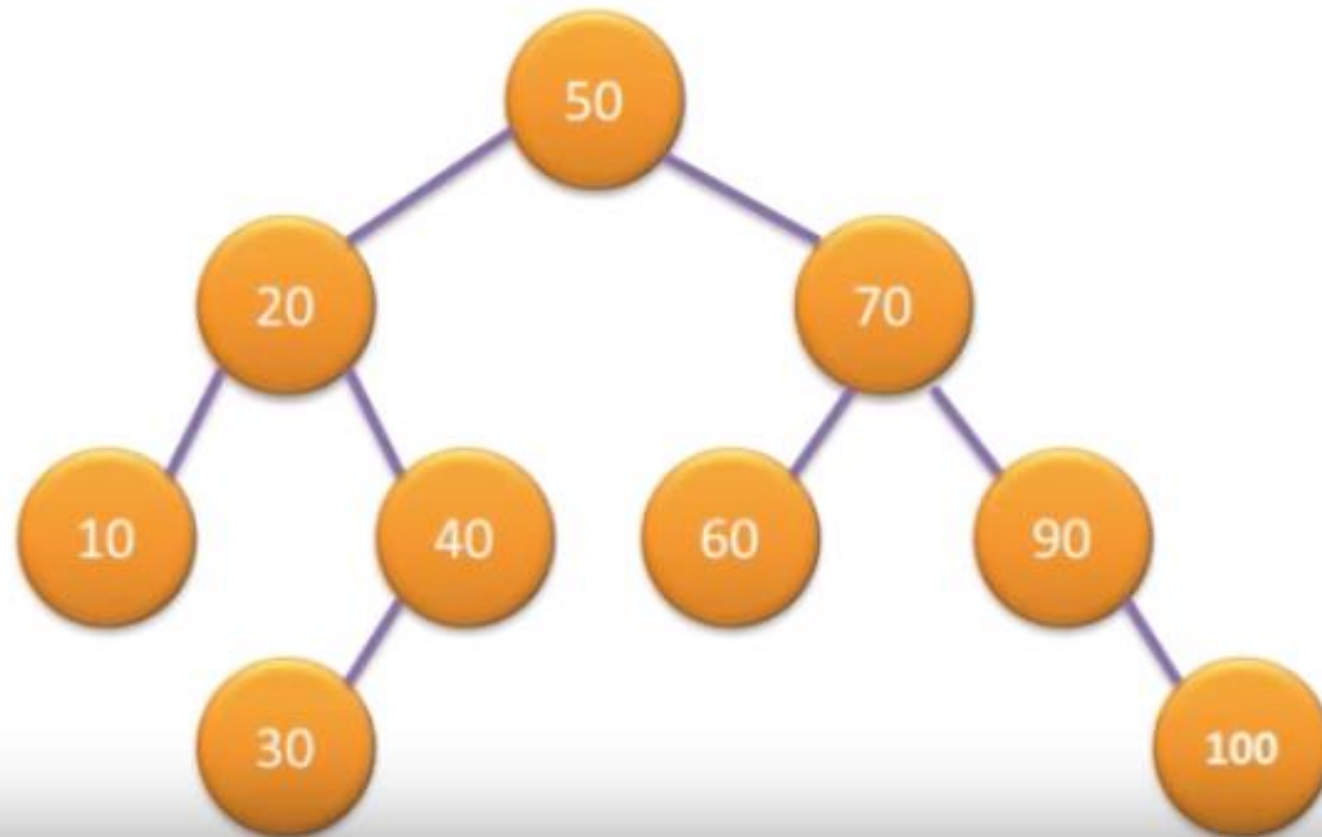
BST Remove Examples

Deleting element from BST

There are 4 possible cases that we need to consider while deleting an element from BST

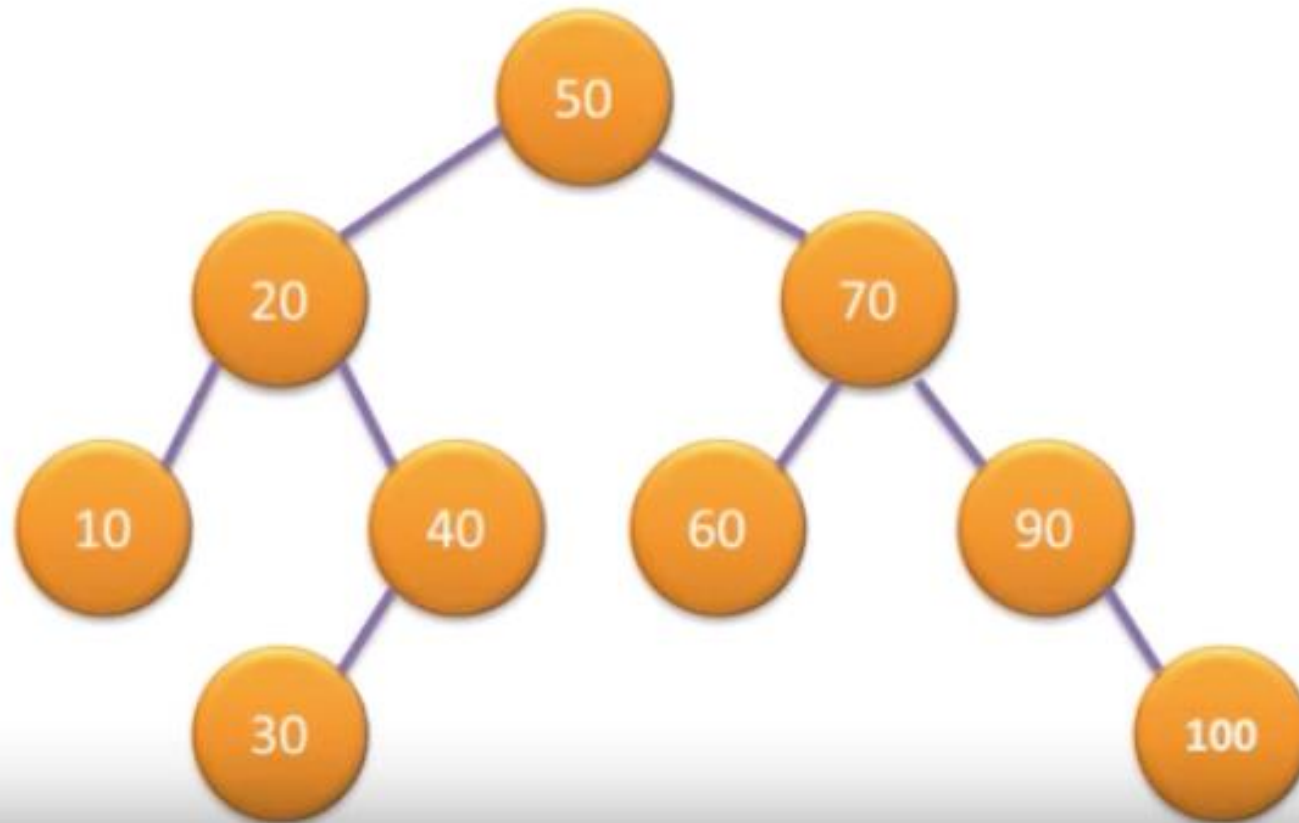
- 1. No node in the BST contains the specified element.*
- 2. Node containing the element has no child node.*
- 3. Node containing the element has 1 child node.*
- 4. Node containing the element has 2 child nodes.*

Case 1: *No node in the BST contains the specified element*

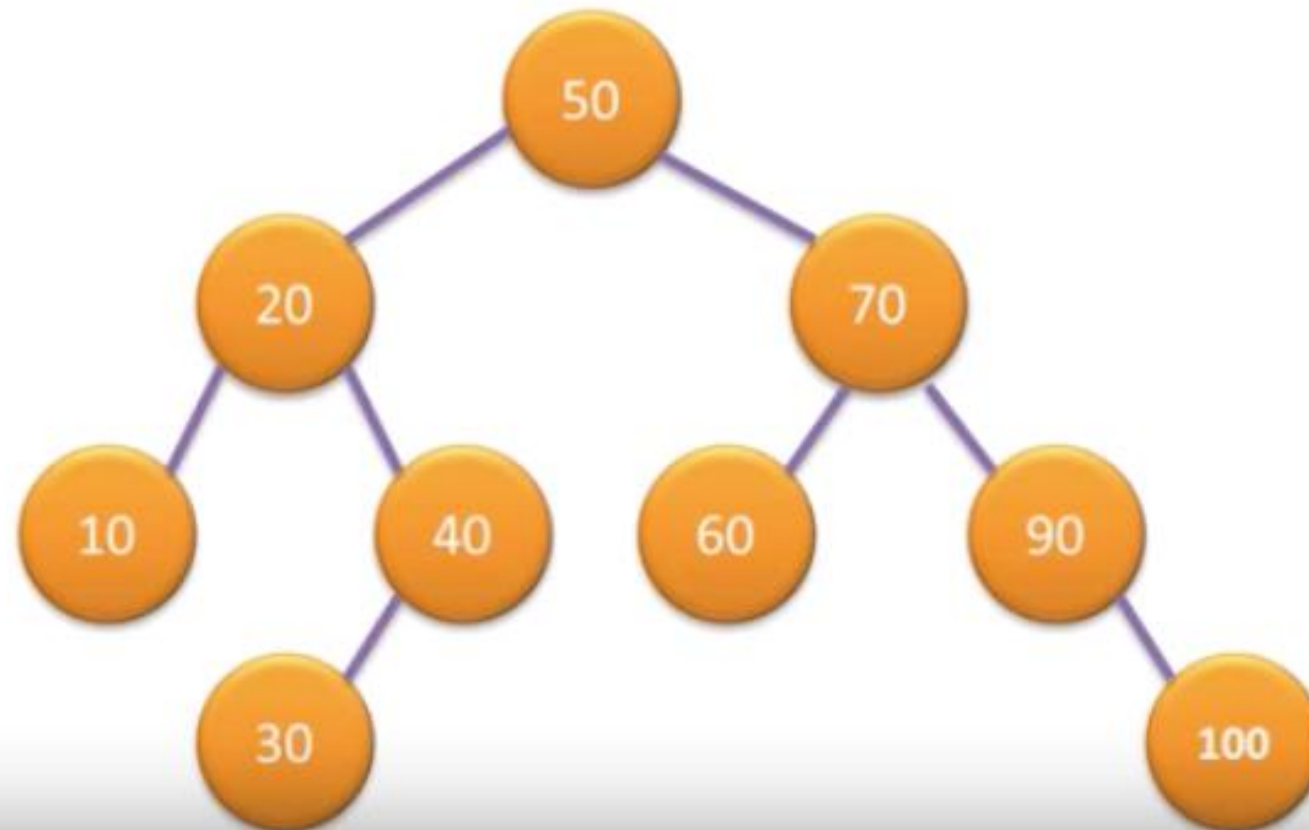


Case 1: *No node in the BST contains the specified element*

Delete element 5

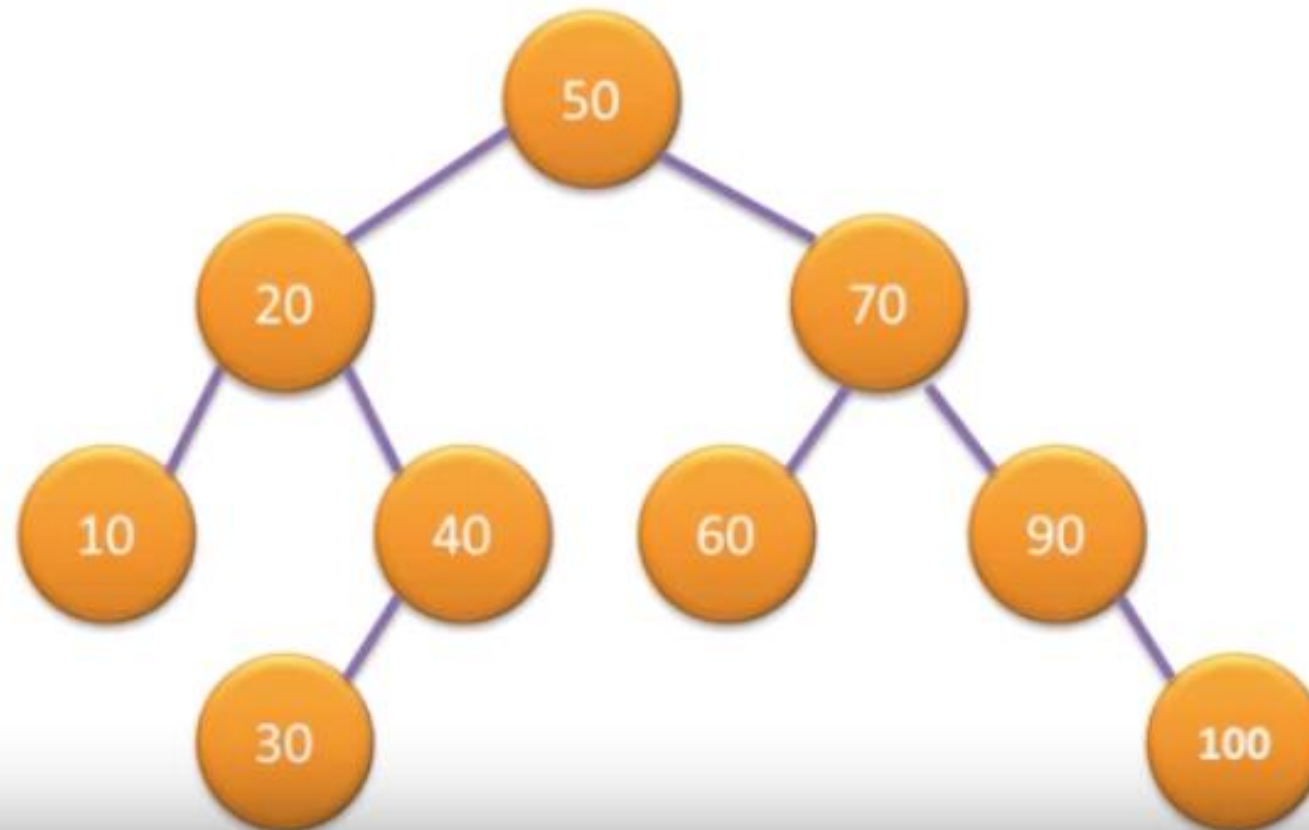


Case 2: *Node containing the element has no child node*

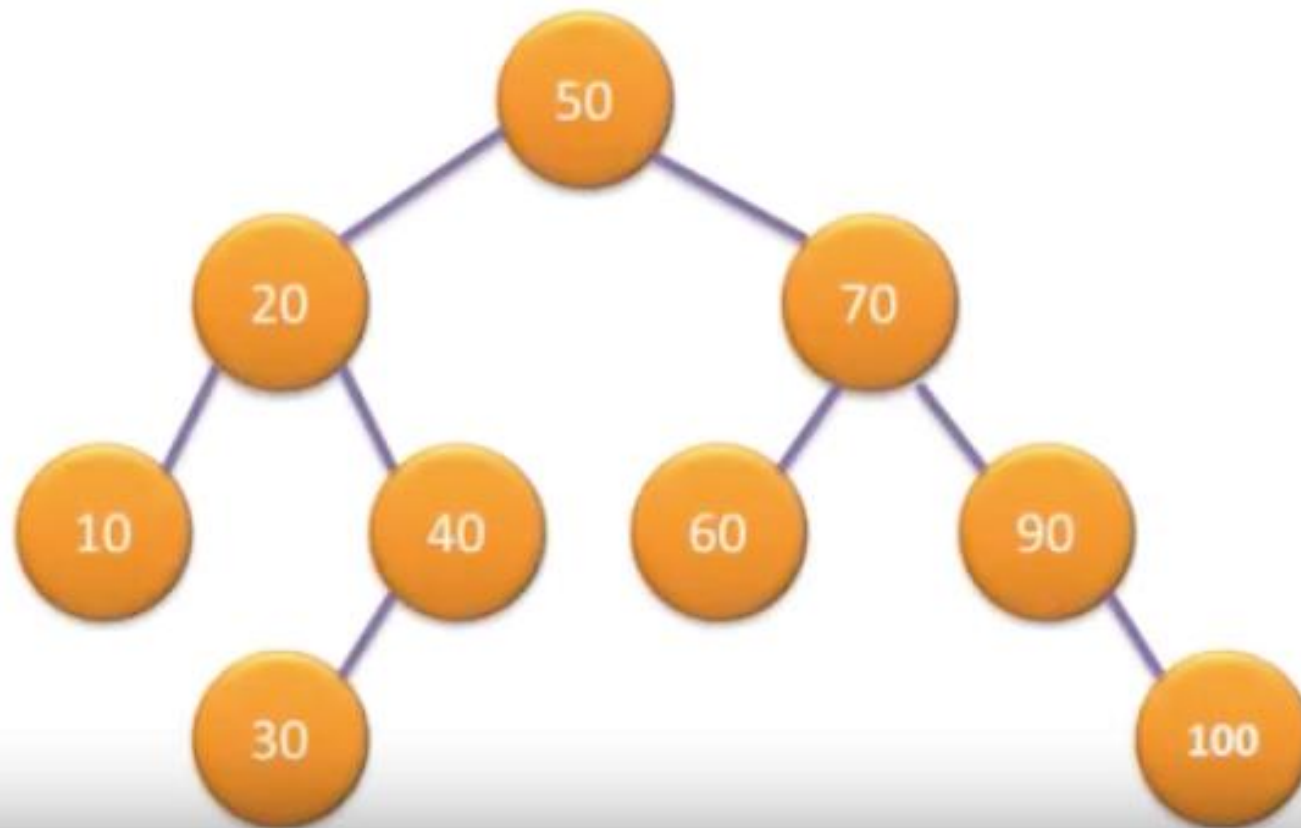


Case 2: *Node containing the element has no child node*

Delete element 60

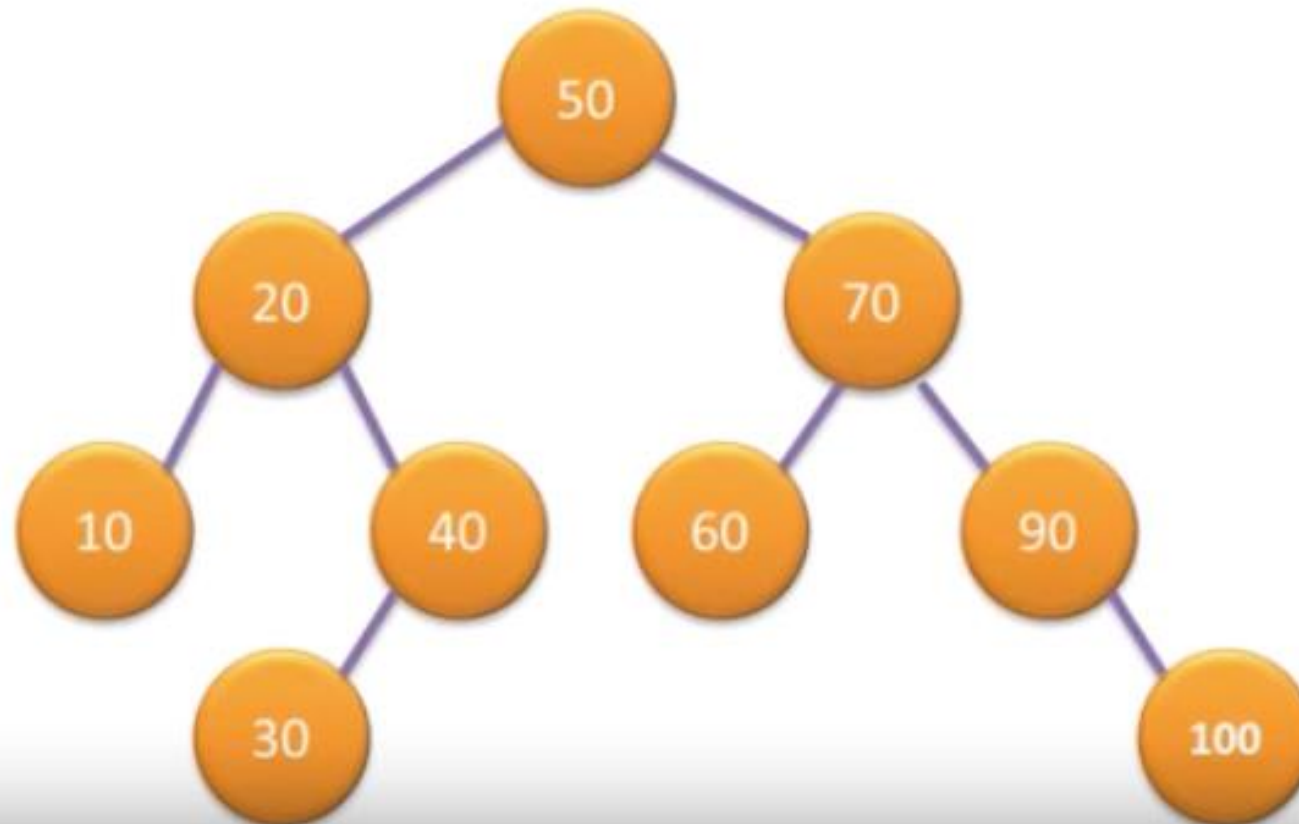


Case 3: Node containing the element has 1 child node

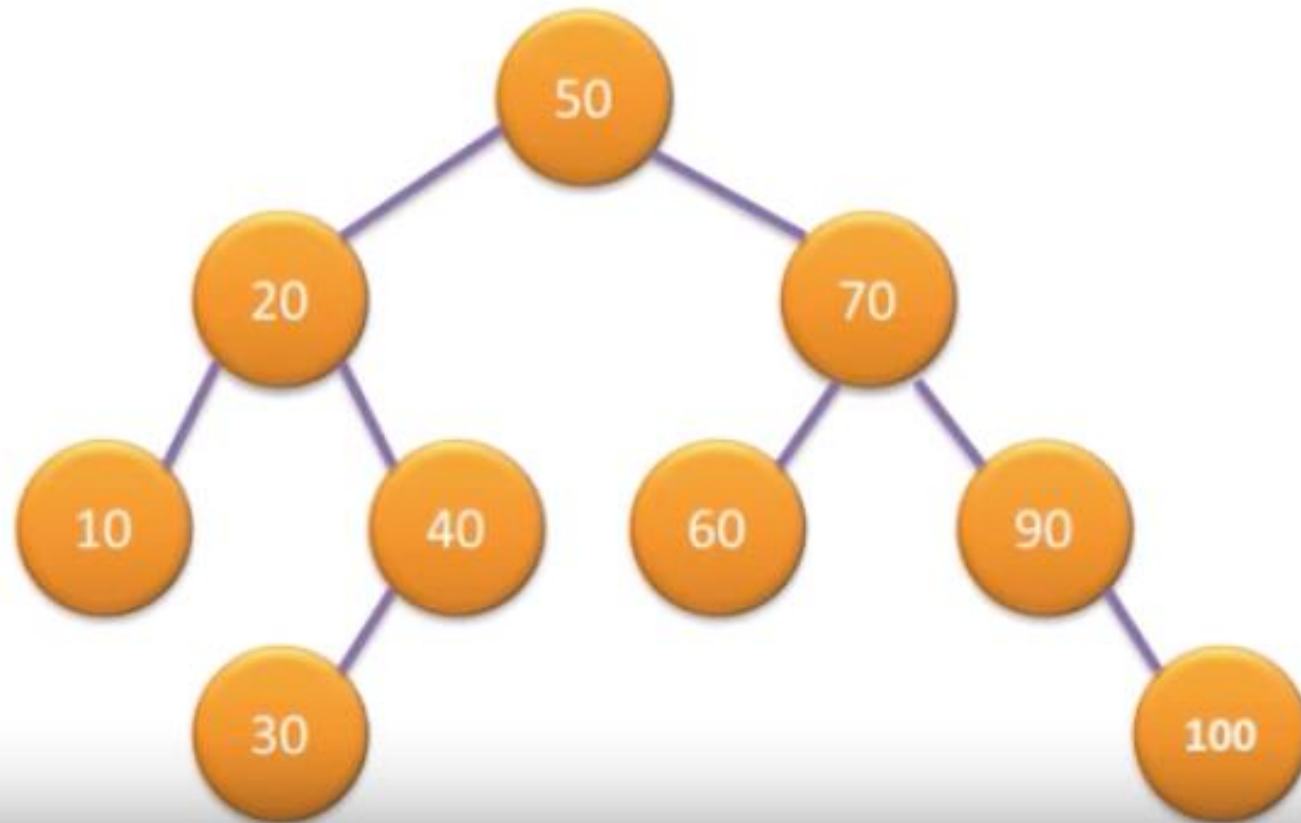


Case 3: *Node containing the element has 1 child node*

Delete element 90



Case 4: *Node containing the element has 2 child nodes*



Case 4: *Node containing the element has 2 child nodes*

Delete element 20

