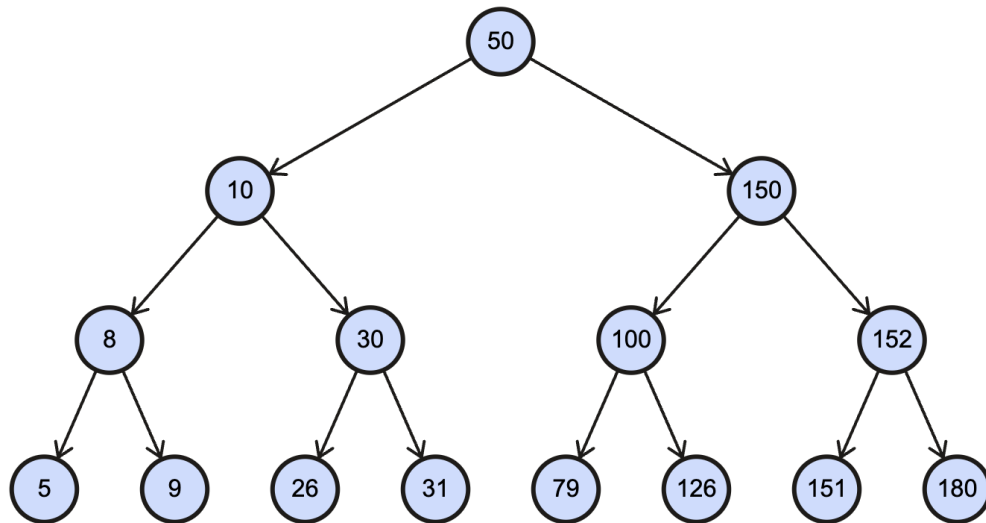


Assignment 10:



1. Pre-Order Traversal Output

50, 10, 8, 5, 9, 30, 26, 31, 150, 100, 79, 126, 152, 151, 180

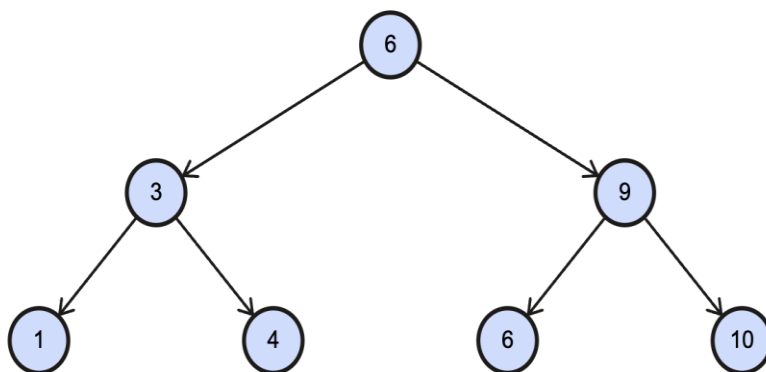
2. In-Order Traversal Output

5, 8, 9, 10, 26, 30, 31, 50, 79, 100, 126, 150, 151, 152, 180

3. Post-Order Traversal Output

5, 9, 8, 26, 31, 30, 10, 79, 126, 100, 151, 180, 152, 150, 50

4. Run-time stack



InOrderTraversal (6)

Stack	Waiting stack ...
InOrderTraversal(null)	
<i>Console Print => 10</i>	
InOrderTraversal(null)	
InOrderTraversal(10)	<i>InOrderTraversal(null)/Print (10)/InOrderTraversal(null)</i>
<i>Console Print => 9</i>	
InOrderTraversal(null)	
<i>Console Print => 6</i>	
InOrderTraversal(null)	
InOrderTraversal(6)	<i>InOrderTraversal(null)/Print (6)/InOrderTraversal(null)</i>
InOrderTraversal(9)	<i>InOrderTraversal(6)/Print (9)/InOrderTraversal(10)</i>
<i>Console Print => 6</i>	
InOrderTraversal(null)	
<i>Console Print => 4</i>	
InOrderTraversal(null)	
InOrderTraversal(4)	<i>InOrderTraversal(null)/Print (4)/InOrderTraversal(null)</i>
<i>Console Print => 3</i>	
InOrderTraversal(null)	
<i>Console Print => 1</i>	
InOrderTraversal(null)	
InOrderTraversal(1)	<i>InOrderTraversal(null)/Print (1)/InOrderTraversal(null)</i>
InOrderTraversal(3)	<i>InOrderTraversal(1)/Print (3)/InOrderTraversal(4)</i>
InOrderTraversal(6)	<i>InOrderTraversal(3)/Print(6)/InOrderTraversal (9)</i>

Console Output: 1, 3, 4, 6, 6, 9, 10

DeleteNode (6, 9)

Stack	Waiting stack
DeleteNode(Node(10), 10)	<i>null</i>
DeleteNode(Node(9), 9)	<i>Node(10).right = DeleteNode(Node(10),10)</i>
DeleteNode (Node(6), 9)	<i>Node(6).right = DeleteNode(Node(9),9)</i>