

Assignment 10

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1. Pre-Order Traversal output: (Root, L, R)

0050, 0010, 0008, 0005, 0009, 0030, 0026, 0031
0150, 0100, 0079, 0126, 0152, 0151, 0180

2. In-Order Traversal output: (L, Root, R)

0005, 0008, 0009, 0010, 0026, 0030, 0031, 0050
0079, 0100, 0126, 0150, 0151, 0152, 0180

3. post order Traversal output: (L, R, Root)

0005, 0009, 0008, 0026, 0031, 0030, 0010, 0079,
0126, 0100, 0151, 0180, 0152, 0150, 0050

inOrderTraverse (null)
inOrderTraverse (10)
inOrderTraverse (null)
inOrderTraverse (null)
inOrderTraverse (6)
inOrderTraverse (9)
inOrderTraverse (null)
inOrderTraverse (null)
inOrderTraverse (4)
inOrderTraverse (null)
inOrderTraverse (null)
inOrderTraverse (1) - 1
inOrderTraverse (3) - 3, right
inOrderTraverse (6)

deleteNode (10, 10)
findSuccessor (9) = 10
deleteNode (9, 9)
deleteNode (6, 9)
Output

③
① ② ④ ⑥