

Assignment 10

1)

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

2) 5, 8, 9, 10, 26, 30, 31, 50, 79, 100, 126, 150, 151, 152, 180.

3)

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

4) next page

4) inOrder traverse (b)

Console

1

3

4

6

6

9

10

69

~~inOrder(null)~~

~~inOrder(null)~~

~~inOrder(10)~~

~~inOrder(null)~~

~~inOrder(null)~~

69

~~inOrder(6)~~

69

inOrder(9)

~~inOrder(null)~~

~~inOrder(null)~~

71

~~inOrder(4)~~

~~inOrder(null)~~

~~inOrder(null)~~

69

~~inOrder(1)~~

69

~~inOrder(3)~~

69

~~inOrder(6)~~

main()

4b) Delete Node (6, 9)

~~deleteNode(10, 10) \Rightarrow null~~
119 ~~deleteNode(9, 10) \Rightarrow null~~
~~findSuccessor(9) \Rightarrow 10~~
113 ~~deleteNode(9, 9) \Rightarrow 9~~
119 deleteNode(6, 9) \Rightarrow 6
main()