Assignment 10

1. Write Pre-Order Traversal output.

2. Write In-Order Traversal output.

3. Write Post-Order Traversal output.

A diagram of a diagram

Description automatically generated

Answers:

1. Pre-Order Traversal: 50, 10, 8, 5, 9, 30, 26, 31, 150, 100, 79, 126, 152, 151, 180
2. In-Order Traversal: 5, 8, 9, 10, 26, 30, 31, 50, 79, 100, 126, 150, 151, 152, 180
3. Post-Order Traversal: 5, 9, 8, 26, 31, 30, 10, 79, 126, 100, 151, 180, 152, 150, 50

A diagram of a diagram

Description automatically generated

1. Draw the runtime stack of the following function of the following BST. inOrderTraversal(6); //root is 6
2. deleteNode(6, 9); (As we discussed in the class we and got approval from professor that we don’t need to work on Delete for BST. So no homework submitted for this.

inOrderTraversal(6);

A table of numbers with green dots

Description automatically generated with medium confidence