1. Draw the BST based on the input 50, 30, 25, 71, 80, 99, 40, 1, 7, 5. Then, list the items in the order of pre-order, in-order and post-order.

Pre-order : 50, 30, 25, 1, 5, 7, 40, 71, 80, 99

**ANSWER : 50, 30, 25, 1, 7, 5, 40, 71, 80, 99**

In-order : 1, 25, 5, 7, 30, 40, 50, 71, 80, 99

**ANSWER : 1, 5, 7, 25, 30, 40, 50, 71, 80, 99**

Post-order : 1, 5, 7, 25, 40, 30, 99, 80, 71, 50

**ANSWER : 5, 7, 1, 25, 40, 30, 99, 80, 71, 50**