Answers – Chris Dworczyk

**52**

**12**

**100**

**150**

**72**

**6**

**25**

**95**

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| --- | --- | --- |
| Insert the value 25  Starting at the root node,  Step 1  25<52, so go LEFT  A LEFT child node exists  So step again  Step 2  25>12 , so go RIGHT  There is no right node,  So create a leaf node with value 25 | Insert the value 6  Starting at the root node,  Step 1  6<52, so go LEFT  A LEFT child node exists  So step again  Step 2  6<12 , so go LEFT  There is no LEFT node,  So create a leaf node with value 6 | Insert the value 95  Starting at the root node,  Step 1  95>52, so go RIGHT  A RIGHT child node exists  So step again  Step 2  95<100 , so go LEFT  A LEFT child node exists  So step again  Step 3  95>72 , so go RIGHT  There is no RIGHT node,  So create a leaf node with value 95 |