Exercise 1

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| Insert the value 80  Starting at the root node,  Step 1  80>26, so go RIGHT  A right child node exists  So step again  Step 2  80>36 , so go RIGHT  There is no right node,  So create a leaf node with value 80  Insert the value 11  Starting at the root node,  Step 1  11<26, so go LEFT  A left child node exists  So step again  Step 2  11<18, so go LEFT  A left child node exists  So step again  Step 3  11>4, so go RIGHT  There is no right node,  So create a leaf node with value 11 | Insert the value 17  Starting at the root node,  Step 1  17<26, so go LEFT  A right child node exists  So step again  Step 2  80>36 , so go RIGHT  There is no right node,  So create a leaf node with value 80  Insert the value 11  Starting at the root node,  Step 1  11<26, so go LEFT  A left child node exists  So step again  Step 2  11<18, so go LEFT  A left child node exists  So step again  Step 3  11>4, so go RIGHT  There is no right node,  So create a leaf node with value 11 |  |