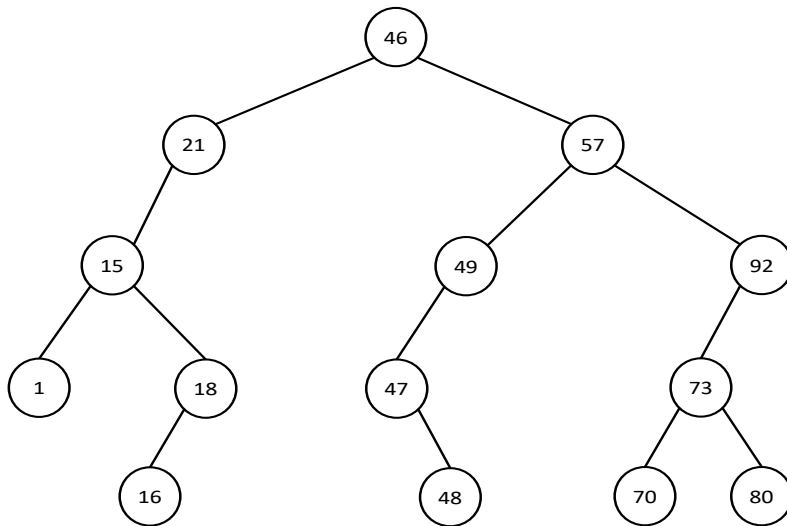


Module IN2002—Data Structures and Algorithms
Exercise Sheet 8

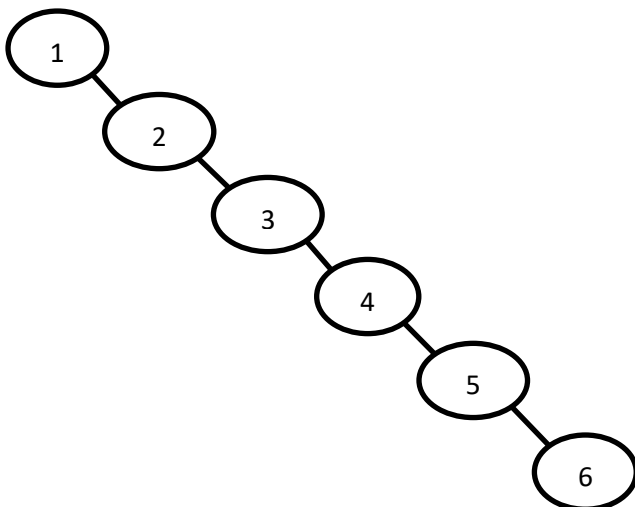
1. Is this an AVL balanced tree? Justify your answer.



2. Create an AVL balanced tree while inserting the values in this order: 1, 10, 100, 3, 50, 15, 23, and 48.

3. Delete the nodes 1 then 23 from the resulting tree above.

4. Show the splay tree that results from accessing the keys: 3 and then 6 on the tree below.



5. Create a B-Tree of order 3 with the keys: 1, 10, 100, 3, 50, 15 (in that order).