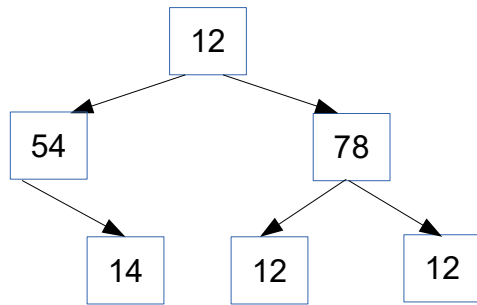


1) Using class `TreeNode`, create the following tree:



**Answer:**

```
leaf1 = TreeNode(14)
leaf2 = TreeNode(21)
leaf3 = TreeNode(80)
left = TreeNode(54, None, leaf1)
right = TreeNode(78, leaf2, leaf3)
root = TreeNode(12, left, right)
```

or

```
root = TreeNode(12,
    TreeNode(54, None, TreeNode(14)),
    TreeNode(78, TreeNode(21), TreeNode(80)))
```

2) Re-write the tree from 1 using array representation (see slide 27)

**Answer:** 12 54 78 None 12 21 80