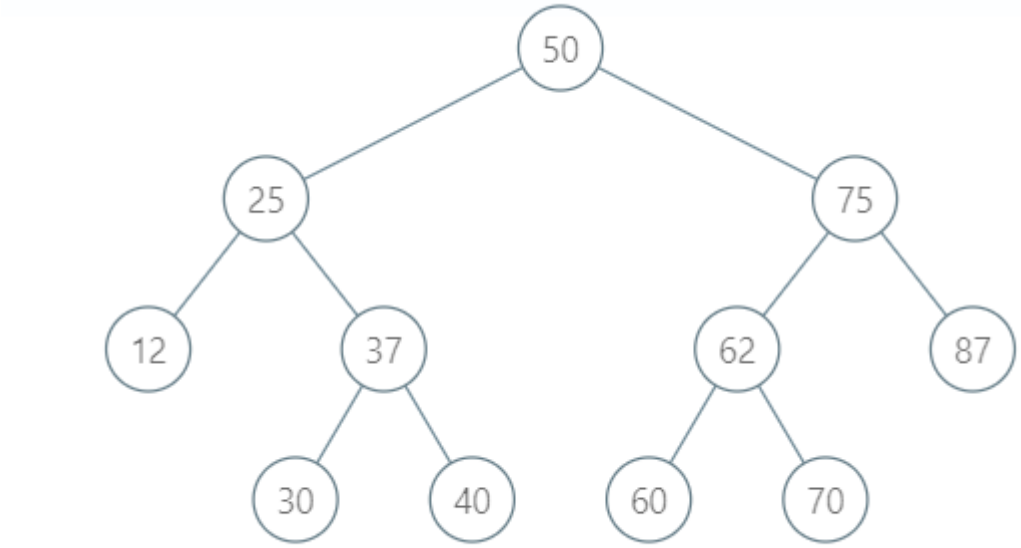
Tree Views



Vertical Level Order Traversal: -**2**: 12

-1: 25 30 60

0: 50 37 62

1: 75 40 70

2: 87

Horizontal Level Order Traversal: **1**: 50

2: 25 75

3: 12 37 62 87

4: 30 40 60 70

Top View: 12 25 50 75 87 (first element of each vertical level)

Bottom View: 12 60 62 70 87 (last elements of each vertical level)

Left View: 50 25 12 30 (first element of each horizontal level)

Right View: 50 75 87 70 (last element of each horizontal level)

- **Top View**

In the above traversals, we did the vertical Order traversal. Now to print the top view we need to get the same treemap as in vertical order traversal. Now across every vertical level print only the first element.

- **Bottom View**

Similarly, for the bottom view just print the last element of the list across each level.

- **Left View**

The left view of the tree could be printed by printing just the first element of each level in the tree. So print the first element when moving to nextlevel i.e. when the primaryQueue becomes empty.

- **Right View**

The right view of the tree could be printed by printing just the last element of each level in the tree. So print the last element when moving to nextlevel i.e. when the primaryQueue becomes empty.