

TREEMAP

(1) Internal working Of TreeMap?

- Internally tree map uses a data structure called RED BLACK TREE / self-balancing binary search tree
- Treemap sorts the key in the natural order (ascending order) , we can also customize sorting order using comparator.
- It does not takes null key .

(2) Some methods of it ?

Ex –

```
package org.example.MAP_2.SORTEDMAP;

import java.util.SortedMap;
import java.util.TreeMap;

public class SortedMap_01 {

    public static void main(String[] args) {
        // passing comparator for custom compare in constructor
        SortedMap<Integer , String> map = new TreeMap<>((a,b)-> b-a );
        map.put(34,"sahil");
        map.put(76,"rahul");
        map.put(54,"meraz");
        map.put(82,"alam");
        map.put(75,"naz");

        System.out.println(map);

        System.out.println(map.firstKey());
        System.out.println(map.lastKey());
        System.out.println(map.headMap(54)); // exclude
        System.out.println(map.tailMap(76));

    }
}
```