

TREESET

(1) Internal working of treeset?

- Internally uses datastructure RED BLACK TREE. (for elements insertion similar to hash map)
- Only contains unique elements.
- Only key it takes, and dummy value.
- It is sorting (natural order by default) but can pass comparator.

Ex-

```
public static void main(String[] args) {
    TreeSet<Integer> set = new TreeSet<>();

    // Adding elements to the TreeSet
    set.add(50);
    set.add(20);
    set.add(40);
    set.add(10);
    set.add(30);

    // Printing the elements (will be sorted)
    System.out.println("TreeSet elements: " + set);

    // Accessing the first and last elements
    System.out.println("First element: " + set.first());
    System.out.println("Last element: " + set.last());

    // Removing an element
    set.remove(20);
    System.out.println("After removing 20: " + set);

    // Checking if an element exists
    System.out.println("Contains 30? " + set.contains(30));
}
```