Comparison of **SET** Interface Method

Hash Set **[1]**	**Tree Set** **[2]**
add(E e) clean() clone() contains(object o) isEmpty() iterator() remove() size()	add(E e) clean() clone() contains(object o) isEmpty() iterator() size() addAll(Collection c)desendingIterator() ceiling(E e) comparator() desendingSet() E floor() E first() E last() E lower() E pollFirst() E pollLast() headSet(E toElement) headSet(E toElement ,boolean inclusive) remove(Object subSet(E fromElement, boolean fromInclusive, E to Element , boolean toInclusive) subSet(E formElement, E toElement) tainSet(e formElement) tailSet(E formElement , boolean inclusive)

Oparation [3]	Hash Set	Tree Set
Order	Random	Sorted
Null Value	Allow	Not Allow
Performance	O(1) ,Faster	log(n) ,Slower
Synchronized	No	No
Thread Safe	No	No
Use	equals()	compareTo()
Backhand	Hash Map	Tree Map
Unique	Yes	Yes

Reference:

[1] https://www.tutorialspoint.com/java/util/java_util_hashset.htm
[2] https://www.tutorialspoint.com/java/util/java_util_treeset.htm
[3] http://javahungry.blogspot.com/2014/03/difference-between-hashset-and-treeset-similarities-and-example.html