TreeSet Class

* TreeSet is an implementation class of NavigableSet.
* Duplicates are not allowd.
* Store elements in some logical order(sorted).
* Heterogeneous object are not allowed

When tried ClassCastException generated

Homogeneous are allowed

* Null values are acceptable for empty TreeSet, for Null empty TreeSet null is not acceptable.

But after java 6 it not used to.

Constructors:-

* TreeSet()

Constructors a new, empty tree set, sorted according to the natural ordering of its elements.

* TreeSet(Comparator c)

Constructor a new, empty TreeSet, sorted according to the specified comparator

* TreeSet(Collection c)

Constructor a new TreeSet containing the elements in the specified collection, sorted according to the natural ordering of it’s elements.

* TreeSet(SortedSet s)

Constructor a new TreeSet containing rhe same elements and using the same ordering as the specified SortedSet

Remember:-

* Default natural sorting order work for
* Homogenous object.
* Comparable object.
* StringBuffer object are not Comparable.
* String class implement Comparable.

Ex:-

TreeSet t=new TreeSet();

t.add(“D”);

t.add(“A”);

t.add(“E”);

t.add(“B);

now it store like Tree, such as,

tree

(3) D

(1) A (4) E

(2) B