For simple strings

```
public class MySetWithCompr {

    public static void main(String a[]){

        TreeSet<String> ts = new TreeSet<String>(new MyComp());
        ts.add("RED");
        ts.add("ORANGE");
        ts.add("BLUE");
        ts.add("GREEN");
        System.out.println(ts);
    }
}

class MyComp implements Comparator<String>{

    @Override
    public int compare(String str1, String str2) {
        return str1.compareTo(str2);
    }
}
```

Output:

[BLUE, GREEN, ORANGE, RED]

For user defined types

```
import java.util.*;
class Book implements Comparable<Book>{
    int id;
    String name,author,publisher;
    int quantity;
public Book(int id, String name, String author, String publisher, int quantity) {
      this.id = id;
     this.name = name;
      this.author = author;
      this.publisher = publisher;
     this.quantity = quantity;
    }
    public int compareTo(Book b) {
            if(id>b.id){
                    return 1;
           }else if(id<b.id){
                    return -1;
            }else{
                   return 0;
            }
    }
}
```

```
public class TreeSetExample {

    public static void main(String[] args) {

                Set<Book> set=new TreeSet<Book>();

            //Creating Books

        Book b1=new Book(121,"Let us C","Yashwant Kanetkar","BPB",8);

       Book b2=new Book(233,"Operating System","Galvin","Wiley",6);


        Book b3=new Book(101,"Data Communications & Networking","Forouzan
","Mc Graw Hill",4);

         //Adding Books to TreeSet

       set.add(b1);

       set.add(b2);

         set.add(b3);

         //Traversing TreeSet

         for(Book b:set){

        System.out.println(b.id+" "+b.name+" "

                    +b.author+" "+b.publisher+" "+b.quantity);

       }

     }

}
```

```
101
Data Communications & Networking Forouzan Mc Graw Hill
4
```

121 Let us C Yashwant Kanetkar BPB 8

233 Operating System Galvin Wiley 6