Objective:

This lab's objective is to gain experience in using object references to do linking.

The lab assignment:

In this lab you are to implement a sorted list with the doubly linked technique. You are required to use the following DLNode class.

```
public class DLNode {
        double data;
        DLNode Prev= null, Next=null;
}
```

1. Download instructor's SortedList.java, DLNode.class and lab04.class.
2. Complete program SortedList.java by implementing the following methods.

    a. insert(double n) – Insert double precision number n into the sorted list.
    b. listAscending() – List all numbers of the list in ascending order.
    c. listDescending() – List all numbers of the list in descending order.

3. Compile SortedList.java and run lab04.class.
4. Try the instructor's sample program lab04.class in directory ~wang/sample20/lab04 for sample output.