## Exercise 2a. (Container implementation is independent of the itemtype to be stored, 1p)

Modify your class from the exercise 1 in such a way that it works with the given simpleList.java program (e.g. it must implement Comparable<Time> interface). Implement a constructor with initial values as parameters, e.g. Time (int hour, int min).

At the lectures, we studied the simple list implementation using generics. The application was using list to store characters. Now we use the same list (available as a simpleList.java file from Tuubi) to store Time values.

simpleList.java contains also the source code for a small application to test the Time valued list. Test first your Time class with the given test main method. Then implement a new operation function for the simpleList container, bool insert to begin (T item) which adds a new item to the beginning of the list container. After that change the line list.insert to end(item) to list.insert to begin(item) in order to test your new function.

Remark. Use your time as a component. This means that you should have the separate Time.java file.

## Extra exercise 2b. (Ordered list, 0.25p)

In this exercise we add an another operation function, list.insert(item), to the list. This operation function insert an item to the list in such a way that the list is always ordered (smallest item first). Verify that the list is always in order. Do not use java.util.Arrays.sort() in your implementation.