

4.3 Class OrderedList

Description

In this section, we introduce class `Orderedlist`, which is used in some of the examples in subsequent sections of this book. This section is intended as a *reference section* and may be skipped during a first reading.

Class `OrderedList` has the same attributes as class `Set`:

```
class OrderedList(class ElmType:< Object):  
    insert(e: ref ElmType): :::  
    has(e: ref ElmType): :::  
    remove(e: ref ElmType): :::  
    :::
```

A set is characterised by only having one occurrence of a given element. A `Set` object does thus only have at most one occurrence of a given element. An `OrderedList` on the other hand may have several occurrences of the same element. The elements are inserted in the order they are inserted into an `OrderedList` object.