

# Lister, Iterators & operators

Kursus 7

# Opgave 2: Sort by type, length and weight

- List is an interface
- Sort with `Collections.sort`
  - Comparators
- Iterator vs forloop
  - `.remove()`

```
// C: Sort by weight
Collections.sort(trains, new SortByWeight());
for (Train train : trains) {
    System.out.println(train.weight);
}
// Iterator
Iterator<Train> it = trains.iterator();
while (it.hasNext()) {
    Train train = it.next();
    System.out.println(train.weight);
}
```

```
public class SortByWeight implements Comparator<Train> {
    public int compare(T1 o1, T2 o2) {
        return Integer.compare(o1.weight, o2.weight);
    }
}
```