

Alf 1 - Aufgabenblatt 4 - Seite 1 von 2

```
import java.util.Collections;
```

```
final class Galaxy {
```

```
...
```

```
printAllElements(elements);
```

```
Collections.sort(elements, new MyComparator());
```

```
printAllElements(elements);
```

```
}
```

```
class GalaxyElement
```

```
implements Comparable<GalaxyElement> {
```

```
...
```

```
@Override
```

```
public int compareTo(GalaxyElement other) {
```

```
    if (this.getSize() > other.getSize())
```

```
        return 1;
```

```
    else if (this.getSize() == other.getSize())
```

```
        return 0;
```

```
    else
```

```
        return -1;
```

```
}
```

```
}
```

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```
import java.util.Comparator
```

```
class MyComparator.
```

```
implements Comparator<GalaxyElements> {
```

```
    @Override
```

```
    public int compare(GalaxyElement o1, GalaxyElement o2) {
```

```
        int sizeComp = o1.compareTo(o2);
```

```
        if (sizeComp != 0)
```

```
            return sizeComp;
```

```
        String n1 = o1.getName();
```

```
        String n2 = o2.getName();
```

```
        return n1.compareTo(n2);
```

```
    }
```

```
}
```