

Hausaufgabe 1

Exercise 3

How are the instances stored in memory?

Both instances are stored in the heap because both are created with the keyword 'new'.

How does overriding work technically?

Normally when a class extends another class all methods of the super class are forwarded to the sub class. In the v-table would be an entry from the sub class showing on the implementation of the methods of the super class. Overriding a method means that the method doesn't show to the entry of the super class anymore but to the own implementation of the sub class.

Draw a memory layout

Memory Layout

```
Module module = new Module("Dummy", 6);
Lecture oose = new Lecture("OOSE", 6, 18);
```

