# Programming Tutorial (Advanced)
## Bauhaus-Universität Weimar

**Task 1**

There exist several different types of bank accounts which can be categorized as followed:

|  | Disposition Credit | Interest | Monthly Limit |
|---|:---:|:---:|:---:|
| Standard Account | ✓ | ✗ | ✗ |
| Youth Account | ✗ | ✗ | ✓ |
| Interest Account | ✗ | ✓ | ✗ |

Every bank account consist of:

- an owner

- an account number

- a balance

1. Create classes for the different bank accounts mentioned above. Think of good attributes, methods and don't forget the constructor. Use inheritance to model a good class structure.

2. Implement methods for depositing and withdrawing money. Keep in mind the different restrictions given by the nature of the different account types (limit, disposition credit, . . . )

3. At the end of every month the interest is computed and added to the balance. Write a method that computes the interest. Think about where to integrate this method best in your class structure.

4. Have a look at the given `Driver.java`. There is already a main method included. In the end, your code should work with this class. You are not allowed to change this file.