Abstract Classes

Exercise 1

- Solve the problem in the file Lab11_Exercise1.pdf
- The first constructor in the class BankAccount doesn't have the parameter interestRate
- In the class CurrentAccount, the last parameter of the first constructor, transCost, is of type double
- To test the method endOfMonth() it is necessary to set the computer clock to the last day of the month

endOfMonth() in the class SavingsAcoount

- import java.util.Calendar;
- public void endOfMonth() {
- 　　　Calendar cal = Calendar.getInstance();
- 　　　int currentMonth = cal.get(Calendar.MONTH);
- 　　　cal.add(Calendar.DAY_OF_YEAR, 1);
- 　　　int nextDayMonth = cal.get(Calendar.MONTH);
- 　　　if (currentMonth != nextDayMonth) {
- 　　　　　　applyInterest();
- 　　　　　　}
- 　　}

endOfMonth() in the class CurrentAccount

- import java.util.Calendar;
- public void endOfMonth() {
-       Calendar cal = Calendar.getInstance();
-       int currentMonth = cal.get(Calendar.MONTH);
-       cal.add(Calendar.DAY_OF_YEAR, 1);
-       int nextDayMonth = cal.get(Calendar.MONTH);
-       if (currentMonth != nextDayMonth) {
-            dischargeExpenses();
-            transactionNo = 0;
-       }
-   }

Exercise 2

- Solve the problem in the file Lab11_Exercise2.pdf
- Introduce directly the values for VAT in each class
- In the class Printer:
- public static int VAT = 15;
- In the class CopyMachine:
- public static int VAT = 20;
- In the class Computer:
- public static int VAT = 10;