

Lab 10

You are building an app for a bank, for which you need to implement the following classes:

Client

String name
String address
String email

DebitBankAccount

Client client
double balance
String accountNumber
String cardNumber
double withdrawalLimit

SavingsBankAccount

Client client
double balance
String accountNumber
int term

You need to define a list with at least 10 bank accounts and implement the following requirements using Streams API:

1. Create a method that receives the list of bank accounts and a client email as parameters. It returns the number of bank accounts belonging to that client email.
2. Create a method that receives the list of bank accounts. It prints in the console the name and email address of each unique client.
3. Create a method that receives the list of bank accounts. It prints in the console the details of the savings bank accounts, in the order of their balance, from the highest to the lowest balance.
4. Create a method that receives the list of bank accounts as parameter. It returns the number of bank accounts held by each client.
5. Create a method that receives the list of bank accounts. It prints in the console the details of each unique client, ordered by name alphabetically.