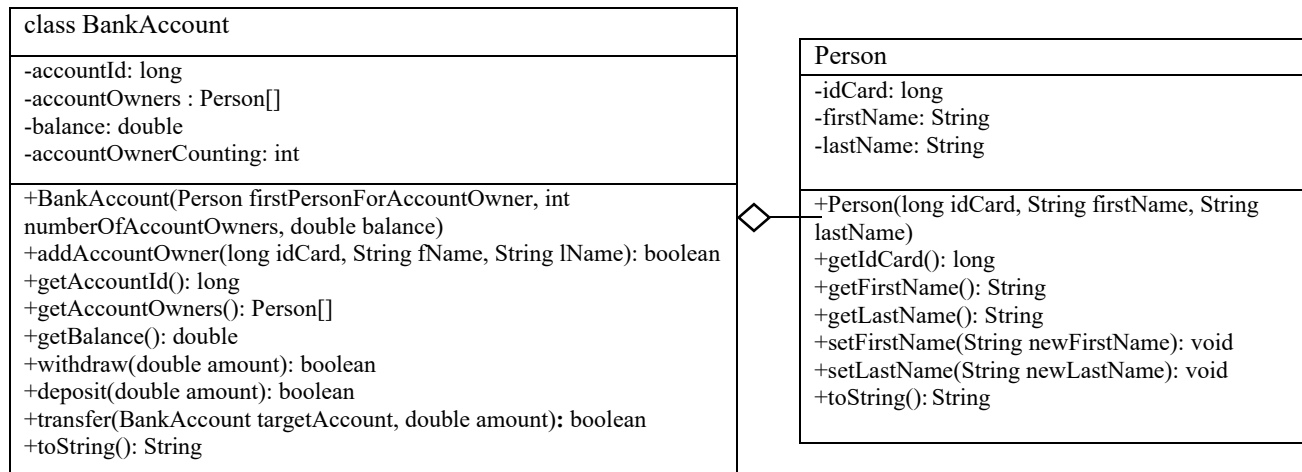
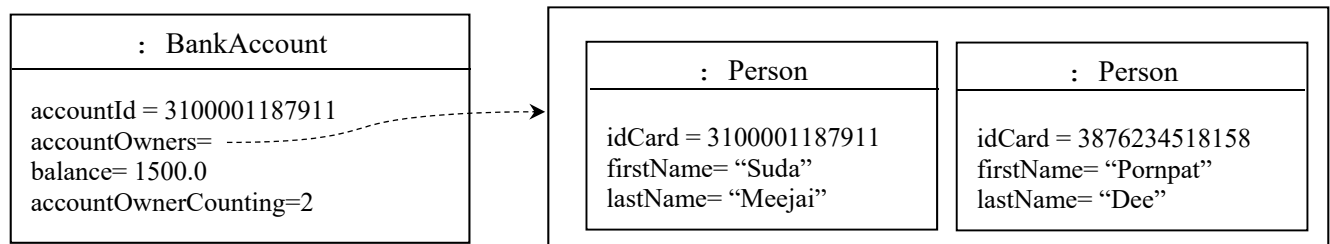


1. Given the following class diagram and object diagram, follow the instructions below.

Class Diagram



Object Diagram



Write both `BankAccount` and `Person` java classes, according to the above class diagram and the following requirements.

- The `BankAccount(Person firstPersonForAccountOwner, int numberOfAccountOwners, double balance)` constructor accepts a person, a number of account owners, and balance parameters to set up the first account owner, the number of account owners, and balance of a new bank account respectively. The id card of the first person is set to an account id. Note that the maximum number of account owners for one bank account is not more than five persons.
- The `addAccountOwner(long idCard, String newFirstName, String newLastName)` method adds for the second bank account owner onwards. The bank account owner added is not more than the number of account specified in the `BankAccount` constructor.
- The `withdraw(double amount)` method deducts a specified withdraw amount from the current balance when the current balance is greater than or equal to a specified withdraw amount and then return *true*. Otherwise, if the withdraw amount is less than or equals to zero or the withdraw amount is greater than the balance then return *false*.
- The `deposit(double amount)` method sums a specified deposit amount with the current balance and then return *true*. If the deposit amount is less than or equals to zero then return *false*.
- The `transfer(BankAccount targetAccount, double amount)` method deducts a specified money from a sender account to a target account when the sender balance is greater than or equal to a specified transfer amount and then return *true*. Otherwise, if the transfer amount is less than or equal to zero or the transfer amount is greater than the sender balance then return *false*.
- The `toString()` method return string with the bank account information : account Id, all account owners and balance.
- Implement all attributes and methods for `Person` class.