

UML Diagram

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Bank Account

- balance: double
- owner: String
- account number: String
- number of accounts: int

+ BankAccount();
+ BankAccount(name: String, amount: Double);
+ BankAccount(oldAccount: BankAccount, amount: double);
+ deposit(amount: double): void
+ getBalance(): double
+ getOwner(): String
+ getAccountNumber(): String
+ setBalance(amount: double): void
+ setAccountNumber(newAccountNumber: String): void

Savings Account

- rate: double
- savingNumber: int
- accountNumber: String

+ SavingsAccount(name: String, amount: double)
+ SavingsAccount(oldAccount: SavingsAccount, amount: double)
+ postInterest(): void
+ getAccountNumber(): String

Checking Account

- fee: double

+ checkingAccount(name: String, amount: double):
+ withdraw(amount: double):
boolean