```
| Bank | |
| +accounts: ArrayList<Account> | |
| +accountNumbers: int | |
| +openAccount(String, String, String, String, String): Account|
| +openAccount(String, String, String, String, String, double): Account|
| +getAccount(int): Account|
| +printAccounts(int): Account|
| +findAccount(int): Account|
| +deposit(int, double): boolean|
| +withdraw(int, double): boolean|
| +closeAccount(int): boolean|
| +getBalance(int): double|
```

```
Account
   accountNumber : int
   type : String
   accountOpen : boolean
   balance : double
   accountHolder : Person
   overdraftLimit : Double
   firstName : String
   lastName : String
   emailAddress : String
| - SSN : String
+ Account(accountNumber: int,
    type: String,
    accountHolder: Person,
    overdraftLimit: Double)
+ Account(accountNumber: int,
    type: String,
     accountHolder: Person)
+ withdraw(amount: double):
    boolean
+ deposit(amount: double):
    boolean
+ isOpen(): boolean
+ closeAccount(): void
+ getBalance(): double
+ toString(): String
+ getAccountNumber(): int
+ getType(): String
+ getFirstName(): String
+ getLastName(): String
+ getSSN(): String
+ getAccountStatus(): String
 + getTransactions(): Transaction[]|
```