

## Relational Schema made

**Branch:** Branch\_name, Branch\_city, Assets

Branch\_name is the primary key.

**Customer:** Cust\_ssn, Cust\_name, Cust\_street, Cust\_city, Type, Emp\_ssn.

Cust\_ssn is the primary key.

Emp\_ssn is the foreign key because of the relationship Cust\_banker 1n type.

Emp\_ssn references Emp\_ssn of the Employee relation.

**Employee:** Emp\_ssn, Emp\_name, Emp\_telephone, Startdate, Emp\_manag\_ssn.

Emp\_ssn is the Primary key.

Emp\_manag\_ssn is the foreign key because of the recursive relationship working\_for 1n type.

Emp\_manag\_sn references the Emp\_ssn of the same Employee relation.

**Payment:** Loan\_no, Pay\_no, Pay\_date, Pay\_amount.

Loan\_no is the primary key because of the owner entity.

Pay\_no is the primary key because it is a partial key.

Loan\_no is the foreign key because of the relationship Payment\_loan 1n type.

Loan\_no references Loan\_no of the Loan relation.

**Loan:** Loan\_no, Loan\_amount, Branch\_name.

Loan\_no is the primary key.

Branch\_name is the foreign key because of the relationship Branch\_loan 1n type.

Branch\_name references Branch\_name of the Branch relation.

**Depositor:** Account\_no, Cust\_ssn, Date\_accessed.

Account\_no and Cust\_ssn is the primary key.

Account\_no and Cust\_ssn are foreign keys because of the relationship Depositor mn type.

Account\_no references Account\_no of the Account relation.

Cust\_ssn references Cust\_ssn of the Customer relation.

**Borrower:** Loan\_no, Cust\_ssn.

Loan\_no and Cust\_ssn is the primary key.

Loan\_no and Cust\_ssn are foreign keys because of the relationship Borrower mn type.

Loan\_no references Loan\_no of the Loan relation.

Cust\_ssn references Cust\_ssn of the Customer relation.

**Depname:** Emp\_ssn, Emp\_depname.

Emp\_ssn and Emp\_depname are the primary keys

This relation is made because Emp\_depname is a multivalued attribute.

Emp\_ssn is the foreign key.

Emp\_ssn references Emp\_ssn of the Employee relation.

**Account:** Account\_no, Balance, Deposit, withdrawal.

Account\_no is the Primary Key.

This relation is made using multiple relations superclass and subclass.

**Savings\_acc:** Account\_no, Interest\_rate.

Account\_no is the primary key.

This relation is made using multiple relations superclass and subclass.

Account\_no is the foreign key.

Account\_no references Account\_no of the Account relation.

**Checking\_acc:** Account\_no, Overdraft.

Account\_no is the primary key.

This relation is made using multiple relations superclass and subclass.

Account\_no is the foreign key.

Account\_no references Account\_no of the Account relation.