CASE STUDY

Proposed Database System for Security Bank

Presented to

Asia Pacific College

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by:

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Table of Contents

Introduction

Security Bank Corporation is one of the Philippines' leading universal banks serving retail, commercial, corporate and institutional clients. Security Bank's major businesses include retail, commercial and corporate banking, and financial markets. It offers a wide range of services including financing, leasing, foreign exchange, stock brokerage, investment banking and asset management through its subsidiaries.

Our project is about knowing the procedure of the company and their process on why they became a successful company., By making an entity relationship diagram and making a database based on their procedure or process.

We are making these because we want to know and experience on how they made the procedure of the company and how they came up with this idea.

Objectives of the study

General:

To increased participation in investment strategies, securing clients through saving and loan schemes, development of private sectors and cutting costs for financial services.

It is to offer diverse services ranging from insurance to mutual funds, from stock broking to residential finance, from merchant banking to portfolio management under a single summit brand, they gradually metamorphosed from being company organizations that focused primarily on cash transactions to a company linked to financial transaction data. Thus, with this transition.

Specific:

- To secure the financial interest of companies that have received direct investment

- To diversify their range of services and have larger influence on the financial markets

- To develop private sector and ensure its stable run and economic growth.

- To reduce the costs of their financial services by enlargement, providing low interest loans to economies.

Scope and Limitation of the study

This study will primarily focus on developing a database system which is for the IT Operations of Security Bank Luzon franchise in the Philippines. Handling all production database will be the main priority of this proposed database system for it is a major aspect in banking.

This system will let employees' monitor and maintain data of every customer which will reduce the amount of lost data in the future.

The proposed database system will be on its maximum performance depending on the needs of the company, but it will be an addition to the expansion of the company. Hence, the system will be updated immediately before handling it out to the company

Business Rule (Two Way):

1. A CLIENT proceeds to the BANK; the BANK is proceeded by the CLIENT.

CLIENT			BANK	
PK	CLI_ID		PK	BANK_ID
	CLI_NAME	proceeds (1,1) (1,1)		BANK_NAME
	CLI_ADDRESS			BANK_ADRESS
	CLI_DESC		FK	CLI_ID
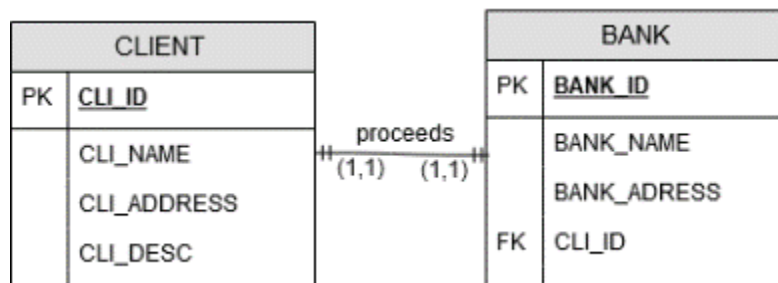
2. A CLIENT fills up the SLIP; the SLIP is filled up by a CLIENT.

CLIENT	
PK	**CLI_ID**
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

fills
(1,1)   (1,1)

SLIP	
PK	**SLIP_CODE**
	SLIP_SIZE
	SLIP_DATE
FK	CLI_ID
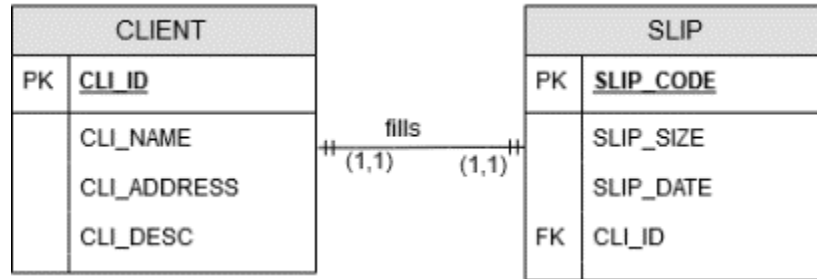
3. The CLIENT proceeds to the TELLER; the TELLER is proceeded by a CLIENT.

CLIENT	
PK	**CLI_ID**
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

proceeds
(1,1)   (1,1)

TELLER	
PK	**TELL_ID**
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID
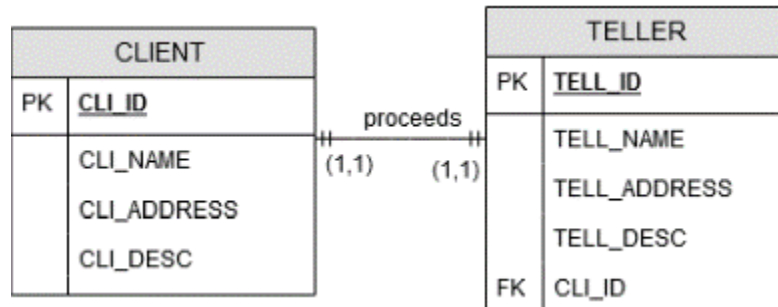
4. A CLIENT transacts by PAYMENT; the PAYMENT is transacted by a CLIENT.

CLIENT	
PK	**CLI_ID**
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

transacts
(1,1)   (1,1)

PAYMENT	
PK	**PAY_CODE**
	PAY_TYPE
	PAY_ADRESS
FK	CLI_ID
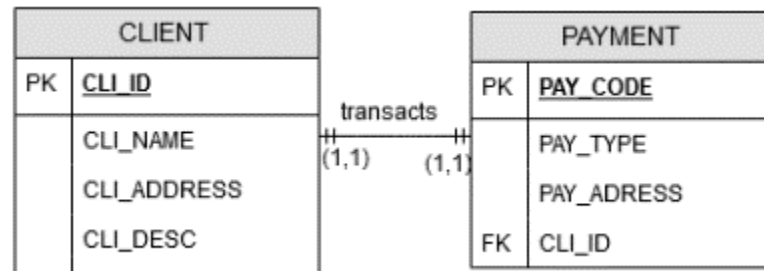
5. The TELLER receives PAYMENT; the PAYMENT is received by the TELLER.

TELLER	
PK	**TELL_ID**
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

receives
(1,1)   (1,1)

PAYMENT	
PK	**PAY_CODE**
	PAY_TYPE
	PAY_ADRESS
FK	TELL_ID
FK	CLI_ID
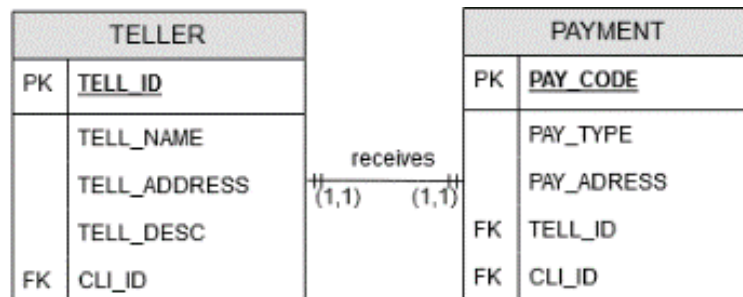
6. The TELLER makes DEPOSIT; the DEPOSIT is made by the TELLER.

	TELLER			DEPOSIT
PK	TELL_ID		PK	DEP_ID
	TELL_NAME			DEP_AMT
	TELL_ADDRESS	makes		DEP_DATE
	TELL_DESC	(1,1) (1,1)		DEP_TIME
FK	CLI_ID		FK	TELL_ID
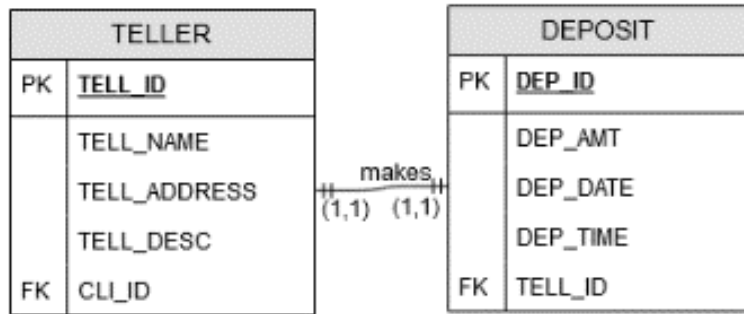
7. The ACCOUNT receives PAYMENT; the PAYMENT is received by the ACCOUNT.

	PAYMENT			ACCOUNT
PK	PAY_CODE		PK	ACC_ID
	PAY_TYPE			ACC_NAME
	PAY_ADRESS	receives		ACC_DESC
		(1,1) (1,1)	FK	PAY_CODE
FK	TELL_ID			
FK	CLI_ID		FK	TELL_ID
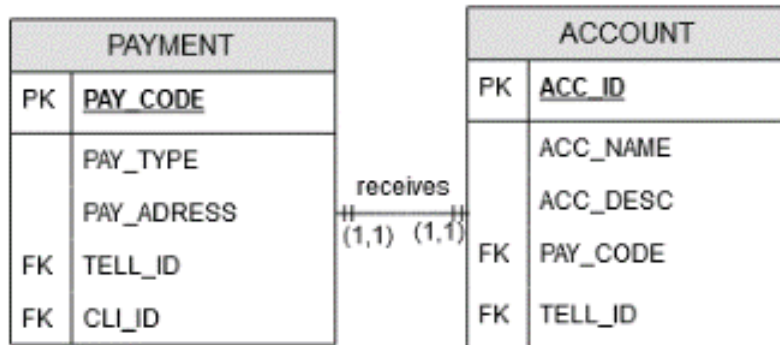
8. A CLIENT writes on the SLIP; the SLIP is written by a CLIENT.

	CLIENT			SLIP
PK	CLI_ID		PK	SLIP_CODE
	CLI_NAME			SLIP_SIZE
	CLI_ADDRESS	writes		SLIP_DATE
	CLI_DESC	(1,1) (1,1)	FK	CLI_ID

4
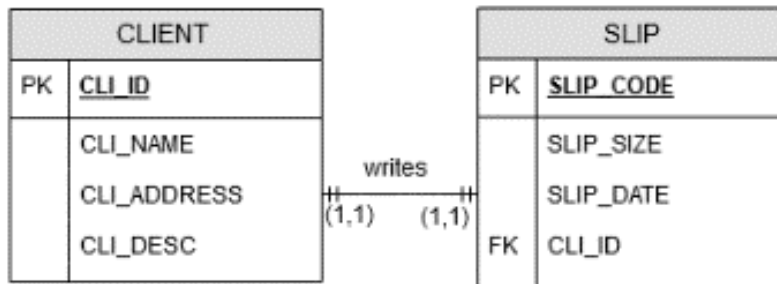
9. A CLIENT transacts using ACCOUNT; the ACCOUNT is being transacted by A CLIENT.

CLIENT	
PK	CLI_ID
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

transacts
(1,1)   (1,1)

ACCOUNT	
PK	ACC_ID
	ACC_NAME
	ACC_DESC
FK	PAY_CODE
FK	TELL_ID
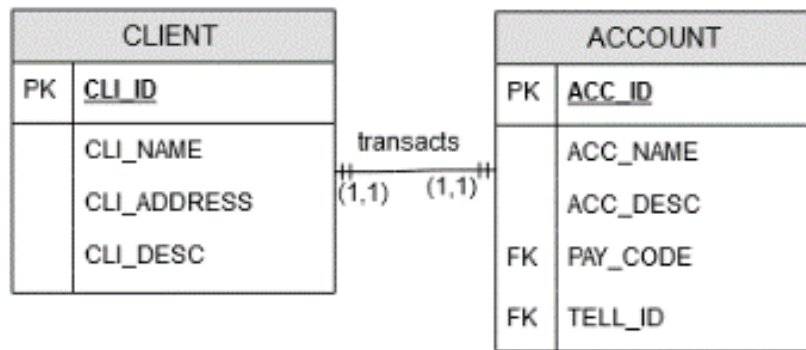
10. The TELLER checks the ACCOUNT; the ACCOUNT is checked by the TELLER.

TELLER	
PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

checks
(1,1)   (1,1)

ACCOUNT	
PK	ACC_ID
	ACC_NAME
	ACC_DESC
FK	PAY_CODE
FK	TELL_ID
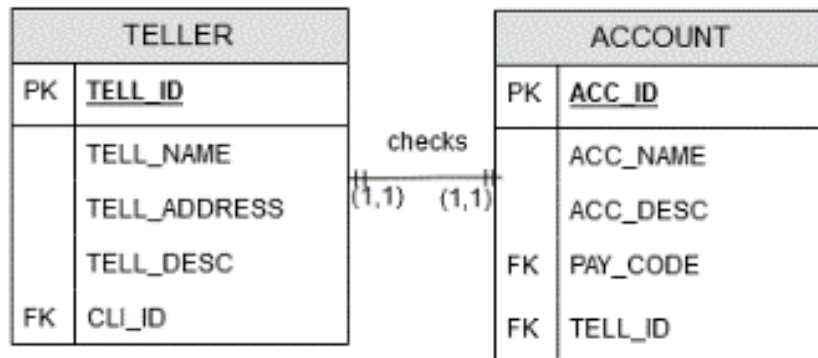
11. The TELLER makes WITHDRAWAL; the WITHDRAWAL is made by the TELLER.

TELLER	
PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

makes
(1,1)   (1,1)

WITHDRAWAL	
PK	WITH_ID
	WITH_AMT
	WITH_DATE
	WITH_TIME
FK	TELL_ID
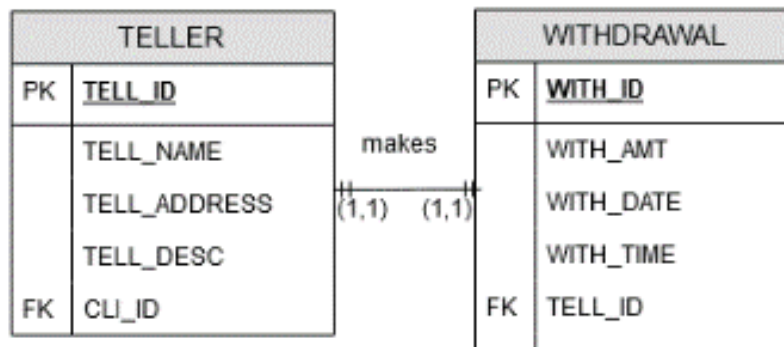
12. The TELLER gives PAYMENT; the PAYMENT was given by the TELLER.

TELLER	
PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

gives
(1,1)   (1,1)

PAYMENT	
PK	PAY_CODE
	PAY_TYPE
	PAY_ADRESS
FK	TELL_ID
FK	CLI_ID
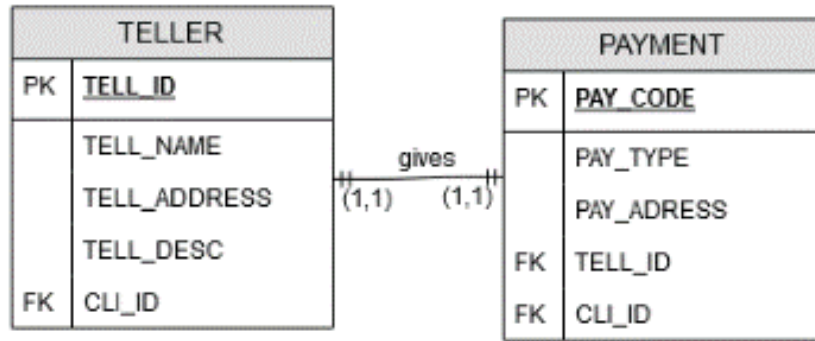
13. A CLIENT takes the PAYMENT; the PAYMENT was taken by A CLIENT.

CLIENT	
PK	CLI_ID
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

takes
(1,1)   (1,1)

PAYMENT	
PK	PAY_CODE
	PAY_TYPE
	PAY_ADRESS
FK	TELL_ID
FK	CLI_ID
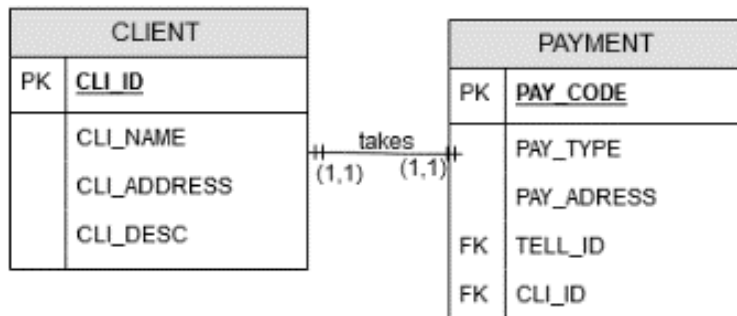
14. A CLIENT decides to LOAN; the LOAN is decided by a CLIENT.

CLIENT	
PK	CLI_ID
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

decides
(1,1)   (1,3)

LOAN	
PK	LOAN_ID
	LOAN_AMT
	LOAN_DATE
	LOAN_TYPE
FK	CLI_ID

d

LOAN_TYPE

CAR	
PK	LOAN_ID
	CAR_COLOR
	CAR_MODEL
	CAR_PLATE

HOME	
PK	LOAN_ID
	HOME_ADDRESS
	HOME_COLOR
	HOME_BUILDING

PERSONAL	
PK	LOAN_ID
	PERSONAL_ADDRESS
	PERSONAL_NAME
	PERSONAL_RATINGS
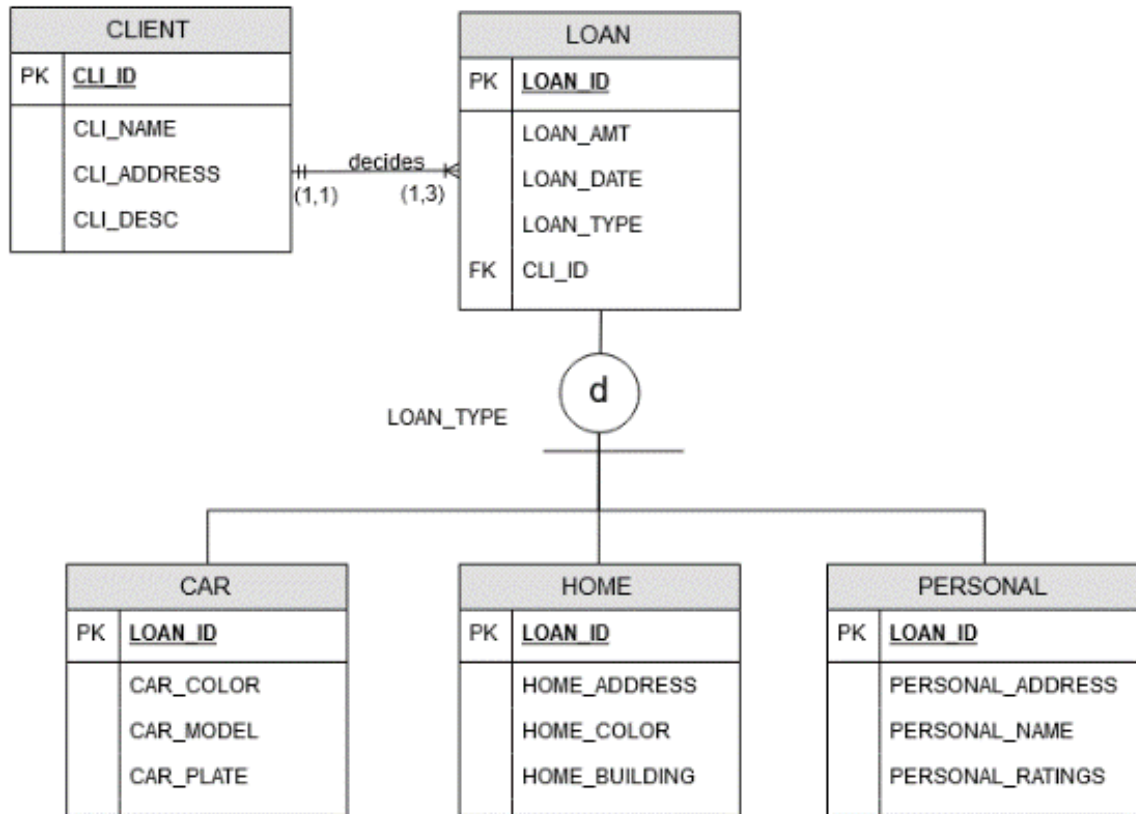
15. The TELLER check eligibility of the ACCOUNT; the ACCOUNT is checked by the TELLER.

TELLER	
PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

checks
(1,1)   (1,1)

ACCOUNT	
PK	ACC_ID
	ACC_NAME
	ACC_DESC
FK	PAY_CODE
FK	TELL_ID
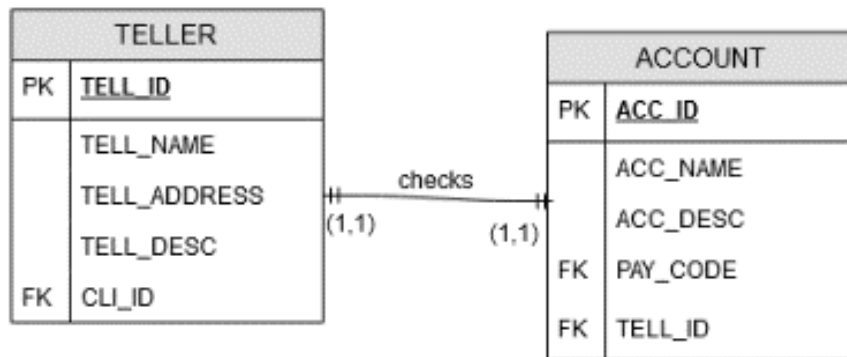
16. The TELLER gives the SLIP; the SLIP was given by the TELLER.

TELLER		
PK	TELL_ID	
	TELL_NAME	
	TELL_ADDRESS	
	TELL_DESC	
FK	CLI_ID	

gives
(1,1)   (1,1)

SLIP		
PK	SLIP_CODE	
	SLIP_SIZE	
	SLIP_DATE	
FK	TELL_ID	
FK	CLI_ID	
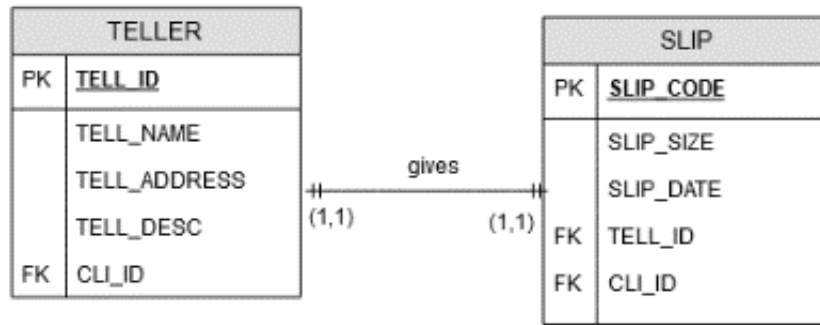
17. A CLIENT takes the SLIP; the SLIP is taken by a CLIENT.

CLIENT		
PK	CLI_ID	
	CLI_NAME	
	CLI_ADDRESS	
	CLI_DESC	

takes
(1,1)   (1,1)

SLIP		
PK	SLIP_CODE	
	SLIP_SIZE	
	SLIP_DATE	
FK	TELL_ID	
FK	CLI_ID	
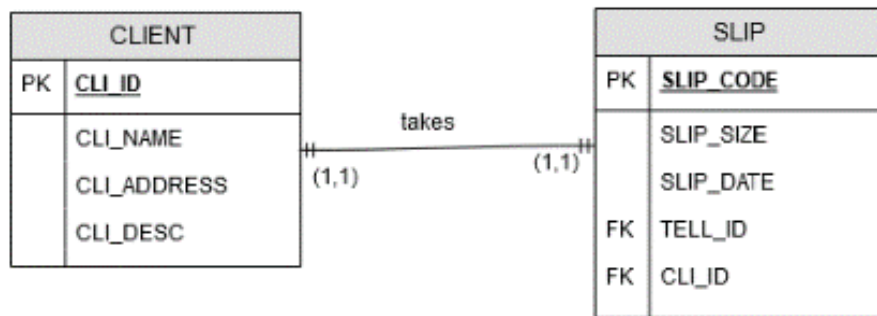
18. A CLIENT answers the SLIP; the SLIP is answered by a CLIENT.

CLIENT		
PK	CLI_ID	
	CLI_NAME	
	CLI_ADDRESS	
	CLI_DESC	

answers
(1,1)   (1,1)

SLIP		
PK	SLIP_CODE	
	SLIP_SIZE	
	SLIP_DATE	
FK	TELL_ID	
FK	CLI_ID	

8
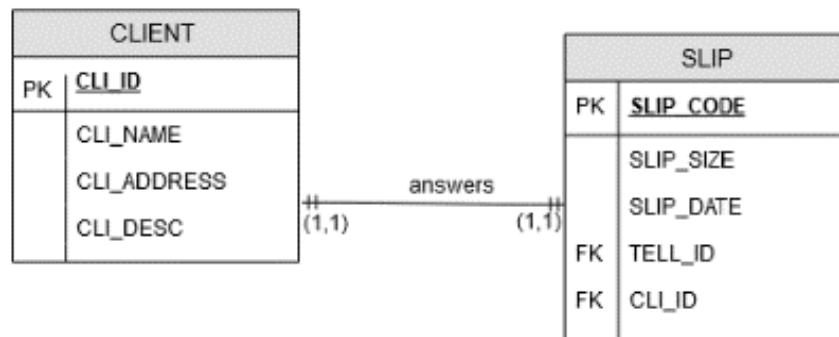
19. A CLIENT lends the SLIP; the SLIP was lent by a CLIENT.

CLIENT

PK	CLI_ID
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

lends
(1,1)   (1,1)

SLIP

PK	SLIP_CODE
	SLIP_SIZE
	SLIP_DATE
FK	TELL_ID
FK	CLI_ID
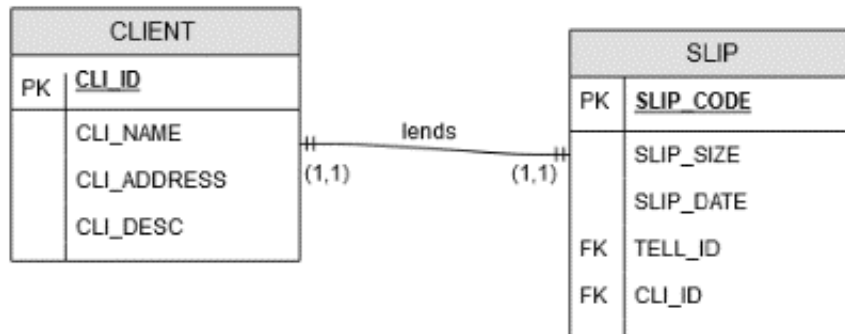
20. The TELLER takes the SLIP; the SLIP is taken by the TELLER.

TELLER

PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

takes
(1,1)   (1,1)

SLIP

PK	SLIP_CODE
	SLIP_SIZE
	SLIP_DATE
FK	TELL_ID
FK	CLI_ID
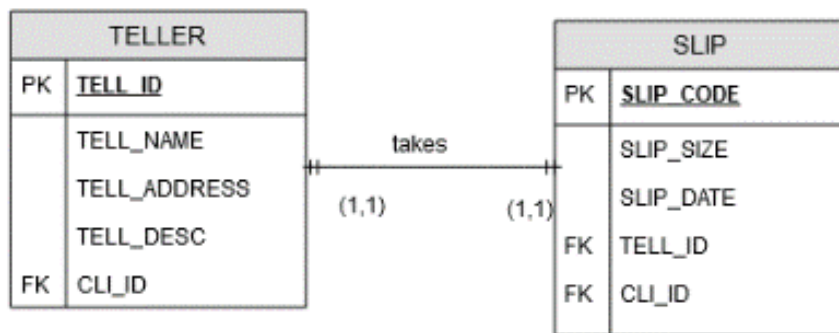
21. The TELLER verifies the SLIP; the SLIP is verified by the TELLER.

TELLER

PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

verifies
(1,1)   (1,1)

SLIP

PK	SLIP_CODE
	SLIP_SIZE
	SLIP_DATE
FK	TELL_ID
FK	CLI_ID
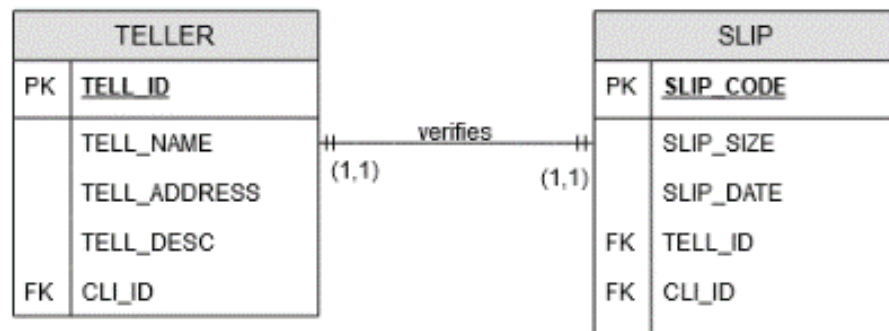
22. The TELLER gives PAYMENT; the PAYMENT is given by the TELLER.

TELLER	
PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

gives

(1,1)   (1,1)

PAYMENT	
PK	PAY_CODE
	PAY_TYPE
	PAY_ADRESS
FK	TELL_ID
FK	CLI_ID
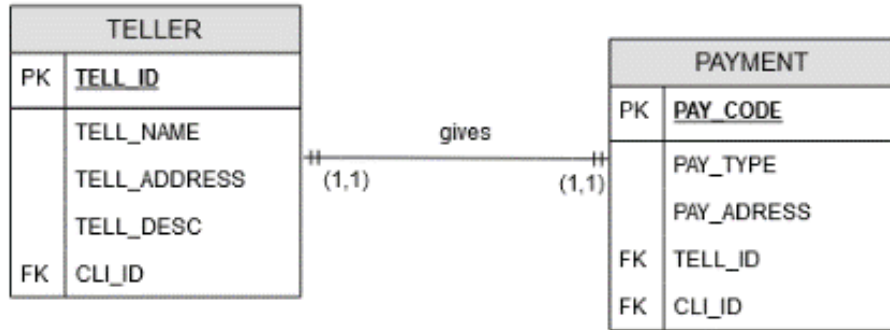
23. A CLIENT receives the PAYMENT; the PAYMENT is received by a CLIENT.

CLIENT	
PK	CLI_ID
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

receives

(1,1)   (1,1)

PAYMENT	
PK	PAY_CODE
	PAY_TYPE
	PAY_ADRESS
FK	CLI_ID
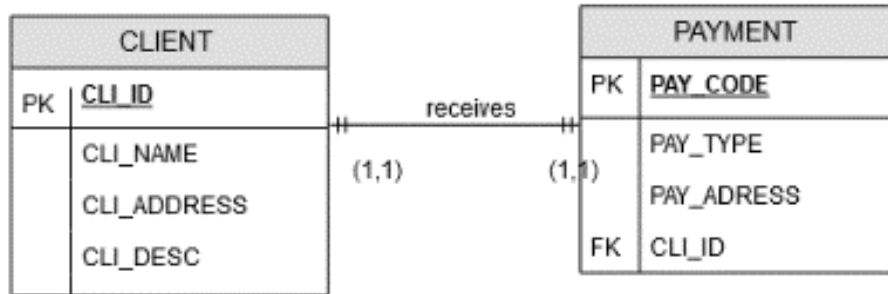
24. A CLIENT considers to do INVESTMENT; the INVESTMENT is considered by a CLIENT

CLIENT

PK	CLI_ID
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

considers
(1,1)   (1,3)

INVESTMENT

PK	INV_ID
	INV_AMT
	INV_TYPE
	INV_DATE
FK	CLI_ID
FK	TELL_ID

d   INV_TYPE

UTIF

PK	INV_ID
	UTIF_AMT
	UTIF_RATE
	UTIF_DESC

FIXED INCOME SEC

PK	INV_ID
	FIXED_DATE
	FIXED_PAYMENT
	FIXED_RATE

SB CAPITAL MARKET

PK	INV_ID
	SB_INCOME
	SB_RATE
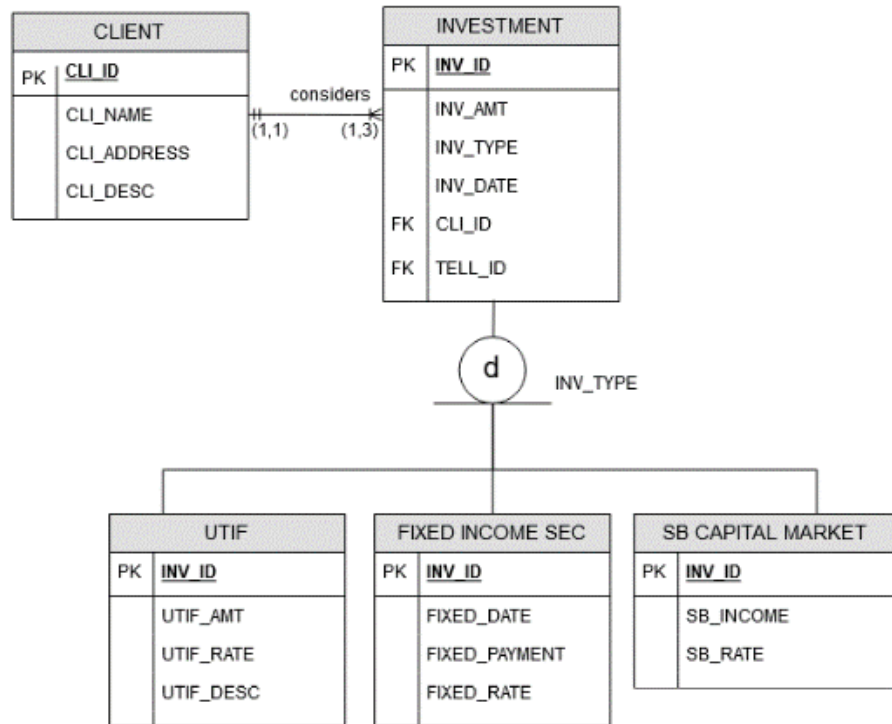
25. The TELLER shows the INVESTMENT; the INVESTMENT is shown by the TELLER.

TELLER

PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

shows
(1,1)   (1,3)

INVESTMENT

PK	INV_ID
	INV_AMT
	INV_TYPE
	INV_DATE
FK	CLI_ID
FK	TELL_ID

d   INV_TYPE

UTIF

PK	INV_ID
	UTIF_AMT
	UTIF_RATE
	UTIF_DESC

FIXED INCOME SEC

PK	INV_ID
	FIXED_DATE
	FIXED_PAYMENT
	FIXED_RATE

SB CAPITAL MARKET

PK	INV_ID
	SB_INCOME
	SB_RATE
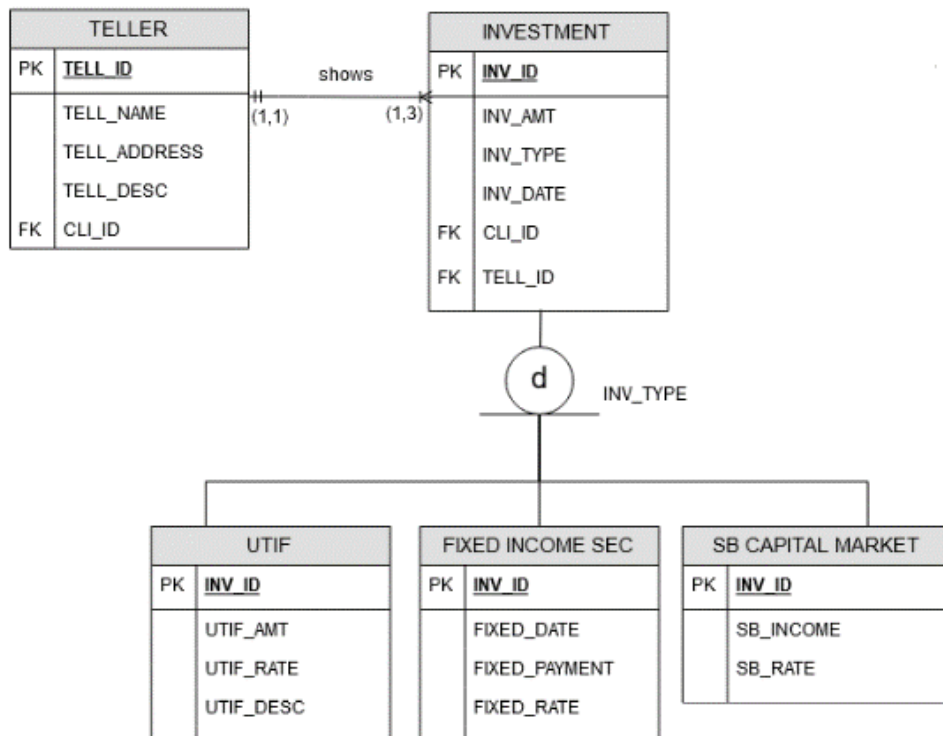
26. A CLIENT picks an INVESTMENT; the INVESTMENT is picked by the CLIENT.

CLIENT	
PK	CLI_ID
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC

picks
(1,1)   (1,3)

INVESTMENT	
PK	INV_ID
	INV_AMT
	INV_TYPE
	INV_DATE
FK	CLI_ID
FK	TELL_ID

d   INV_TYPE

UTIF	
PK	INV_ID
	UTIF_AMT
	UTIF_RATE
	UTIF_DESC

FIXED INCOME SEC	
PK	INV_ID
	FIXED_DATE
	FIXED_PAYMENT
	FIXED_RATE

SB CAPITAL MARKET	
PK	INV_ID
	SB_INCOME
	SB_RATE
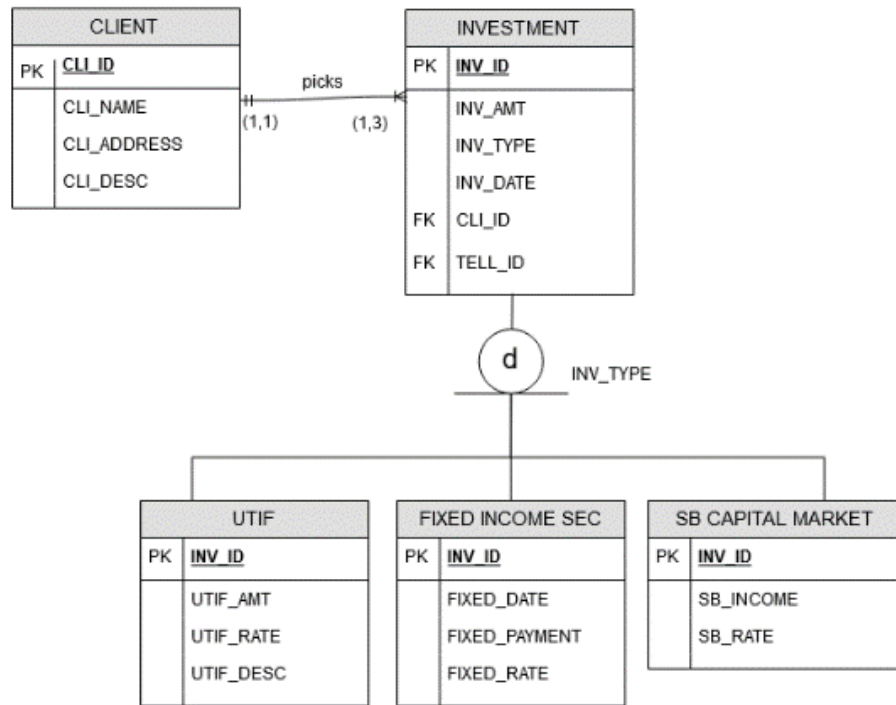
27. The TELLER follows the INVESTMENT; the INVESTMENT is followed by the
TELLER.

TELLER	
PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

follows
(1,1)   (1,3)

INVESTMENT	
PK	INV_ID
	INV_AMT
	INV_TYPE
	INV_DATE
FK	CLI_ID
FK	TELL_ID

d   INV_TYPE

UTIF	
PK	INV_ID
	UTIF_AMT
	UTIF_RATE
	UTIF_DESC

FIXED INCOME SEC	
PK	INV_ID
	FIXED_DATE
	FIXED_PAYMENT
	FIXED_RATE

SB CAPITAL MARKET	
PK	INV_ID
	SB_INCOME
	SB_RATE
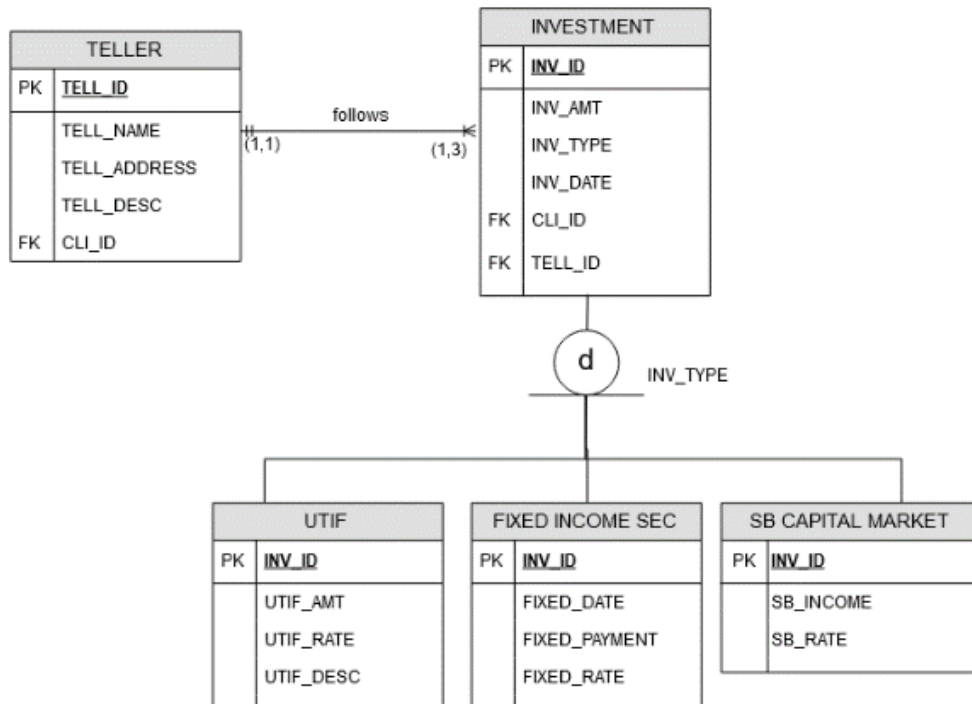
28. The TELLER talks to the CLIENT; the CLIENT is talked by the TELLER.

TELLER	
PK	**TELL_ID**
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

talks

(1,1)   (1,1)

CLIENT	
PK	**CLI_ID**
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC
FK	TELL_ID
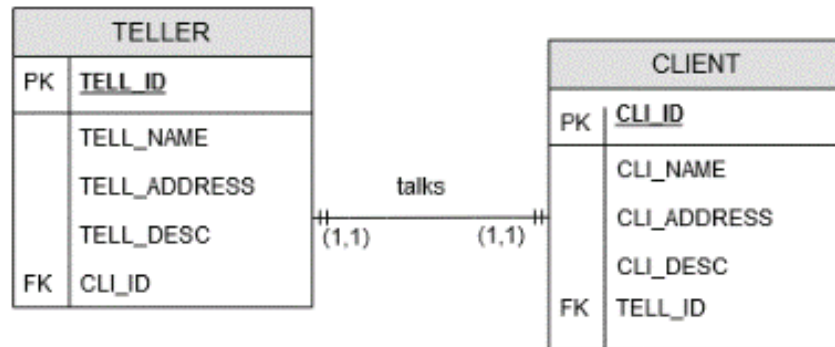
29. The CLIENT gives PAYMENT; the PAYMENT is given by a CLIENT.

CLIENT	
PK	**CLI_ID**
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC
FK	TELL_ID

gives

(1,1)   (1,1)

PAYMENT	
PK	**PAY_CODE**
	PAY_TYPE
	PAY_ADRESS
FK	TELL_ID
FK	CLI_ID
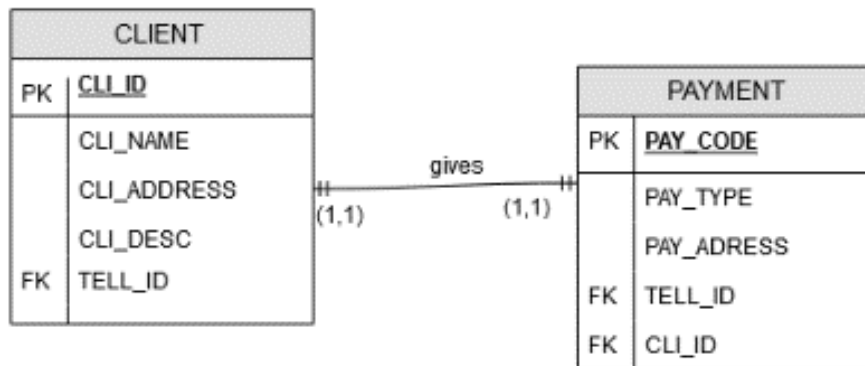
30. The TELLER collects PAYMENT; the PAYMENT is collected by the TELLER.

TELLER	
PK	**TELL_ID**
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

collects

(1,1)   (1,1)

PAYMENT	
PK	**PAY_CODE**
	PAY_TYPE
	PAY_ADRESS
FK	CLI_ID
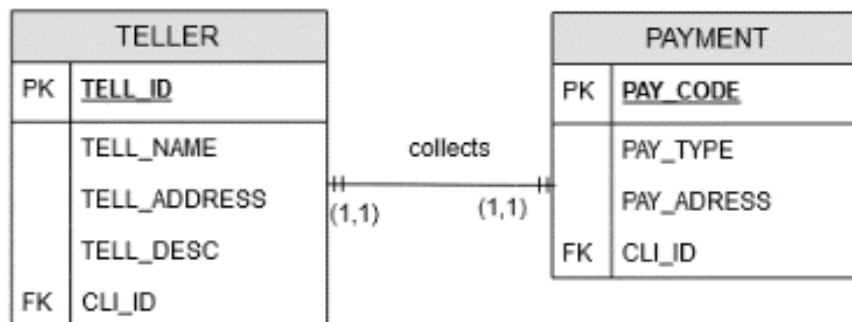
31. The TELLER registers the INVESTMENT; the INVESTMENT is registered by the TELLER.

	TELLER
PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

registers

(1,1)   (1,3)

	INVESTMENT
PK	INV_ID
	INV_AMT
	INV_TYPE
	INV_DATE
FK	CLI_ID
FK	TELL_ID

d INV_TYPE

	UTIF
PK	INV_ID
	UTIF_AMT
	UTIF_RATE
	UTIF_DESC

	FIXED INCOME SEC
PK	INV_ID
	FIXED_DATE
	FIXED_PAYMENT
	FIXED_RATE

	SB CAPITAL MARKET
PK	INV_ID
	SB_INCOME
	SB_RATE
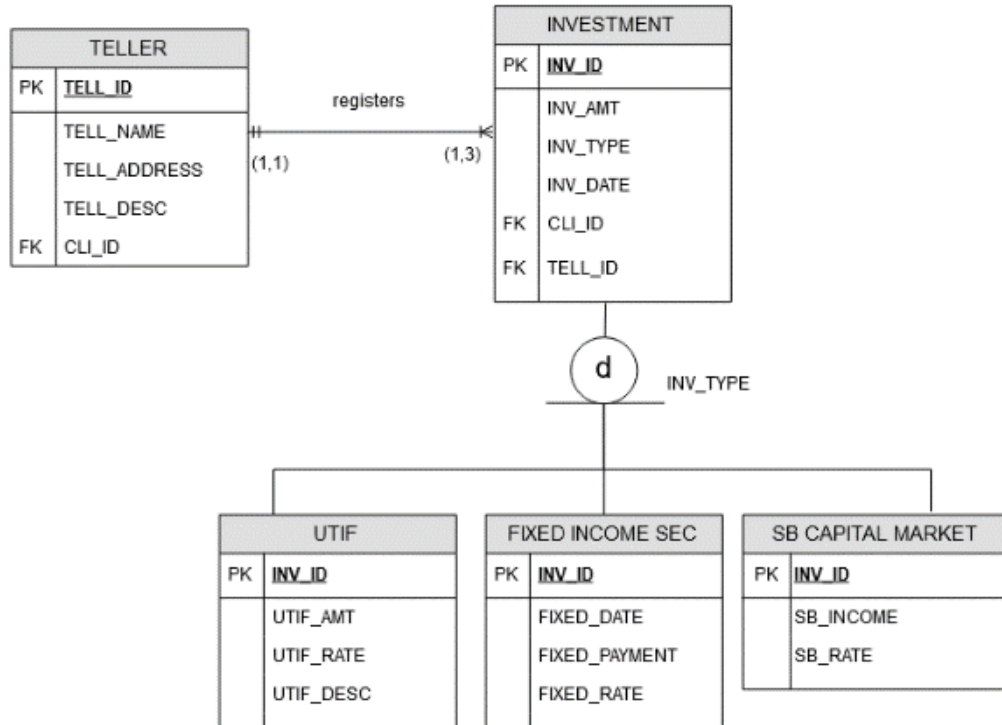
32. The TELLER prompts the CLIENT; the CLIENT is prompted by the TELLER.

	TELLER
PK	TELL_ID
	TELL_NAME
	TELL_ADDRESS
	TELL_DESC
FK	CLI_ID

prompts

(1,1)   (1,1)

	CLIENT
PK	CLI_ID
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC
FK	TELL_ID
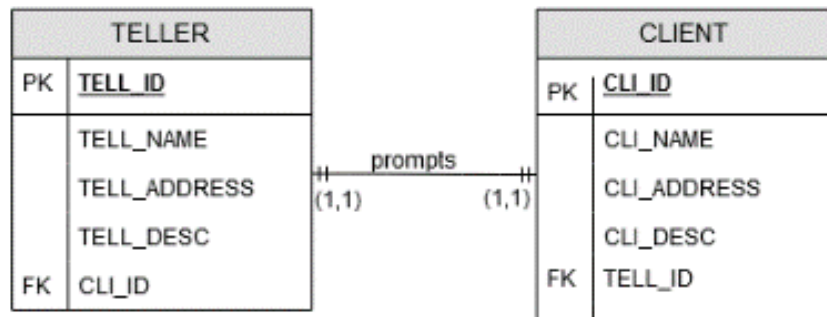
33. A CLIENT leaves the BANK; the BANK was left by a CLIENT

	CLIENT
PK	CLI_ID
	CLI_NAME
	CLI_ADDRESS
	CLI_DESC
FK	TELL_ID

leaves

(1,1)   (1,1)

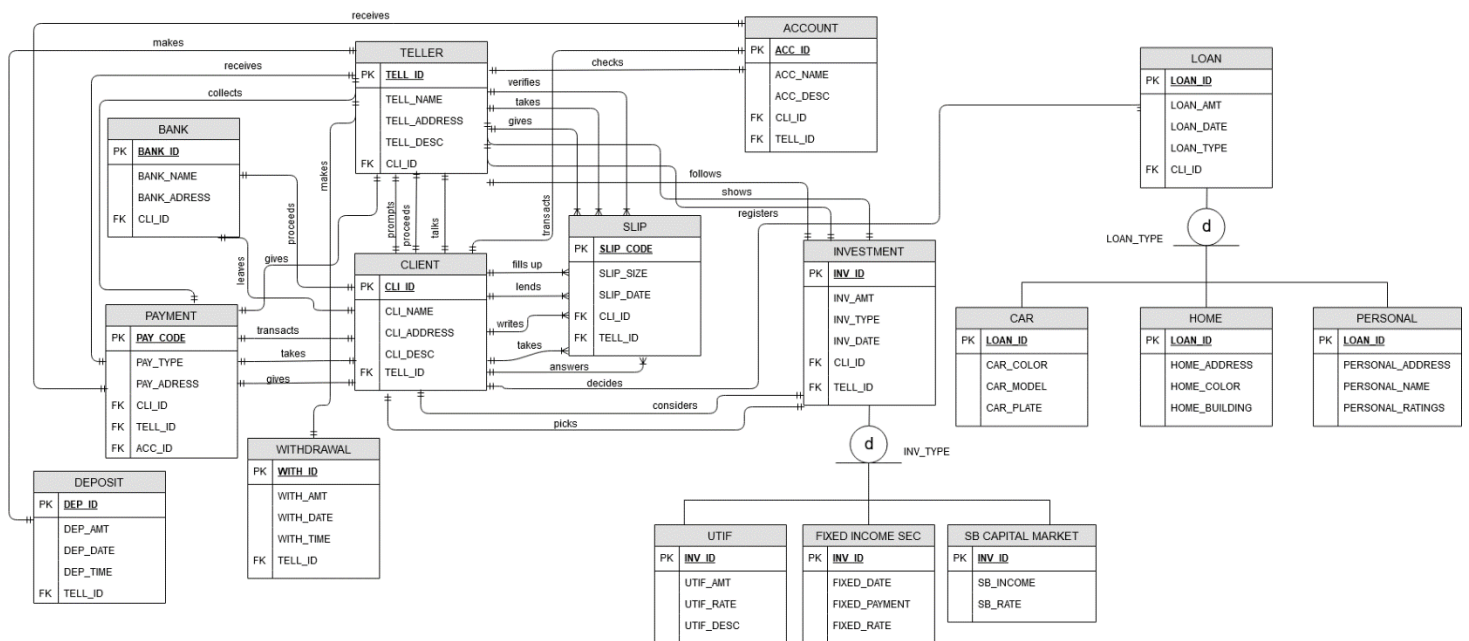|	BANK
PK	BANK_ID
	BANK_NAME
	BANK_ADRESS
FK	CLI_ID
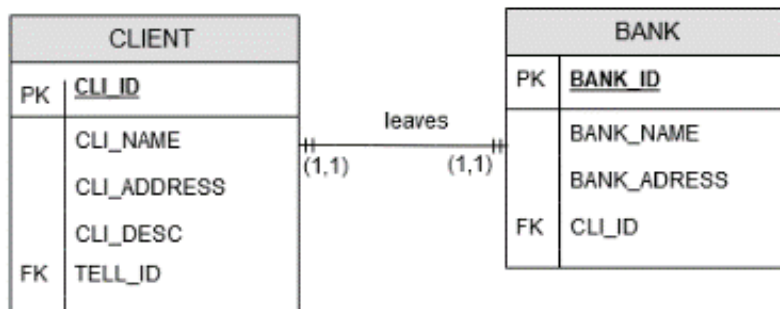
Relational Diagram
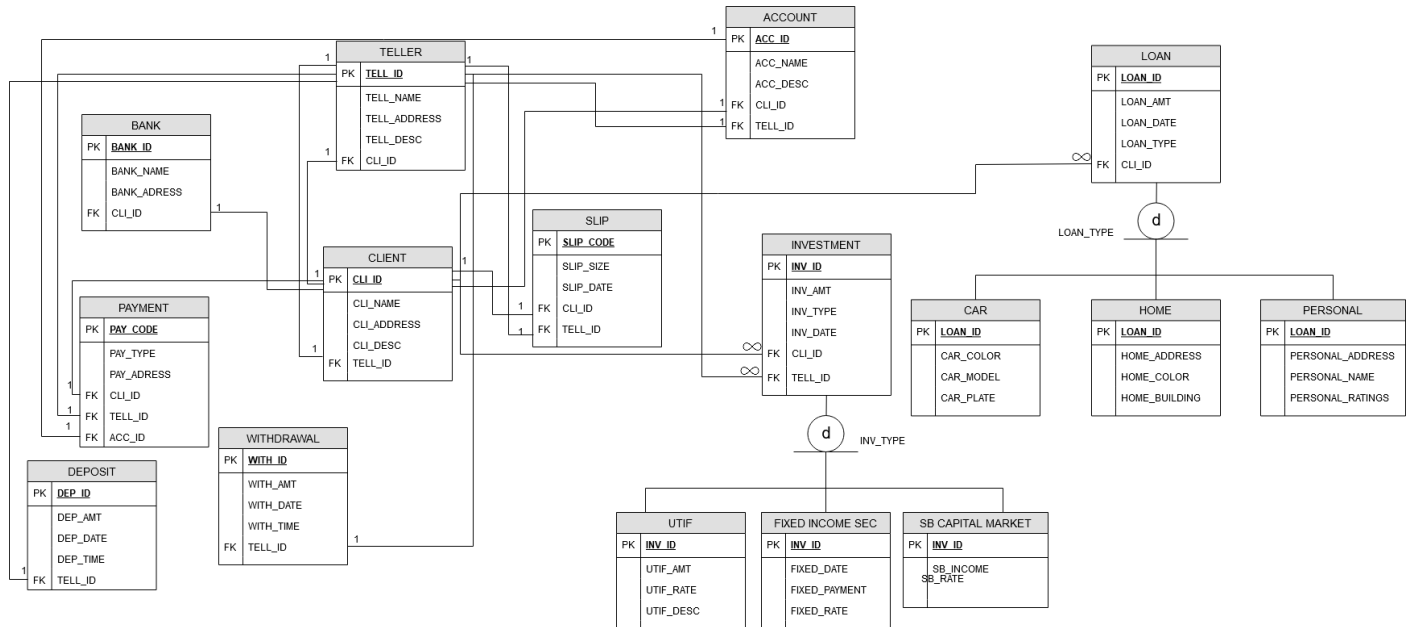
Conceptual Diagram

Data Dictionary/Tables with records/Transactions/Commands used/**Insert/Select**

```
MariaDB [sec_bank]> CREATE TABLE WITHDRAWAL(
    -> WITH_ID INT NOT NULL PRIMARY KEY,
    -> WITH_AMT INT,
    -> WITH_DATE DATE,
    -> WITH_TIME VARCHAR(50),
    -> TELL_ID INT NOT NULL,
    -> FOREIGN KEY(TELL_ID) REFERENCES TELLER(TELL_ID));
Query OK, 0 rows affected (0.467 sec)

MariaDB [sec_bank]> DESCRIBE WITHDRAWAL;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| WITH_ID   | int(11)     | NO   | PRI | NULL    |       |
| WITH_AMT  | int(11)     | YES  |     | NULL    |       |
| WITH_DATE | date        | YES  |     | NULL    |       |
| WITH_TIME | varchar(50) | YES  |     | NULL    |       |
| TELL_ID   | int(11)     | NO   | MUL | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
5 rows in set (0.035 sec)
```

```
MariaDB [sec_bank]> CREATE TABLE WITHDRAWAL(
    -> WITH_ID INT NOT NULL PRIMARY KEY,
    -> WITH_AMT INT,
    -> WITH_DATE DATE,
    -> WITH_TIME VARCHAR(50),
    -> TELL_ID INT NOT NULL,
    -> FOREIGN KEY(TELL_ID) REFERENCES TELLER(TELL_ID));
Query OK, 0 rows affected (0.467 sec)

MariaDB [sec_bank]> DESCRIBE WITHDRAWAL;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| WITH_ID   | int(11)     | NO   | PRI | NULL    |       |
| WITH_AMT  | int(11)     | YES  |     | NULL    |       |
| WITH_DATE | date        | YES  |     | NULL    |       |
| WITH_TIME | varchar(50) | YES  |     | NULL    |       |
| TELL_ID   | int(11)     | NO   | MUL | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
5 rows in set (0.035 sec)
```

```
MariaDB [sec_bank]> INSERT INTO WITHDRAWAL
    -> VALUES('1','12000','2016-09-08','3PM','1');
Query OK, 1 row affected (0.090 sec)

MariaDB [sec_bank]> INSERT INTO WITHDRAWAL
    -> VALUES('2','15000','2011-07-06','5PM','2'),
    -> ('3','20000','2017-01-06','8AM','3'),
    -> ('4','30000','2018-01-06','9AM','4'),
    -> ('5','42000','2016-02-01','10AM','5'),
    -> ('6','25000','2019-03-08','11AM','6');
Query OK, 5 rows affected (0.096 sec)
Records: 5  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM WITHDRAWAL;
+---------+----------+------------+-----------+---------+
| WITH_ID | WITH_AMT | WITH_DATE  | WITH_TIME | TELL_ID |
+---------+----------+------------+-----------+---------+
|       1 |    12000 | 2016-09-08 | 3PM       |       1 |
|       2 |    15000 | 2011-07-06 | 5PM       |       2 |
|       3 |    20000 | 2017-01-06 | 8AM       |       3 |
|       4 |    30000 | 2018-01-06 | 9AM       |       4 |
|       5 |    42000 | 2016-02-01 | 10AM      |       5 |
|       6 |    25000 | 2019-03-08 | 11AM      |       6 |
+---------+----------+------------+-----------+---------+
6 rows in set (0.001 sec)

MariaDB [sec_bank]>
```

```
MariaDB [sec_bank]> INSERT INTO UITF
    -> VALUES('20000','40.5%','BOND','1'),
    -> ('10000','50%','STOCK','2'),
    -> ('50000','30%','MONEY MARKET','3'),
    -> ('15000','60%','BOND','4'),
    -> ('100000','20%','STOCK','5'),
    -> ('30000','40%','BOND','6');
Query OK, 6 rows affected, 6 warnings (0.127 sec)
Records: 6  Duplicates: 0  Warnings: 6

MariaDB [sec_bank]> SELECT * FROM UITF;
+----------+-----------+--------------+--------+
| UITF_AMT | UITF_RATE | UITF_DESC    | INV_ID |
+----------+-----------+--------------+--------+
|    20000 |     40.50 | BOND         |      1 |
|    10000 |     50.00 | STOCK        |      2 |
|    50000 |     30.00 | MONEY MARKET |      3 |
|    15000 |     60.00 | BOND         |      4 |
|   100000 |     20.00 | STOCK        |      5 |
|    30000 |     40.00 | BOND         |      6 |
+----------+-----------+--------------+--------+
6 rows in set (0.001 sec)
```

```
MariaDB [sec_bank]> CREATE TABLE UITF (
    -> UITF_AMT INT,
    -> UITF_RATE DECIMAL(5,2),
    -> UITF_DESC VARCHAR(50),
    -> INV_ID INT PRIMARY KEY);
Query OK, 0 rows affected (0.308 sec)

MariaDB [sec_bank]> DESCRIBE UITF;
+-----------+--------------+------+-----+---------+-------+
| Field     | Type         | Null | Key | Default | Extra |
+-----------+--------------+------+-----+---------+-------+
| UITF_AMT  | int(11)      | YES  |     | NULL    |       |
| UITF_RATE | decimal(5,2) | YES  |     | NULL    |       |
| UITF_DESC | varchar(50)  | YES  |     | NULL    |       |
| INV_ID    | int(11)      | NO   | PRI | NULL    |       |
+-----------+--------------+------+-----+---------+-------+
4 rows in set (0.064 sec)
```

```
MariaDB [SEC_BANK]> SELECT*FROM TELLER;
+-----------+--------------+------------------+---------+
| TELL_NAME | TELL_ADDRESS | TELL_DESC        | TELL_ID |
+-----------+--------------+------------------+---------+
| BONIFACIO | BULAKAN      | SERVICE PROVIDER |       1 |
| SANTIAGO  | PASAY        | SERVICE PROVIDER |       2 |
| LUNA      | CAVITE       | SERVICE PROVIDER |       3 |
| PABLO     | MAKATI       | SERVICE PROVIDER |       4 |
| ANDRES    | TAGUIG       | SERVICE PROVIDER |       5 |
+-----------+--------------+------------------+---------+
5 rows in set (0.001 sec)
```

```
MariaDB [(none)]> use SEC_BANK;
Database changed
MariaDB [SEC_BANK]> CREATE TABLE TELLER (
    -> TELL_NAME VARCHAR(50),
    -> TELL_ADDRESS VARCHAR(50),
    -> TELL_DESC VARCHAR(50),
    -> TELL_ID INT PRIMARY KEY);
Query OK, 0 rows affected (0.487 sec)

MariaDB [SEC_BANK]> DESCRIBE TELLER;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| TELL_NAME    | varchar(50) | YES  |     | NULL    |       |
| TELL_ADDRESS | varchar(50) | YES  |     | NULL    |       |
| TELL_DESC    | varchar(50) | YES  |     | NULL    |       |
| TELL_ID      | int(11)     | NO   | PRI | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
4 rows in set (0.141 sec)

MariaDB [SEC_BANK]> INSERT INTO TELLER
    -> VALUES('BONIFACIO','BULAKAN','SERVICE PROVIDER','1'),
    -> ('SANTIAGO','PASAY','SERVICE PROVIDER','2'),
    -> ('LUNA','CAVITE','SERVICE PROVIDER','3'),
    -> ('PABLO','MAKATI','SERVICE PROVIDER','4'),
    -> ('ANDRES','TAGUIG','SERVICE PROVIDER','5');
Query OK, 5 rows affected (0.074 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
MariaDB [sec_bank]> CREATE TABLE SLIP(
    -> SLIP_SIZE VARCHAR(50),
    -> SLIP_CODE VARCHAR(50),
    -> SLIP_DATE DATE);
Query OK, 0 rows affected (0.906 sec)

MariaDB [sec_bank]> DESCRIBE SLIP
    -> ;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| SLIP_SIZE | varchar(50) | YES  |     | NULL    |       |
| SLIP_CODE | varchar(50) | YES  |     | NULL    |       |
| SLIP_DATE | date        | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
3 rows in set (0.083 sec)
```

```
MariaDB [sec_bank]> INSERT INTO SLIP
    -> VALUES('S','A1','2017-08-08'),
    -> ('M','B1','2016-02-08'),
    -> ('L','C1','2017-02-01'),
    -> ('S','D1','2009-02-06'),
    -> ('M','D7','2019-02-02'),
    -> ('S','K7','2018-02-04');
Query OK, 6 rows affected (0.142 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM SLIP;
+-----------+-----------+------------+
| SLIP_SIZE | SLIP_CODE | SLIP_DATE  |
+-----------+-----------+------------+
| S         | A1        | 2017-08-08 |
| M         | B1        | 2016-02-08 |
| L         | C1        | 2017-02-01 |
| S         | D1        | 2009-02-06 |
| M         | D7        | 2019-02-02 |
| S         | K7        | 2018-02-04 |
+-----------+-----------+------------+
6 rows in set (0.001 sec)

MariaDB [sec_bank]>
```

20

```
MariaDB [sec_bank]> create table homes(
    -> HOME_ADDRESS VARCHAR(50),
    -> HOME_COLOR VARCHAR(50),
    -> HOME_BUILDING VARCHAR(50));
Query OK, 0 rows affected (1.382 sec)

MariaDB [sec_bank]> describe homes;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| HOME_ADDRESS  | varchar(50) | YES  |     | NULL    |       |
| HOME_COLOR    | varchar(50) | YES  |     | NULL    |       |
| HOME_BUILDING | varchar(50) | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
3 rows in set (0.164 sec)

MariaDB [sec_bank]> INSERT INTO HOMES
    -> VALUES('PASAY','RED','A1'),
    -> ('CAVITE','BLACK','B1'),
    -> ('BUENDIA','YELLOW','D1'),
    -> ('CUBAO','GRAY','H2'),
    -> ('MANILA','ORANGE','L6'),
    -> ('METRO MANILA','WHITE','P9');
Query OK, 6 rows affected (0.050 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> SELECT * FROM HOMES;
+--------------+------------+---------------+
| HOME_ADDRESS | HOME_COLOR | HOME_BUILDING |
+--------------+------------+---------------+
| PASAY        | RED        | A1            |
| CAVITE       | BLACK      | B1            |
| BUENDIA      | YELLOW     | D1            |
| CUBAO        | GRAY       | H2            |
| MANILA       | ORANGE     | L6            |
| METRO MANILA | WHITE      | P9            |
+--------------+------------+---------------+
6 rows in set (0.000 sec)

MariaDB [sec_bank]>
```

```
MariaDB [sec_bank]> CREATE TABLE PAYMENTS(
    -> PAY_TYPE VARCHAR(50),
    -> PAY_ADDRESS VARCHAR(50),
    -> PAY_CODE VARCHAR(50));
Query OK, 0 rows affected (0.439 sec)

MariaDB [sec_bank]> DESCRIBE PAYMENTS
    -> ;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| PAY_TYPE    | varchar(50) | YES  |     | NULL    |       |
| PAY_ADDRESS | varchar(50) | YES  |     | NULL    |       |
| PAY_CODE    | varchar(50) | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
3 rows in set (0.049 sec)

MariaDB [sec_bank]> INSERT INTO PAYMENTS
    -> VALUES('CASH','PASAY','1'),
    -> ('DEBIT CARD','MAKATI','2'),
    -> ('EWALLETS','TAGUIG','3'),
    -> ('MOBILE PAYMENT','ORTIGAS','4'),
    -> ('CASH','MANILA','5'),
    -> ('PREPAID CARD','CAVITE','6');
Query OK, 6 rows affected (0.049 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM PAYMENTS;
+----------------+-------------+----------+
| PAY_TYPE       | PAY_ADDRESS | PAY_CODE |
+----------------+-------------+----------+
| CASH           | PASAY       | 1        |
| DEBIT CARD     | MAKATI      | 2        |
| EWALLETS       | TAGUIG      | 3        |
| MOBILE PAYMENT | ORTIGAS     | 4        |
| CASH           | MANILA      | 5        |
| PREPAID CARD   | CAVITE      | 6        |
+----------------+-------------+----------+
6 rows in set (0.000 sec)
```

```
MariaDB [sec_bank]> CREATE TABLE SB_CAPITAL_MARKET(
    -> SB_INCOME INT,
    -> SB_RATE DECIMAL(5,2),
    -> INV_ID INT PRIMARY KEY);
Query OK, 0 rows affected (0.380 sec)

MariaDB [sec_bank]> INSERT INTO SB_CAPITAL_MARKET
    -> VALUES('320000','32.4','1'),
    -> ('120000','42.2','2'),
    -> ('450000','50.2','3'),
    -> ('800000','15.7','4'),
    -> ('460000','55.6','5'),
    -> ('90000','80.9','6');
Query OK, 6 rows affected (0.094 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM SB_CAPITAL_MARKET;
+-----------+---------+--------+
| SB_INCOME | SB_RATE | INV_ID |
+-----------+---------+--------+
|    320000 |   32.40 |      1 |
|    120000 |   42.20 |      2 |
|    450000 |   50.20 |      3 |
|    800000 |   15.70 |      4 |
|    460000 |   55.60 |      5 |
|     90000 |   80.90 |      6 |
+-----------+---------+--------+
6 rows in set (0.000 sec)

MariaDB [sec_bank]> DESCRIBE SB_CAPITAL_MARKET;
+-----------+--------------+------+-----+---------+-------+
| Field     | Type         | Null | Key | Default | Extra |
+-----------+--------------+------+-----+---------+-------+
| SB_INCOME | int(11)      | YES  |     | NULL    |       |
| SB_RATE   | decimal(5,2) | YES  |     | NULL    |       |
| INV_ID    | int(11)      | NO   | PRI | NULL    |       |
+-----------+--------------+------+-----+---------+-------+
3 rows in set (0.029 sec)
```

```
MariaDB [sec_bank]> CREATE TABLE PERSONAL (
    -> PERSONAL_ADDRESS VARCHAR(50),
    -> PERSONAL_NAME VARCHAR(50),
    -> PERSONAL_RATINGS VARCHAR(50),
    -> LOAN_ID INT PRIMARY KEY);
Query OK, 0 rows affected (1.167 sec)

MariaDB [sec_bank]> INSERT INTO PERSONAL
    -> VALUES('PASAY','CRUZ','5','1'),
    -> ('LAS PINAS','FIRMO','5','2'),
    -> ('MANILA','SANTOS','4','3'),
    -> ('TAGUIG','SARTE','2','4'),
    -> ('MANILA','PEDRO','4','5'),
    -> ('CAVITE','TEODORO','5','6');
Query OK, 6 rows affected (0.405 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> SELECT * FROM PERSONAL;
+------------------+---------------+------------------+---------+
| PERSONAL_ADDRESS | PERSONAL_NAME | PERSONAL_RATINGS | LOAN_ID |
+------------------+---------------+------------------+---------+
| PASAY            | CRUZ          | 5                |       1 |
| LAS PINAS        | FIRMO         | 5                |       2 |
| MANILA           | SANTOS        | 4                |       3 |
| TAGUIG           | SARTE         | 2                |       4 |
| MANILA           | PEDRO         | 4                |       5 |
| CAVITE           | TEODORO       | 5                |       6 |
+------------------+---------------+------------------+---------+
6 rows in set (0.001 sec)
```

```
MariaDB [SEC_BANK]> CREATE TABLE LOAN (
    -> LOAN_AMT INT,
    -> LOAN_DATE DATE,
    -> LOAN_TYPE VARCHAR(50),
    -> LOAN_ID INT NOT NULL PRIMARY KEY,
    -> CLI_ID INT(11)
    -> ,FOREIGN KEY(CLI_ID) REFERENCES CLIENT(CLI_ID));
Query OK, 0 rows affected (0.508 sec)

MariaDB [SEC_BANK]> DESCRIBE LOAN;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| LOAN_AMT  | int(11)     | YES  |     | NULL    |       |
| LOAN_DATE | date        | YES  |     | NULL    |       |
| LOAN_TYPE | varchar(50) | YES  |     | NULL    |       |
| LOAN_ID   | int(11)     | NO   | PRI | NULL    |       |
| CLI_ID    | int(11)     | YES  | MUL | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
5 rows in set (0.040 sec)
```

```
MariaDB [SEC_BANK]> INSERT INTO LOAN
    -> VALUES(120000,2019-09-08,'SECURED LOANS','1','1');
Query OK, 1 row affected, 1 warning (0.110 sec)

MariaDB [SEC_BANK]> INSERT INTO LOAN
    -> VALUES(500000,2019-01-02,'UNSECURED LOANS','2','2'),
    -> (800000,2018-04-05,'INSTALLMENT LOANS','3','3'),
    -> (250000,2017-02-07,'SECURED LOANS','4','4'),
    -> (450000,2019-03-01,'UNSECURED LOANS','5','5'),
    -> (920000,2018-03-09,'FIXED RATE LOANS','6','6');
Query OK, 5 rows affected, 5 warnings (0.075 sec)
Records: 5  Duplicates: 0  Warnings: 5

MariaDB [SEC_BANK]> SELECT * FROM LOAN;
+----------+------------+-------------------+---------+--------+
| LOAN_AMT | LOAN_DATE  | LOAN_TYPE         | LOAN_ID | CLI_ID |
+----------+------------+-------------------+---------+--------+
|   120000 | 0000-00-00 | SECURED LOANS     |       1 |      1 |
|   500000 | 0000-00-00 | UNSECURED LOANS   |       2 |      2 |
|   800000 | 0000-00-00 | INSTALLMENT LOANS |       3 |      3 |
|   250000 | 0000-00-00 | SECURED LOANS     |       4 |      4 |
|   450000 | 0000-00-00 | UNSECURED LOANS   |       5 |      5 |
|   920000 | 0000-00-00 | FIXED RATE LOANS  |       6 |      6 |
+----------+------------+-------------------+---------+--------+
6 rows in set (0.001 sec)
```

```
MariaDB [SEC_BANK]> CREATE TABLE LOAN (
    -> LOAN_AMT INT,
    -> LOAN_DATE DATE,
    -> LOAN_TYPE VARCHAR(50),
    -> LOAN_ID INT NOT NULL PRIMARY KEY,
    -> CLI_ID INT(11)
    -> ,FOREIGN KEY(CLI_ID) REFERENCES CLIENT(CLI_ID));
Query OK, 0 rows affected (0.508 sec)

MariaDB [SEC_BANK]> DESCRIBE LOAN;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| LOAN_AMT  | int(11)     | YES  |     | NULL    |       |
| LOAN_DATE | date        | YES  |     | NULL    |       |
| LOAN_TYPE | varchar(50) | YES  |     | NULL    |       |
| LOAN_ID   | int(11)     | NO   | PRI | NULL    |       |
| CLI_ID    | int(11)     | YES  | MUL | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
5 rows in set (0.040 sec)
```

```
MariaDB [sec_bank]> INSERT INTO INVESTMENT
    -> VALUES('120000','STOCKS','2018-05-05','1'
    -> ,'1','1');
Query OK, 1 row affected (0.133 sec)

MariaDB [sec_bank]> INSERT INTO INVESTMENT
    -> VALUES('150000','INSURANCE','2019-07-06','2','2','2'),
    -> ('100000','ANNUITIES','2013-01-06','3','3','3'),
    -> ('3500000','SECURITY FUTURES','2015-02-01','4','4','4'),
    -> ('90000','COMMODITY FUTURES','2017-03-04','5','5','5'),
    -> ('500000','STOCKS','2018-05-04','6','6','6');
Query OK, 5 rows affected (0.090 sec)
Records: 5  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> SELECT * FROM INVESTMENT;
+---------+-------------------+------------+--------+---------+--------+
| INV_AMT | INV_TYPE          | INV_DATE   | CLI_ID | TELL_ID | INV_ID |
+---------+-------------------+------------+--------+---------+--------+
|  120000 | STOCKS            | 2018-05-05 |      1 |       1 |      1 |
|  150000 | INSURANCE         | 2019-07-06 |      2 |       2 |      2 |
|  100000 | ANNUITIES         | 2013-01-06 |      3 |       3 |      3 |
| 3500000 | SECURITY FUTURES  | 2015-02-01 |      4 |       4 |      4 |
|   90000 | COMMODITY FUTURES | 2017-03-04 |      5 |       5 |      5 |
|  500000 | STOCKS            | 2018-05-04 |      6 |       6 |      6 |
+---------+-------------------+------------+--------+---------+--------+
6 rows in set (0.000 sec)
```

```
MariaDB [sec_bank]> CREATE TABLE ACCOUNT(
    -> ACC_ID INT NOT NULL PRIMARY KEY,
    -> ACC_NAME VARCHAR(50),
    -> ACC_DESC VARCHAR(40),
    -> CLI_ID INT,
    -> FOREIGN KEY(CLI_ID) REFERENCES CLIENT(CLI_ID),
    -> TELL_ID INT,
    -> FOREIGN KEY(TELL_ID) REFERENCES TELLER(TELL_ID));
Query OK, 0 rows affected (0.954 sec)
```

```
MariaDB [sec_bank]> CREATE TABLE INVESTMENT(
    -> INV_AMT INT,
    -> INV_TYPE VARCHAR(50),
    -> INV_DATE DATE,
    -> CLI_ID INT(11),
    -> FOREIGN KEY(CLI_ID) REFERENCES CLIENT(CLI_ID),
    -> TELL_ID INT(11),
    -> FOREIGN KEY(TELL_ID) REFERENCES TELLER(TELL_ID));
Query OK, 0 rows affected (0.564 sec)

MariaDB [sec_bank]> DESCRIBE INVESTMENT;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| INV_AMT  | int(11)     | YES  |     | NULL    |       |
| INV_TYPE | varchar(50) | YES  |     | NULL    |       |
| INV_DATE | date        | YES  |     | NULL    |       |
| CLI_ID   | int(11)     | YES  | MUL | NULL    |       |
| TELL_ID  | int(11)     | YES  | MUL | NULL    |       |
+----------+-------------+------+-----+---------+-------+
5 rows in set (0.192 sec)

MariaDB [sec_bank]> ALTER TABLE INVESTMENT
    -> ADD INV_ID INT PRIMARY KEY;
Query OK, 0 rows affected (1.077 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> DESCRIBE INVESTMENT;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| INV_AMT  | int(11)     | YES  |     | NULL    |       |
| INV_TYPE | varchar(50) | YES  |     | NULL    |       |
| INV_DATE | date        | YES  |     | NULL    |       |
| CLI_ID   | int(11)     | YES  | MUL | NULL    |       |
| TELL_ID  | int(11)     | YES  | MUL | NULL    |       |
| INV_ID   | int(11)     | NO   | PRI | NULL    |       |
+----------+-------------+------+-----+---------+-------+
6 rows in set (0.021 sec)
```

```
MariaDB [S_BANK]> INSERT INTO TELLER
    -> VALUES(10,'FRANCISCO','TAGUIG','SERVICE PROVIDER');
Query OK, 1 row affected (0.152 sec)

MariaDB [S_BANK]> INSERT INTO TELLER
    -> VALUES(11,'SANTIAGO','PASAY','SERVICE PROVIDER'),
    -> (12,'SANTOS','PASIG','SERVICE PROVIDER'),
    -> (13,'LUNA','BULACAN','SERVICE PROVIDER'),
    -> (14,'LEE','MAKATI','SERVICE PROVIDER');
Query OK, 4 rows affected (0.077 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

```
MariaDB [sec_bank]> CREATE TABLE FIXED_INCOME_SEC(
    -> FIXED_DATE DATE,
    -> FIXED_PAYMENT VARCHAR(50),
    -> FIXED_RATE DECIMAL(5,2),
    -> INV_ID INT PRIMARY KEY);
Query OK, 0 rows affected (0.676 sec)

MariaDB [sec_bank]> DESCRIBE FIXED_INCOME_SEC;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| FIXED_DATE    | date        | YES  |     | NULL    |       |
| FIXED_PAYMENT | varchar(50) | YES  |     | NULL    |       |
| FIXED_RATE    | decimal(5,2)| YES  |     | NULL    |       |
| INV_ID        | int(11)     | NO   | PRI | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
4 rows in set (0.048 sec)

MariaDB [sec_bank]> INSERT INTO FIXED_INCOME_SEC
    -> VALUES('2018-09-08','BONDS','30.5%','1'),
    -> ('2015-01-02','TREASURY BILLS','20','2'),
    -> ('2018-02-07','MONEY MARKET','30','3'),
    -> ('2012-02-01','BONDS','50','4'),
    -> ('2017-07-05','TREASURY BILLS','10','5'),
    -> ('2019-01-07','ASSET BACKED SECURITIES','60','6');
Query OK, 6 rows affected, 1 warning (0.308 sec)
Records: 6  Duplicates: 0  Warnings: 1

MariaDB [sec_bank]> SELECT*FROM FIXED_INCOME_SEC;
+------------+-------------------------+------------+--------+
| FIXED_DATE | FIXED_PAYMENT           | FIXED_RATE | INV_ID |
+------------+-------------------------+------------+--------+
| 2018-09-08 | BONDS                   |      30.50 |      1 |
| 2015-01-02 | TREASURY BILLS          |      20.00 |      2 |
| 2018-02-07 | MONEY MARKET            |      30.00 |      3 |
| 2012-02-01 | BONDS                   |      50.00 |      4 |
| 2017-07-05 | TREASURY BILLS          |      10.00 |      5 |
| 2019-01-07 | ASSET BACKED SECURITIES |      60.00 |      6 |
+------------+-------------------------+------------+--------+
6 rows in set (0.001 sec)
```

28

```
MariaDB [sec_bank]> INSERT INTO DEPOSIT
    -> VALUES('1','15000','2017-09-08','9AM'),
    -> ('2','10000','2018-01-08','7AM'),
    -> ('3','50000','2016-03-04','2PM'),
    -> ('4','20000','2019-07-05','3PM'),
    -> ('5','60000','2013-01-06','1PM'),
    -> ('6','10000','2016-06-05','3PM');
Query OK, 6 rows affected (0.080 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> SELECT * FROM DEPOSIT
    -> ;
+--------+---------+------------+----------+
| DEP_ID | DEP_AMT | DEP_DATE   | DEP_TIME |
+--------+---------+------------+----------+
|      1 |   15000 | 2017-09-08 | 9AM      |
|      2 |   10000 | 2018-01-08 | 7AM      |
|      3 |   50000 | 2016-03-04 | 2PM      |
|      4 |   20000 | 2019-07-05 | 3PM      |
|      5 |   60000 | 2013-01-06 | 1PM      |
|      6 |   10000 | 2016-06-05 | 3PM      |
+--------+---------+------------+----------+
6 rows in set (0.001 sec)

MariaDB [sec_bank]>
```

```
MariaDB [sec_bank]> CREATE TABLE DEPOSIT(
    -> DEP_ID INT NOT NULL PRIMARY KEY,
    -> DEP_AMT INT,
    -> DEP_DATE DATE,
    -> DEP_TIME VARCHAR(50));
Query OK, 0 rows affected (0.426 sec)

MariaDB [sec_bank]> DESCRIBE DEPOSIT;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| DEP_ID   | int(11)     | NO   | PRI | NULL    |       |
| DEP_AMT  | int(11)     | YES  |     | NULL    |       |
| DEP_DATE | date        | YES  |     | NULL    |       |
| DEP_TIME | varchar(50) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
4 rows in set (0.068 sec)
```

```
MariaDB [SEC_BANK]> INSERT INTO CLIENT
    -> VALUES('JAMES','TAGUIG','CONSUMER BANKING','1',1);
Query OK, 1 row affected (0.084 sec)
```

```
MariaDB [SEC_BANK]> INSERT INTO CLIENT
    -> VALUES ('RANZ','TAGUIG','CONSUMER BANKING','2','2'),
    -> ('MARK','PASAY','CONSUMER BANKING','3','3'),
    -> ('ROBERT','MAKATI','CONSUMER BANKING','4','4'),
    -> ('RICHARD','QUEZON','CONSUMER BANKING','5','5');
Query OK, 4 rows affected (0.092 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

```
MariaDB [SEC_BANK]> SELECT*FROM CLIENT;
+----------+-------------+------------------+--------+---------+
| CLI_NAME | CLI_ADDRESS | CLI_DESC         | CLI_ID | TELL_ID |
+----------+-------------+------------------+--------+---------+
| JAMES    | TAGUIG      | CONSUMER BANKING |      1 |       1 |
| RANZ     | TAGUIG      | CONSUMER BANKING |      2 |       2 |
| MARK     | PASAY       | CONSUMER BANKING |      3 |       3 |
| ROBERT   | MAKATI      | CONSUMER BANKING |      4 |       4 |
| RICHARD  | QUEZON      | CONSUMER BANKING |      5 |       5 |
+----------+-------------+------------------+--------+---------+
5 rows in set (0.001 sec)
```

```
MariaDB [SEC_BANK]> DESCRIBE CLIENT;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| CLI_NAME    | varchar(50) | YES  |     | NULL    |       |
| CLI_ADDRESS | varchar(50) | YES  |     | NULL    |       |
| CLI_DESC    | varchar(50) | YES  |     | NULL    |       |
| CLI_ID      | int(11)     | NO   | PRI | NULL    |       |
| TELL_ID     | int(11)     | YES  | MUL | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (0.066 sec)
```

```
MariaDB [SEC_BANK]> CREATE TABLE CLIENT (
    -> CLI_NAME VARCHAR(50),
    -> CLI_ADDRESS VARCHAR(50),
    -> CLI_DESC VARCHAR(50),
    -> CLI_ID INT PRIMARY KEY,
    -> TELL_ID INT(11),
    -> FOREIGN KEY (TELL_ID) REFERENCES TELLER(TELL_ID));
Query OK, 0 rows affected (0.467 sec)
```

```
MariaDB [SEC_BANK]> CREATE TABLE CAR(
    -> CAR_COLOR VARCHAR(30),
    -> CAR_MODEL VARCHAR(30),
    -> CAR_PLATE VARCHAR(30),
    -> LOAN_ID INT PRIMARY KEY);
Query OK, 0 rows affected (0.659 sec)

MariaDB [SEC_BANK]> INSERT INTO CAR
    -> VALUES('RED','HONDA','KAR123','1'),
    -> ('BLUE','TOYOTA','NAK453','2'),
    -> ('BLACK','SUBARU','SUS920','3'),
    -> ('YELLOW','HYUNDAI','EWT264','4'),
    -> ('WHITE','MITSUBISHI','TYO457','5'),
    -> ('VIOLET','AUDI','WUE361','6');
Query OK, 6 rows affected (0.131 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [SEC_BANK]> SELECT * FROM CAR;
+-----------+------------+-----------+---------+
| CAR_COLOR | CAR_MODEL  | CAR_PLATE | LOAN_ID |
+-----------+------------+-----------+---------+
| RED       | HONDA      | KAR123    |       1 |
| BLUE      | TOYOTA     | NAK453    |       2 |
| BLACK     | SUBARU     | SUS920    |       3 |
| YELLOW    | HYUNDAI    | EWT264    |       4 |
| WHITE     | MITSUBISHI | TYO457    |       5 |
| VIOLET    | AUDI       | WUE361    |       6 |
+-----------+------------+-----------+---------+
6 rows in set (0.001 sec)

MariaDB [SEC_BANK]>
```

31

```
MariaDB [sec_bank]> CREATE TABLE BANK(
    -> BANK_NAME VARCHAR(50),
    -> BANK_ADDRESS VARCHAR(50),
    -> BANK_ID INT NOT NULL PRIMARY KEY,
    -> CLI_ID INT,
    -> FOREIGN KEY(CLI_ID) REFERENCES CLIENT(ClI_ID));
Query OK, 0 rows affected (0.675 sec)

MariaDB [sec_bank]> DESCRIBE BANK;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| BANK_NAME    | varchar(50) | YES  |     | NULL    |       |
| BANK_ADDRESS | varchar(50) | YES  |     | NULL    |       |
| BANK_ID      | int(11)     | NO   | PRI | NULL    |       |
| CLI_ID       | int(11)     | YES  | MUL | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
4 rows in set (0.080 sec)

MariaDB [sec_bank]> INSERT INTO BANK
    -> VALUES('SECURITY BANK','ORTIGAS','1','1'),
    -> ('SECURITY BANK','CUBAO','2','2'),
    -> ('SECURITY BANK','GUADALUPE','3','3'),
    -> ('SECURITY BANK','QUEZON CITY','4','4'),
    -> ('SECURITY BANK','MANILA','5','5'),
    -> ('SECURITY BANK','METRO MANILA','6','6');
Query OK, 6 rows affected (0.110 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [sec_bank]> SELECT * FROM BANK;
+---------------+--------------+---------+--------+
| BANK_NAME     | BANK_ADDRESS | BANK_ID | CLI_ID |
+---------------+--------------+---------+--------+
| SECURITY BANK | ORTIGAS      |       1 |      1 |
| SECURITY BANK | CUBAO        |       2 |      2 |
| SECURITY BANK | GUADALUPE    |       3 |      3 |
| SECURITY BANK | QUEZON CITY  |       4 |      4 |
| SECURITY BANK | MANILA       |       5 |      5 |
| SECURITY BANK | METRO MANILA |       6 |      6 |
+---------------+--------------+---------+--------+
6 rows in set (0.001 sec)
```

```
MariaDB [sec_bank]> INSERT INTO ACCOUNT
    -> VALUES('3','BRIAN','SAVINGS ACCOUNT','3','3'),
    -> ('4','CHRIS','FINANCIAL ACCOUNT','4','4'),
    -> ('5','ALITA','BROKERAGE ACCOUNT','5','5');
Query OK, 3 rows affected (0.086 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

```
MariaDB [sec_bank]> DESCRIBE ACCOUNT;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| ACC_ID   | int(11)     | NO   | PRI | NULL    |       |
| ACC_NAME | varchar(50) | YES  |     | NULL    |       |
| ACC_DESC | varchar(40) | YES  |     | NULL    |       |
| CLI_ID   | int(11)     | YES  | MUL | NULL    |       |
| TELL_ID  | int(11)     | YES  | MUL | NULL    |       |
+----------+-------------+------+-----+---------+-------+
5 rows in set (0.068 sec)

MariaDB [sec_bank]> SELECT * FROM ACCOUNT;
+--------+----------+-------------------+--------+---------+
| ACC_ID | ACC_NAME | ACC_DESC          | CLI_ID | TELL_ID |
+--------+----------+-------------------+--------+---------+
|      1 | ANNE     | FINANCIAL ACCOUNT |      1 |       1 |
|      2 | JOHN     | CHECKING ACCOUNT  |      2 |       2 |
|      3 | BRIAN    | SAVINGS ACCOUNT   |      3 |       3 |
|      4 | CHRIS    | FINANCIAL ACCOUNT |      4 |       4 |
|      5 | ALITA    | BROKERAGE ACCOUNT |      5 |       5 |
|      6 | CLAIRE   | SAVINGS ACCOUNT   |      6 |       6 |
+--------+----------+-------------------+--------+---------+
6 rows in set (0.001 sec)
```

Update

```
MariaDB [sec_bank]> UPDATE WITHDRAWAL SET WITH_TIME='7AM' WHERE WITH_ID='1';
Query OK, 1 row affected (0.082 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE WITHDRAWAL SET WITH_TIME='9AM' WHERE WITH_ID='2';
Query OK, 1 row affected (0.071 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE WITHDRAWAL SET WITH_TIME='11AM' WHERE WITH_ID='3';
Query OK, 1 row affected (0.078 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE WITHDRAWAL SET WITH_TIME='7PM' WHERE WITH_ID='4';
Query OK, 1 row affected (0.094 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE WITHDRAWAL SET WITH_TIME='3PM' WHERE WITH_ID='5';
Query OK, 1 row affected (0.062 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE WITHDRAWAL SET WITH_TIME='5PM' WHERE WITH_ID='6';
Query OK, 1 row affected (0.066 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM WITHDRAWAL;
+---------+----------+------------+-----------+---------+
| WITH_ID | WITH_AMT | WITH_DATE  | WITH_TIME | TELL_ID |
+---------+----------+------------+-----------+---------+
|       1 |    12000 | 2016-09-08 | 7AM       |       1 |
|       2 |    15000 | 2011-07-06 | 9AM       |       2 |
|       3 |    20000 | 2017-01-06 | 11AM      |       3 |
|       4 |    30000 | 2018-01-06 | 7PM       |       4 |
|       5 |    42000 | 2016-02-01 | 3PM       |       5 |
|       6 |    25000 | 2019-03-08 | 5PM       |       6 |
+---------+----------+------------+-----------+---------+
6 rows in set (0.000 sec)
```

```
MariaDB [sec_bank]> UPDATE ACCOUNT SET ACC_NAME='LEE' WHERE ACC_ID='2';
Query OK, 1 row affected (0.053 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE ACCOUNT SET ACC_NAME='LORENZO' WHERE ACC_ID='3';
Query OK, 1 row affected (0.060 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE ACCOUNT SET ACC_NAME='FIRMO' WHERE ACC_ID='4';
Query OK, 1 row affected (0.045 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE ACCOUNT SET ACC_NAME='CRUZ' WHERE ACC_ID='5';
Query OK, 1 row affected (0.063 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE ACCOUNT SET ACC_NAME='SARTE' WHERE ACC_ID='6';
Query OK, 1 row affected (0.076 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT * FROM ACCOUNT;
+--------+----------+-------------------+--------+---------+
| ACC_ID | ACC_NAME | ACC_DESC          | CLI_ID | TELL_ID |
+--------+----------+-------------------+--------+---------+
|      1 | MURILLO  | FINANCIAL ACCOUNT |      1 |       1 |
|      2 | LEE      | CHECKING ACCOUNT  |      2 |       2 |
|      3 | LORENZO  | SAVINGS ACCOUNT   |      3 |       3 |
|      4 | FIRMO    | FINANCIAL ACCOUNT |      4 |       4 |
|      5 | CRUZ     | BROKERAGE ACCOUNT |      5 |       5 |
|      6 | SARTE    | SAVINGS ACCOUNT   |      6 |       6 |
+--------+----------+-------------------+--------+---------+
6 rows in set (0.001 sec)
```

```
MariaDB [sec_bank]> UPDATE ACCOUNT SET ACC_NAME='MURILLO' WHERE ACC_ID='1';
Query OK, 1 row affected (0.388 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> select * from account;
+--------+----------+-------------------+--------+---------+
| ACC_ID | ACC_NAME | ACC_DESC          | CLI_ID | TELL_ID |
+--------+----------+-------------------+--------+---------+
|      1 | MURILLO  | FINANCIAL ACCOUNT |      1 |       1 |
|      2 | JOHN     | CHECKING ACCOUNT  |      2 |       2 |
|      3 | BRIAN    | SAVINGS ACCOUNT   |      3 |       3 |
|      4 | CHRIS    | FINANCIAL ACCOUNT |      4 |       4 |
|      5 | ALITA    | BROKERAGE ACCOUNT |      5 |       5 |
|      6 | CLAIRE   | SAVINGS ACCOUNT   |      6 |       6 |
+--------+----------+-------------------+--------+---------+
6 rows in set (0.001 sec)
```

```
MariaDB [sec_bank]> UPDATE FIXED_INCOME_SEC SET FIXED_RATE='40.2' WHERE INV_ID='1';
Query OK, 1 row affected (0.083 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE FIXED_INCOME_SEC SET FIXED_RATE='32.2' WHERE INV_ID='2';
Query OK, 1 row affected (0.085 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE FIXED_INCOME_SEC SET FIXED_RATE='44.5' WHERE INV_ID='3';
Query OK, 1 row affected (0.123 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE FIXED_INCOME_SEC SET FIXED_RATE='60.5' WHERE INV_ID='4';
Query OK, 1 row affected (0.065 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE FIXED_INCOME_SEC SET FIXED_RATE='670.5' WHERE INV_ID='5';
Query OK, 1 row affected (0.053 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE FIXED_INCOME_SEC SET FIXED_RATE='70.5' WHERE INV_ID='5';
Query OK, 1 row affected (0.073 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE FIXED_INCOME_SEC SET FIXED_RATE='10.5' WHERE INV_ID='6';
Query OK, 1 row affected (0.059 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM FIXED_INCOME_SEC;
+------------+-------------------------+------------+--------+
| FIXED_DATE | FIXED_PAYMENT           | FIXED_RATE | INV_ID |
+------------+-------------------------+------------+--------+
| 2018-09-08 | BONDS                   |      40.20 |      1 |
| 2015-01-02 | TREASURY BILLS          |      32.20 |      2 |
| 2018-02-07 | MONEY MARKET            |      44.50 |      3 |
| 2012-02-01 | BONDS                   |      60.50 |      4 |
| 2017-07-05 | TREASURY BILLS          |      70.50 |      5 |
| 2019-01-07 | ASSET BACKED SECURITIES |      10.50 |      6 |
+------------+-------------------------+------------+--------+
6 rows in set (0.000 sec)
```

```
MariaDB [sec_bank]> UPDATE UITF SET UITF_AMT='40000' WHERE INV_ID='1';
Query OK, 1 row affected (0.083 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE UITF SET UITF_AMT='42000' WHERE INV_ID='2';
Query OK, 1 row affected (0.069 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE UITF SET UITF_AMT='52000' WHERE INV_ID='3';
Query OK, 1 row affected (0.122 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE UITF SET UITF_AMT='32000' WHERE INV_ID='4';
Query OK, 1 row affected (0.058 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE UITF SET UITF_AMT='56000' WHERE INV_ID='5';
Query OK, 1 row affected (0.065 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE UITF SET UITF_AMT='6000' WHERE INV_ID='6';
Query OK, 1 row affected (0.081 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM UITF;
+----------+-----------+--------------+--------+
| UITF_AMT | UITF_RATE | UITF_DESC    | INV_ID |
+----------+-----------+--------------+--------+
|    40000 |     40.50 | BOND         |      1 |
|    42000 |     50.00 | STOCK        |      2 |
|    52000 |     30.00 | MONEY MARKET |      3 |
|    32000 |     60.00 | BOND         |      4 |
|    56000 |     20.00 | STOCK        |      5 |
|     6000 |     40.00 | BOND         |      6 |
+----------+-----------+--------------+--------+
6 rows in set (0.000 sec)
```

```
MariaDB [sec_bank]> UPDATE TELLER SET TELL_NAME='MURILLO' WHERE TELL_ID='1';
Query OK, 1 row affected (0.071 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE TELLER SET TELL_NAME='LEE' WHERE TELL_ID='2';
Query OK, 1 row affected (0.081 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE TELLER SET TELL_NAME='LORENZO' WHERE TELL_ID='3';
Query OK, 1 row affected (0.114 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE TELLER SET TELL_NAME='FIRMO' WHERE TELL_ID='4';
Query OK, 1 row affected (0.093 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE TELLER SET TELL_NAME='CRUZ' WHERE TELL_ID='5';
Query OK, 1 row affected (0.080 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE TELLER SET TELL_NAME='SARTE' WHERE TELL_ID='6';
Query OK, 1 row affected (0.084 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM TELLER;
+-----------+--------------+------------------+---------+
| TELL_NAME | TELL_ADDRESS | TELL_DESC        | TELL_ID |
+-----------+--------------+------------------+---------+
| MURILLO   | BULAKAN      | SERVICE PROVIDER |       1 |
| LEE       | PASAY        | SERVICE PROVIDER |       2 |
| LORENZO   | CAVITE       | SERVICE PROVIDER |       3 |
| FIRMO     | MAKATI       | SERVICE PROVIDER |       4 |
| CRUZ      | TAGUIG       | SERVICE PROVIDER |       5 |
| SARTE     | VILLAMOR     | SERVICE PROVIDER |       6 |
+-----------+--------------+------------------+---------+
6 rows in set (0.001 sec)
```

```
MariaDB [sec_bank]> UPDATE SB_CAPITAL_MARKET SET SB_INCOME='12000' WHERE INV_ID='1';
Query OK, 1 row affected (0.075 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE SB_CAPITAL_MARKET SET SB_INCOME='15000' WHERE INV_ID='2';
Query OK, 1 row affected (0.102 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE SB_CAPITAL_MARKET SET SB_INCOME='25000' WHERE INV_ID='3';
Query OK, 1 row affected (0.065 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE SB_CAPITAL_MARKET SET SB_INCOME='65000' WHERE INV_ID='4';
Query OK, 1 row affected (0.075 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE SB_CAPITAL_MARKET SET SB_INCOME='60000' WHERE INV_ID='5';
Query OK, 1 row affected (0.079 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE SB_CAPITAL_MARKET SET SB_INCOME='90000' WHERE INV_ID='6';
Query OK, 0 rows affected (0.000 sec)
Rows matched: 1  Changed: 0  Warnings: 0

MariaDB [sec_bank]> SELECT * FROM SB_CAPITAL_MARKET;
+-----------+---------+--------+
| SB_INCOME | SB_RATE | INV_ID |
+-----------+---------+--------+
|     12000 |   32.40 |      1 |
|     15000 |   42.20 |      2 |
|     25000 |   50.20 |      3 |
|     65000 |   15.70 |      4 |
|     60000 |   55.60 |      5 |
|     90000 |   80.90 |      6 |
+-----------+---------+--------+
6 rows in set (0.000 sec)
```

```
MariaDB [sec_bank]> UPDATE PAYMENTS SET PAY_ADDRESS='LAGUNA' WHERE PAY_CODE='1';
Query OK, 1 row affected (0.076 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE PAYMENTS SET PAY_ADDRESS='BULACAN' WHERE PAY_CODE='2';
Query OK, 1 row affected (0.088 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE PAYMENTS SET PAY_ADDRESS='QUEZON' WHERE PAY_CODE='3';
Query OK, 1 row affected (0.078 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE PAYMENTS SET PAY_ADDRESS='TAGAYTAY' WHERE PAY_CODE='4';
Query OK, 1 row affected (0.087 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE PAYMENTS SET PAY_ADDRESS='RIZAL' WHERE PAY_CODE='5';
Query OK, 1 row affected (0.076 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM PAYMENTS;
+----------------+--------------+----------+
| PAY_TYPE       | PAY_ADDRESS  | PAY_CODE |
+----------------+--------------+----------+
| CASH           | LAGUNA       | 1        |
| DEBIT CARD     | BULACAN      | 2        |
| EWALLETS       | QUEZON       | 3        |
| MOBILE PAYMENT | TAGAYTAY     | 4        |
| CASH           | RIZAL        | 5        |
| PREPAID CARD   | CAVITE       | 6        |
+----------------+--------------+----------+
```

```
MariaDB [sec_bank]> UPDATE PERSONAL SET PERSONAL_NAME='MURILLO' WHERE LOAN_ID='1';
Query OK, 1 row affected (0.068 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE PERSONAL SET PERSONAL_NAME='LEE' WHERE LOAN_ID='2';
Query OK, 1 row affected (0.087 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE PERSONAL SET PERSONAL_NAME='LORENZO' WHERE LOAN_ID='3';
Query OK, 1 row affected (0.097 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE PERSONAL SET PERSONAL_NAME='FIRMO' WHERE LOAN_ID='4';
Query OK, 1 row affected (0.121 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE PERSONAL SET PERSONAL_NAME='CRUZ' WHERE LOAN_ID='5';
Query OK, 1 row affected (0.079 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE PERSONAL SET PERSONAL_NAME='SARTE' WHERE LOAN_ID='6';
Query OK, 1 row affected (0.192 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM PERSONAL;
+------------------+---------------+------------------+---------+
| PERSONAL_ADDRESS | PERSONAL_NAME | PERSONAL_RATINGS | LOAN_ID |
+------------------+---------------+------------------+---------+
| PASAY            | MURILLO       | 5                |       1 |
| LAS PINAS        | LEE           | 5                |       2 |
| MANILA           | LORENZO       | 4                |       3 |
| TAGUIG           | FIRMO         | 2                |       4 |
| MANILA           | CRUZ          | 4                |       5 |
| CAVITE           | SARTE         | 5                |       6 |
+------------------+---------------+------------------+---------+
6 rows in set (0.000 sec)

MariaDB [SEC_BANK]> SELECT * FROM LOAN;
+----------+------------+-------------------+---------+--------+
| LOAN_AMT | LOAN_DATE  | LOAN_TYPE         | LOAN_ID | CLI_ID |
+----------+------------+-------------------+---------+--------+
|   120000 | 2019-08-09 | SECURED LOANS     |       1 |      1 |
|   500000 | 2019-01-03 | UNSECURED LOANS   |       2 |      2 |
|   800000 | 2018-01-03 | INSTALLMENT LOANS |       3 |      3 |
|   250000 | 2018-05-03 | SECURED LOANS     |       4 |      4 |
|   450000 | 2017-08-03 | UNSECURED LOANS   |       5 |      5 |
|   920000 | 2019-01-01 | FIXED RATE LOANS  |       6 |      6 |
+----------+------------+-------------------+---------+--------+
6 rows in set (0.000 sec)
```

```
MariaDB [sec_bank]> UPDATE LOAN SET LOAN_AMT='15000' WHERE LOAN_ID='1';
Query OK, 1 row affected (0.163 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE LOAN SET LOAN_AMT='25000' WHERE LOAN_ID='2';
Query OK, 1 row affected (0.039 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE LOAN SET LOAN_AMT='55000' WHERE LOAN_ID='3';
Query OK, 1 row affected (0.080 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE LOAN SET LOAN_AMT='5000' WHERE LOAN_ID='4';
Query OK, 1 row affected (0.082 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE LOAN SET LOAN_AMT='140000' WHERE LOAN_ID='5';
Query OK, 1 row affected (0.062 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE LOAN SET LOAN_AMT='40000' WHERE LOAN_ID='6';
Query OK, 1 row affected (0.080 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM LOAN;
+----------+------------+-------------------+---------+--------+
| LOAN_AMT | LOAN_DATE  | LOAN_TYPE         | LOAN_ID | CLI_ID |
+----------+------------+-------------------+---------+--------+
|    15000 | 2019-08-09 | SECURED LOANS     |       1 |      1 |
|    25000 | 2019-01-03 | UNSECURED LOANS   |       2 |      2 |
|    55000 | 2018-01-03 | INSTALLMENT LOANS |       3 |      3 |
|     5000 | 2018-05-03 | SECURED LOANS     |       4 |      4 |
|   140000 | 2017-08-03 | UNSECURED LOANS   |       5 |      5 |
|    40000 | 2019-01-01 | FIXED RATE LOANS  |       6 |      6 |
+----------+------------+-------------------+---------+--------+
6 rows in set (0.000 sec)
```

```
MariaDB [sec_bank]> UPDATE INVESTMENT SET INV_AMT='13000' WHERE TELL_ID='1';
Query OK, 1 row affected (0.092 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE INVESTMENT SET INV_AMT='33000' WHERE TELL_ID='2';
Query OK, 1 row affected (0.083 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE INVESTMENT SET INV_AMT='14000' WHERE TELL_ID='3';
Query OK, 1 row affected (0.072 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE INVESTMENT SET INV_AMT='24000' WHERE TELL_ID='4';
Query OK, 1 row affected (0.074 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE INVESTMENT SET INV_AMT='55000' WHERE TELL_ID='5';
Query OK, 1 row affected (0.070 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE INVESTMENT SET INV_AMT='7000' WHERE TELL_ID='6';
Query OK, 1 row affected (0.084 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM INVESTMENTS;
ERROR 1146 (42S02): Table 'sec_bank.investments' doesn't exist
MariaDB [sec_bank]> SELECT*FROM INVESTMENT;
+---------+-------------------+------------+--------+---------+--------+
| INV_AMT | INV_TYPE          | INV_DATE   | CLI_ID | TELL_ID | INV_ID |
+---------+-------------------+------------+--------+---------+--------+
|   13000 | STOCKS            | 2018-05-05 |      1 |       1 |      1 |
|   33000 | INSURANCE         | 2019-07-06 |      2 |       2 |      2 |
|   14000 | ANNUITIES         | 2013-01-06 |      3 |       3 |      3 |
|   24000 | SECURITY FUTURES  | 2015-02-01 |      4 |       4 |      4 |
|   55000 | COMMODITY FUTURES | 2017-03-04 |      5 |       5 |      5 |
|    7000 | STOCKS            | 2018-05-04 |      6 |       6 |      6 |
+---------+-------------------+------------+--------+---------+--------+
6 rows in set (0.000 sec)
```

43

```
MariaDB [sec_bank]> UPDATE DEPOSIT SET DEP_TIME='1PM' WHERE DEP_ID='1';
Query OK, 1 row affected (0.063 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE DEPOSIT SET DEP_TIME='5PM' WHERE DEP_ID='2';
Query OK, 1 row affected (0.080 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE DEPOSIT SET DEP_TIME='7AM' WHERE DEP_ID='3';
Query OK, 1 row affected (0.082 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE DEPOSIT SET DEP_TIME='10AM' WHERE DEP_ID='4';
Query OK, 1 row affected (0.067 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE DEPOSIT SET DEP_TIME='3PM' WHERE DEP_ID='5';
Query OK, 1 row affected (0.104 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE DEPOSIT SET DEP_TIME='6PM' WHERE DEP_ID='6';
Query OK, 1 row affected (0.076 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT * FROM DEPOSIT;
+--------+---------+------------+----------+
| DEP_ID | DEP_AMT | DEP_DATE   | DEP_TIME |
+--------+---------+------------+----------+
|      1 |   15000 | 2017-09-08 | 1PM      |
|      2 |   10000 | 2018-01-08 | 5PM      |
|      3 |   50000 | 2016-03-04 | 7AM      |
|      4 |   20000 | 2019-07-05 | 10AM     |
|      5 |   60000 | 2013-01-06 | 3PM      |
|      6 |   10000 | 2016-06-05 | 6PM      |
+--------+---------+------------+----------+
6 rows in set (0.000 sec)
```

```
MariaDB [sec_bank]> UPDATE CLIENT SET CLI_NAME='MURILLO' WHERE CLI_ID='1';
Query OK, 1 row affected (0.138 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CLIENT SET CLI_NAME='LEE' WHERE CLI_ID='2';
Query OK, 1 row affected (0.067 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CLIENT SET CLI_NAME='LORENZO' WHERE CLI_ID='3';
Query OK, 1 row affected (0.078 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CLIENT SET CLI_NAME='FIRMO' WHERE CLI_ID='4';
Query OK, 1 row affected (0.087 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CLIENT SET CLI_NAME='CRUZ' WHERE CLI_ID='5';
Query OK, 1 row affected (0.055 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CLIENT SET CLI_NAME='SARTE' WHERE CLI_ID='6';
Query OK, 1 row affected (0.092 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM CLIENT;
+----------+-------------+------------------+--------+---------+
| CLI_NAME | CLI_ADDRESS | CLI_DESC         | CLI_ID | TELL_ID |
+----------+-------------+------------------+--------+---------+
| MURILLO  | TAGUIG      | CONSUMER BANKING |      1 |       1 |
| LEE      | TAGUIG      | CONSUMER BANKING |      2 |       2 |
| LORENZO  | PASAY       | CONSUMER BANKING |      3 |       3 |
| FIRMO    | MAKATI      | CONSUMER BANKING |      4 |       4 |
| CRUZ     | QUEZON      | CONSUMER BANKING |      5 |       5 |
| SARTE    | TAGUIG      | CONSUMER BANKING |      6 |       6 |
+----------+-------------+------------------+--------+---------+
6 rows in set (0.001 sec)
```

```
MariaDB [sec_bank]> UPDATE CAR SET CAR_COLOR='GRAY' WHERE LOAN_ID='1';
Query OK, 1 row affected (0.054 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CAR SET CAR_COLOR='PINK' WHERE LOAN_ID='2';
Query OK, 1 row affected (0.102 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CAR SET CAR_COLOR='ORANGE' WHERE LOAN_ID='3';
Query OK, 1 row affected (0.053 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CAR SET CAR_COLOR='GREEN' WHERE LOAN_ID='4';
Query OK, 1 row affected (0.058 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CAR SET CAR_COLOR='PURPLE' WHERE LOAN_ID='5';
Query OK, 1 row affected (0.075 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE CAR SET CAR_COLOR='LIGHT GREEN' WHERE LOAN_ID='6';
Query OK, 1 row affected (0.085 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT*FROM CAR;
+-------------+------------+-----------+---------+
| CAR_COLOR   | CAR_MODEL  | CAR_PLATE | LOAN_ID |
+-------------+------------+-----------+---------+
| GRAY        | HONDA      | KAR123    |       1 |
| PINK        | TOYOTA     | NAK453    |       2 |
| ORANGE      | SUBARU     | SUS920    |       3 |
| GREEN       | HYUNDAI    | EWT264    |       4 |
| PURPLE      | MITSUBISHI | TYO457    |       5 |
| LIGHT GREEN | AUDI       | WUE361    |       6 |
+-------------+------------+-----------+---------+
6 rows in set (0.001 sec)
```

```
MariaDB [sec_bank]> UPDATE BANK SET BANK_ADDRESS='MAKATI' WHERE BANK_ID='1';
Query OK, 1 row affected (0.050 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE BANK SET BANK_ADDRESS='CAVITE' WHERE BANK_ID='2';
Query OK, 1 row affected (0.051 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE BANK SET BANK_ADDRESS='BULACAN' WHERE BANK_ID='3';
Query OK, 1 row affected (0.028 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE BANK SET BANK_ADDRESS='PATEROS' WHERE BANK_ID='4';
Query OK, 1 row affected (0.056 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE BANK SET BANK_ADDRESS='TAGUIG' WHERE BANK_ID='5';
Query OK, 1 row affected (0.071 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> UPDATE BANK SET BANK_ADDRESS='VILLAMOR' WHERE BANK_ID='6';
Query OK, 1 row affected (0.086 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [sec_bank]> SELECT * FROM BANK;
+---------------+--------------+---------+--------+
| BANK_NAME     | BANK_ADDRESS | BANK_ID | CLI_ID |
+---------------+--------------+---------+--------+
| SECURITY BANK | MAKATI       |       1 |      1 |
| SECURITY BANK | CAVITE       |       2 |      2 |
| SECURITY BANK | BULACAN      |       3 |      3 |
| SECURITY BANK | PATEROS      |       4 |      4 |
| SECURITY BANK | TAGUIG       |       5 |      5 |
| SECURITY BANK | VILLAMOR     |       6 |      6 |
+---------------+--------------+---------+--------+
6 rows in set (0.001 sec)
```

```
MariaDB [secur_bank]> INSERT INTO ACCOUNT
    -> VALUES('1','SARTE','CURRENT'),
    -> ('2','MURILLO','SAVINGS'),
    -> ('3','LEE','CURRENT'),
    -> ('4','LORENZO','SAVINGS'),
    -> ('5','FIRMO','FIXED DEPOSIT'),
    -> ('6','CRUZ','RECURRING DEPOSIT');
Query OK, 6 rows affected (0.091 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [secur_bank]> SELECT*FROM ACCOUNT;
+--------+----------+-------------------+
| ACC_ID | ACC_NAME | ACC_DESC          |
+--------+----------+-------------------+
|      1 | SARTE    | CURRENT           |
|      2 | MURILLO  | SAVINGS           |
|      3 | LEE      | CURRENT           |
|      4 | LORENZO  | SAVINGS           |
|      5 | FIRMO    | FIXED DEPOSIT     |
|      6 | CRUZ     | RECURRING DEPOSIT |
+--------+----------+-------------------+
6 rows in set (0.001 sec)

MariaDB [secur_bank]>
```

```
MariaDB [secur_bank]> CREATE TABLE ACCOUNT(
    -> ACC_ID INT NOT NULL PRIMARY KEY,
    -> ACC_NAME VARCHAR(50),
    -> ACC_DESC VARCHAR(50));
Query OK, 0 rows affected (0.336 sec)

MariaDB [secur_bank]> DESCRIBE ACCOUNT;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| ACC_ID   | int(11)     | NO   | PRI | NULL    |       |
| ACC_NAME | varchar(50) | YES  |     | NULL    |       |
| ACC_DESC | varchar(50) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.036 sec)
```

Delete

```
MariaDB [sec_bank]> DELETE FROM WITHDRAWAL WHERE WITH_ID='1';
Query OK, 1 row affected (0.110 sec)

MariaDB [sec_bank]> DELETE FROM WITHDRAWAL WHERE WITH_ID='2';
Query OK, 1 row affected (0.041 sec)

MariaDB [sec_bank]> DELETE FROM WITHDRAWAL WHERE WITH_ID='3';
Query OK, 1 row affected (0.046 sec)

MariaDB [sec_bank]> DELETE FROM WITHDRAWAL WHERE WITH_ID='4';
Query OK, 1 row affected (0.056 sec)

MariaDB [sec_bank]> DELETE FROM WITHDRAWAL WHERE WITH_ID='5';
Query OK, 1 row affected (0.095 sec)

MariaDB [sec_bank]> SELECT*FROM WITHDRAWAL;
+---------+----------+------------+-----------+---------+
| WITH_ID | WITH_AMT | WITH_DATE  | WITH_TIME | TELL_ID |
+---------+----------+------------+-----------+---------+
|       6 |    25000 | 2019-03-08 | 5PM       |       6 |
+---------+----------+------------+-----------+---------+
1 row in set (0.001 sec)
```

```
MariaDB [sec_bank]> DELETE FROM UITF WHERE INV_ID='1';
Query OK, 1 row affected (0.072 sec)

MariaDB [sec_bank]> DELETE FROM UITF WHERE INV_ID='2';
Query OK, 1 row affected (0.061 sec)

MariaDB [sec_bank]> DELETE FROM UITF WHERE INV_ID='3';
Query OK, 1 row affected (0.078 sec)

MariaDB [sec_bank]> DELETE FROM UITF WHERE INV_ID='4';
Query OK, 1 row affected (0.077 sec)

MariaDB [sec_bank]> DELETE FROM UITF WHERE INV_ID='5';
Query OK, 1 row affected (0.043 sec)

MariaDB [sec_bank]> SELECT*FROM UITF;
+----------+-----------+-----------+--------+
| UITF_AMT | UITF_RATE | UITF_DESC | INV_ID |
+----------+-----------+-----------+--------+
|     6000 |     40.00 | BOND      |      6 |
+----------+-----------+-----------+--------+
1 row in set (0.001 sec)
```

```
MariaDB [sec_bank]> DELETE FROM SB_CAPITAL_MARKET WHERE INV_ID='1';
Query OK, 1 row affected (0.079 sec)

MariaDB [sec_bank]> DELETE FROM SB_CAPITAL_MARKET WHERE INV_ID='2';
Query OK, 1 row affected (0.113 sec)

MariaDB [sec_bank]> DELETE FROM SB_CAPITAL_MARKET WHERE INV_ID='3';
Query OK, 1 row affected (0.069 sec)

MariaDB [sec_bank]> DELETE FROM SB_CAPITAL_MARKET WHERE INV_ID='4';
Query OK, 1 row affected (0.078 sec)

MariaDB [sec_bank]> DELETE FROM SB_CAPITAL_MARKET WHERE INV_ID='5';
Query OK, 1 row affected (0.096 sec)

MariaDB [sec_bank]> SELECT * FROM SB_CAPITAL_MARKET;
+-----------+---------+--------+
| SB_INCOME | SB_RATE | INV_ID |
+-----------+---------+--------+
|     90000 |   80.90 |      6 |
+-----------+---------+--------+
1 row in set (0.001 sec)
```

```
MariaDB [sec_bank]> DELETE FROM PERSONAL WHERE LOAN_ID='1';
Query OK, 1 row affected (0.105 sec)

MariaDB [sec_bank]> DELETE FROM PERSONAL WHERE LOAN_ID='2;
    '> ;
    '> C;
    '> ';
Query OK, 1 row affected, 1 warning (0.114 sec)

MariaDB [sec_bank]> SELECT*FROM PERSONAL;
+------------------+---------------+-------------------+---------+
| PERSONAL_ADDRESS | PERSONAL_NAME | PERSONAL_RATINGS  | LOAN_ID |
+------------------+---------------+-------------------+---------+
| MANILA           | LORENZO       | 4                 |       3 |
| TAGUIG           | FIRMO         | 2                 |       4 |
| MANILA           | CRUZ          | 4                 |       5 |
| CAVITE           | SARTE         | 5                 |       6 |
+------------------+---------------+-------------------+---------+
4 rows in set (0.001 sec)

MariaDB [sec_bank]> DELETE FROM PERSONAL WHERE LOAN_ID='3';
Query OK, 1 row affected (0.061 sec)

MariaDB [sec_bank]> DELETE FROM PERSONAL WHERE LOAN_ID='4';
Query OK, 1 row affected (0.084 sec)

MariaDB [sec_bank]> DELETE FROM PERSONAL WHERE LOAN_ID='5';
Query OK, 1 row affected (0.071 sec)

MariaDB [sec_bank]> SELECT*FROM PERSONAL;
+------------------+---------------+-------------------+---------+
| PERSONAL_ADDRESS | PERSONAL_NAME | PERSONAL_RATINGS  | LOAN_ID |
+------------------+---------------+-------------------+---------+
| CAVITE           | SARTE         | 5                 |       6 |
+------------------+---------------+-------------------+---------+
1 row in set (0.002 sec)
```

```
MariaDB [sec_bank]> DELETE FROM LOAN WHERE LOAN_ID ='1';
Query OK, 1 row affected (0.082 sec)

MariaDB [sec_bank]> DELETE FROM LOAN WHERE LOAN_ID ='2';
Query OK, 1 row affected (0.077 sec)

MariaDB [sec_bank]> DELETE FROM LOAN WHERE LOAN_ID ='3';
Query OK, 1 row affected (0.085 sec)

MariaDB [sec_bank]> DELETE FROM LOAN WHERE LOAN_ID ='4';
Query OK, 1 row affected (0.059 sec)

MariaDB [sec_bank]> DELETE FROM LOAN WHERE LOAN_ID ='5';
Query OK, 1 row affected (0.070 sec)

MariaDB [sec_bank]> SELECT*FROM LOAN;
+----------+------------+------------------+---------+--------+
| LOAN_AMT | LOAN_DATE  | LOAN_TYPE        | LOAN_ID | CLI_ID |
+----------+------------+------------------+---------+--------+
|    40000 | 2019-01-01 | FIXED RATE LOANS |       6 |      6 |
+----------+------------+------------------+---------+--------+
1 row in set (0.000 sec)
```

```
MariaDB [sec_bank]> DELETE FROM INVESTMENT WHERE INV_AMT='13000';
Query OK, 1 row affected (0.184 sec)

MariaDB [sec_bank]> DELETE FROM INVESTMENT WHERE INV_AMT='33000';
Query OK, 1 row affected (0.057 sec)

MariaDB [sec_bank]> DELETE FROM INVESTMENT WHERE INV_AMT='14000';
Query OK, 1 row affected (0.078 sec)

MariaDB [sec_bank]> DELETE FROM INVESTMENT WHERE INV_AMT='24000';
Query OK, 1 row affected (0.067 sec)

MariaDB [sec_bank]> DELETE FROM INVESTMENT WHERE INV_AMT='7000';
Query OK, 1 row affected (0.059 sec)

MariaDB [sec_bank]> SELECT*FROM INVESTMENT;
+---------+-------------------+------------+--------+---------+--------+
| INV_AMT | INV_TYPE          | INV_DATE   | CLI_ID | TELL_ID | INV_ID |
+---------+-------------------+------------+--------+---------+--------+
|   55000 | COMMODITY FUTURES | 2017-03-04 |      5 |       5 |      5 |
+---------+-------------------+------------+--------+---------+--------+
1 row in set (0.000 sec)
```

```
MariaDB [sec_bank]> DELETE FROM HOMES WHERE HOME_BUILDING='A1';
Query OK, 1 row affected (0.064 sec)

MariaDB [sec_bank]> DELETE FROM HOMES WHERE HOME_BUILDING='B1';
Query OK, 1 row affected (0.061 sec)

MariaDB [sec_bank]> DELETE FROM HOMES WHERE HOME_BUILDING='D1';
Query OK, 1 row affected (0.106 sec)

MariaDB [sec_bank]> DELETE FROM HOMES WHERE HOME_BUILDING='H2';
Query OK, 1 row affected (0.098 sec)

MariaDB [sec_bank]> DELETE FROM HOMES WHERE HOME_BUILDING='L6';
Query OK, 1 row affected (0.087 sec)

MariaDB [sec_bank]> SELECT*FROM HOMES;
+--------------+-------------+---------------+
| HOME_ADDRESS | HOME_COLOR  | HOME_BUILDING |
+--------------+-------------+---------------+
| METRO MANILA | WHITE       | P9            |
+--------------+-------------+---------------+
1 row in set (0.001 sec)
```

```
MariaDB [sec_bank]> DELETE FROM PAYMENTS WHERE PAY_CODE='1';
Query OK, 1 row affected (0.081 sec)

MariaDB [sec_bank]> DELETE FROM PAYMENTS WHERE PAY_CODE='2';
Query OK, 1 row affected (0.066 sec)

MariaDB [sec_bank]> DELETE FROM PAYMENTS WHERE PAY_CODE='3';
Query OK, 1 row affected (0.045 sec)

MariaDB [sec_bank]> DELETE FROM PAYMENTS WHERE PAY_CODE='4';
Query OK, 1 row affected (0.088 sec)

MariaDB [sec_bank]> DELETE FROM PAYMENTS WHERE PAY_CODE='5';
Query OK, 1 row affected (0.055 sec)

MariaDB [sec_bank]> SELECT*FROM PAYMENTS;
+--------------+-------------+----------+
| PAY_TYPE     | PAY_ADDRESS | PAY_CODE |
+--------------+-------------+----------+
| PREPAID CARD | CAVITE      | 6        |
+--------------+-------------+----------+
1 row in set (0.000 sec)
```

```
MariaDB [sec_bank]> DELETE FROM FIXED_INCOME_SEC WHERE INV_ID='1';
Query OK, 1 row affected (0.112 sec)

MariaDB [sec_bank]> DELETE FROM FIXED_INCOME_SEC WHERE INV_ID='2';
Query OK, 1 row affected (0.073 sec)

MariaDB [sec_bank]> DELETE FROM FIXED_INCOME_SEC WHERE INV_ID='3';
Query OK, 1 row affected (0.084 sec)

MariaDB [sec_bank]> DELETE FROM FIXED_INCOME_SEC WHERE INV_ID='4';
Query OK, 1 row affected (0.076 sec)

MariaDB [sec_bank]> DELETE FROM FIXED_INCOME_SEC WHERE INV_ID='5';
Query OK, 1 row affected (0.051 sec)

MariaDB [sec_bank]> SELECT * FROM FIXED_INCOME_SEC;
+------------+-------------------------+------------+--------+
| FIXED_DATE | FIXED_PAYMENT           | FIXED_RATE | INV_ID |
+------------+-------------------------+------------+--------+
| 2019-01-07 | ASSET BACKED SECURITIES |      10.50 |      6 |
+------------+-------------------------+------------+--------+
1 row in set (0.001 sec)
```

```
MariaDB [sec_bank]> DELETE FROM DEPOSIT WHERE DEP_ID='1';
Query OK, 1 row affected (0.054 sec)

MariaDB [sec_bank]> DELETE FROM DEPOSIT WHERE DEP_ID='2';
Query OK, 1 row affected (0.074 sec)

MariaDB [sec_bank]> DELETE FROM DEPOSIT WHERE DEP_ID='3';
Query OK, 1 row affected (0.069 sec)

MariaDB [sec_bank]> DELETE FROM DEPOSIT WHERE DEP_ID='4';
Query OK, 1 row affected (0.100 sec)

MariaDB [sec_bank]> DELETE FROM DEPOSIT WHERE DEP_ID='5';
Query OK, 1 row affected (0.044 sec)

MariaDB [sec_bank]> SELECT*FROM DEPOSIT;
+--------+---------+------------+----------+
| DEP_ID | DEP_AMT | DEP_DATE   | DEP_TIME |
+--------+---------+------------+----------+
|      6 |   10000 | 2016-06-05 | 6PM      |
+--------+---------+------------+----------+
1 row in set (0.001 sec)
```

```
MariaDB [sec_bank]> DELETE FROM CAR WHERE LOAN_ID='1';
Query OK, 1 row affected (0.115 sec)

MariaDB [sec_bank]> DELETE FROM CAR WHERE LOAN_ID='2';
Query OK, 1 row affected (0.058 sec)

MariaDB [sec_bank]> DELETE FROM CAR WHERE LOAN_ID='3';
Query OK, 1 row affected (0.073 sec)

MariaDB [sec_bank]> DELETE FROM CAR WHERE LOAN_ID='4';
Query OK, 1 row affected (0.064 sec)

MariaDB [sec_bank]> DELETE FROM CAR WHERE LOAN_ID='5';
Query OK, 1 row affected (0.057 sec)

MariaDB [sec_bank]> SELECT*FROM CAR;
+-------------+-----------+-----------+---------+
| CAR_COLOR   | CAR_MODEL | CAR_PLATE | LOAN_ID |
+-------------+-----------+-----------+---------+
| LIGHT GREEN | AUDI      | WUE361    |       6 |
+-------------+-----------+-----------+---------+
1 row in set (0.000 sec)
```

```
MariaDB [sec_bank]> DELETE FROM BANK WHERE BANK_ID='1';
Query OK, 1 row affected (0.139 sec)

MariaDB [sec_bank]> DELETE FROM BANK WHERE BANK_ID='2';
Query OK, 1 row affected (0.039 sec)

MariaDB [sec_bank]> DELETE FROM BANK WHERE BANK_ID='3';
Query OK, 1 row affected (0.071 sec)

MariaDB [sec_bank]> DELETE FROM BANK WHERE BANK_ID='4';
Query OK, 1 row affected (0.063 sec)

MariaDB [sec_bank]> DELETE FROM BANK WHERE BANK_ID='5';
Query OK, 1 row affected (0.075 sec)

MariaDB [sec_bank]> SELECT*FROM BANK;
+---------------+--------------+---------+--------+
| BANK_NAME     | BANK_ADDRESS | BANK_ID | CLI_ID |
+---------------+--------------+---------+--------+
| SECURITY BANK | VILLAMOR     |       6 |      6 |
+---------------+--------------+---------+--------+
1 row in set (0.000 sec)
```
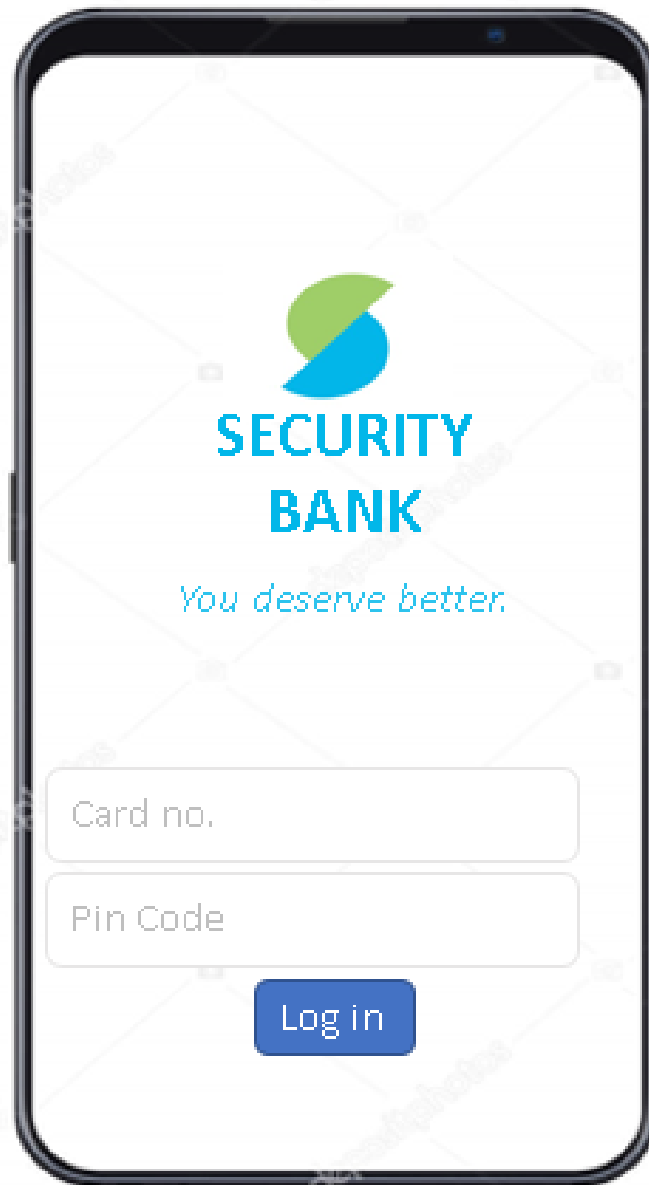
```
MariaDB [sec_bank]> DELETE FROM ACCOUNT WHERE ACC_ID='1';
Query OK, 1 row affected (0.139 sec)

MariaDB [sec_bank]> SELECT*FROM ACCOUNT;
+--------+----------+-------------------+--------+---------+
| ACC_ID | ACC_NAME | ACC_DESC          | CLI_ID | TELL_ID |
+--------+----------+-------------------+--------+---------+
|      2 | LEE      | CHECKING ACCOUNT  |      2 |       2 |
|      3 | LORENZO  | SAVINGS ACCOUNT   |      3 |       3 |
|      4 | FIRMO    | FINANCIAL ACCOUNT |      4 |       4 |
|      5 | CRUZ     | BROKERAGE ACCOUNT |      5 |       5 |
|      6 | SARTE    | SAVINGS ACCOUNT   |      6 |       6 |
+--------+----------+-------------------+--------+---------+
5 rows in set (0.000 sec)

MariaDB [sec_bank]> DELETE FROM ACCOUNT WHERE ACC_ID='2';
Query OK, 1 row affected (0.087 sec)

MariaDB [sec_bank]> DELETE FROM ACCOUNT WHERE ACC_ID='3';
Query OK, 1 row affected (0.060 sec)

MariaDB [sec_bank]> DELETE FROM ACCOUNT WHERE ACC_ID='5';
Query OK, 1 row affected (0.120 sec)

MariaDB [sec_bank]> DELETE FROM ACCOUNT WHERE ACC_ID='6';
Query OK, 1 row affected (0.071 sec)

MariaDB [sec_bank]> SELECT*FROM ACCOUNT;
+--------+----------+-------------------+--------+---------+
| ACC_ID | ACC_NAME | ACC_DESC          | CLI_ID | TELL_ID |
+--------+----------+-------------------+--------+---------+
|      4 | FIRMO    | FINANCIAL ACCOUNT |      4 |       4 |
+--------+----------+-------------------+--------+---------+
1 row in set (0.001 sec)
```

Screen Design for the System Prototype

Security Bank mobile app interface

Online Payment

Locate SBC
Branches & ATM's

Appendices

Interview

REFERENCES (APA format)

Introduction Reference:
https://www.securitybank.com/about-us/business-profile/