***DATA BASE ASSESSMENT***

CREATE TABLE BANK(Branch\_id INT PRIMARY KEY NOT NULL, Branch\_Name VARCHAR(20), Branch\_City VARCHAR(20));

INSERT INTO Bank(Branch\_id, Branch\_Name, Branch\_City) VALUES

(1, 'Main Branch', 'New York'),

(2, 'Downtown Branch', 'Los Angeles');

CREATE TABLE ACCOUNT\_HOLDER(Account\_Holder\_id INT PRIMARY KEY NOT NULL, Account\_NO BIGINT UNIQUE, Account\_Holder\_Name VARCHAR(20), CITY VARCHAR(20), Contact BIGINT, Date\_of\_account\_Created DATE, Account\_Status VARCHAR(20), Account\_type VARCHAR(20), Balance INT);

INSERT INTO Account\_Holder(Account\_Holder\_id, Account\_NO, Account\_Holder\_Name, CITY, Contact, Date\_of\_account\_Created, Account\_Status, Account\_type, Balance) VALUES

(1001, 5469872654, 'John Doe', 'New York', 1234567890, '2023-01-15', 'Active', 'Savings', 10000),

(1002, 4568745645, 'Jane Smith', 'Los Angeles', 9876543210, '2023-02-20', 'Active', 'Checking', 7500);

CREATE TABLE LOAN(Loan\_NO BIGINT PRIMARY KEY NOT NULL, Branch\_id INT, Account\_holder\_ID INT, Loan\_Amount INT, Loan\_Type VARCHAR(20), FOREIGN KEY (Branch\_id) REFERENCES BANK(Branch\_id), FOREIGN KEY (Account\_holder\_ID) REFERENCES account\_holder(Account\_Holder\_id));

INSERT INTO Loan(Loan\_NO, Branch\_id, Account\_holder\_ID, Loan\_Amount, Loan\_Type) VALUES

(101, 1, 1001, 5000, "Personal Loan"),

(102, 2, 1002, 8000, "Home Loan");

UPDATE account\_holder

SET Balance = Balance - 100

WHERE account\_holder\_id = 1001;

UPDATE account\_holder

SET Balance = Balance + 100

WHERE account\_holder\_id = 1002;

SELECT \* FROM Account\_Holder WHERE city = 'New York';

SELECT Account\_Holder\_id, account\_holder\_name

FROM account\_holder

WHERE DAY(Date\_of\_account\_Created) > 15;

SELECT branch\_city, COUNT(Branch\_City) AS Count\_Branch

FROM Bank

GROUP BY branch\_city;

SELECT account\_holder.account\_holder\_id, account\_holder.account\_holder\_name, loan.branch\_id, loan.loan\_amount

FROM account\_holder

JOIN Loan ON account\_holder.account\_holder\_id = loan.account\_holder\_id;