-- CREATE BRANCH TABLE

CREATE TABLE BRANCH (

BRANCH\_CODE VARCHAR(10) PRIMARY KEY,

BRANCH\_NAME VARCHAR(50) NOT NULL,

BRANCH\_CITY VARCHAR(20) CHECK (BRANCH\_CITY IN ('DELHI', 'MUMBAI', 'KOLKATA', 'CHENNAI'))

);

-- CREATE CUSTOMER TABLE

CREATE TABLE CUSTOMER (

CUST\_NO VARCHAR(5) PRIMARY KEY CHECK (CUST\_NO LIKE 'C\_\_\_\_'),

NAME VARCHAR(50) NOT NULL,

PHONE\_NO VARCHAR(15),

CITY VARCHAR(30) NOT NULL

);

-- CREATE ACCOUNT TABLE

CREATE TABLE ACCOUNT (

ACCOUNT\_NO VARCHAR(5) PRIMARY KEY CHECK (ACCOUNT\_NO LIKE 'A\_\_\_\_'),

TYPE VARCHAR(2) CHECK (TYPE IN ('SB', 'FD', 'CA')),

BALANCE INT CHECK (BALANCE < 10000000),

BRANCH\_CODE VARCHAR(10),

FOREIGN KEY (BRANCH\_CODE) REFERENCES BRANCH(BRANCH\_CODE)

);

-- CREATE DEPOSITOR TABLE

CREATE TABLE DEPOSITOR (

CUST\_NO VARCHAR(5),

ACCOUNT\_NO VARCHAR(5),

PRIMARY KEY (CUST\_NO, ACCOUNT\_NO),

FOREIGN KEY (CUST\_NO) REFERENCES CUSTOMER(CUST\_NO),

FOREIGN KEY (ACCOUNT\_NO) REFERENCES ACCOUNT(ACCOUNT\_NO)

);

-- CREATE LOAN TABLE

CREATE TABLE LOAN (

LOAN\_NO VARCHAR(5) PRIMARY KEY CHECK (LOAN\_NO LIKE 'L\_\_\_\_'),

CUST\_NO VARCHAR(5),

AMOUNT INT CHECK (AMOUNT > 1000),

BRANCH\_CODE VARCHAR(10),

FOREIGN KEY (CUST\_NO) REFERENCES CUSTOMER(CUST\_NO),

FOREIGN KEY (BRANCH\_CODE) REFERENCES BRANCH(BRANCH\_CODE)

);

-- CREATE INSTALLMENT TABLE

CREATE TABLE INSTALLMENT (

INST\_NO INT CHECK (INST\_NO <= 10),

LOAN\_NO VARCHAR(5),

INST\_AMOUNT INT NOT NULL,

PRIMARY KEY (INST\_NO, LOAN\_NO),

FOREIGN KEY (LOAN\_NO) REFERENCES LOAN(LOAN\_NO)

);

-- Insertion into BRANCH

INSERT INTO BRANCH VALUES ('B001', 'JANAKPURI BRANCH', 'DELHI');

INSERT INTO BRANCH VALUES ('B002', 'CHANDNICHOWK BRANCH', 'DELHI');

INSERT INTO BRANCH VALUES ('B003', 'JUHU BRANCH', 'MUMBAI');

INSERT INTO BRANCH VALUES ('B004', 'ANDHERI BRANCH', 'MUMBAI');

INSERT INTO BRANCH VALUES ('B005', 'SALTLAKE BRANCH', 'KOLKATA');

INSERT INTO BRANCH VALUES ('B006', 'SRIRAMPURAM BRANCH', 'CHENNAI');

-- Insertion into CUSTOMER

INSERT INTO CUSTOMER VALUES ('C0001', 'RAJ ANAND SINGH', '9861258466', 'DELHI');

INSERT INTO CUSTOMER VALUES ('C0002', 'ANKITA SINGH', '9879958651', 'BANGALORE');

INSERT INTO CUSTOMER VALUES ('C0003', 'SOUMYA JHA', '9885623344', 'MUMBAI');

INSERT INTO CUSTOMER VALUES ('C0004', 'ABHIJIT MISHRA', '9455845425', 'MUMBAI');

INSERT INTO CUSTOMER VALUES ('C0005', 'YASH SARAF', '9665854585', 'KOLKATA');

INSERT INTO CUSTOMER VALUES ('C0006', 'SWAROOP RAY', '9437855466', 'CHENNAI');

INSERT INTO CUSTOMER VALUES ('C0007', 'SURYA NARAYAN PRADHAN', '9937955212', 'GURGAON');

INSERT INTO CUSTOMER VALUES ('C0008', 'PRANAV PRAVEEN', '9336652441', 'PUNE');

INSERT INTO CUSTOMER VALUES ('C0009', 'STUTI MISRA', '7870266534', 'DELHI');

INSERT INTO CUSTOMER VALUES ('C0010', 'ASLESHA TIWARI', NULL, 'MUMBAI');

-- Insertion into ACCOUNT

INSERT INTO ACCOUNT VALUES ('A0001', 'SB', 200000, 'B003');

INSERT INTO ACCOUNT VALUES ('A0002', 'SB', 15000, 'B002');

INSERT INTO ACCOUNT VALUES ('A0003', 'CA', 850000, 'B004');

INSERT INTO ACCOUNT VALUES ('A0004', 'CA', 35000, 'B004');

INSERT INTO ACCOUNT VALUES ('A0005', 'FD', 28500, 'B005');

INSERT INTO ACCOUNT VALUES ('A0006', 'FD', 550000, 'B005');

INSERT INTO ACCOUNT VALUES ('A0007', 'SB', 48000, 'B001');

INSERT INTO ACCOUNT VALUES ('A0008', 'SB', 7200, 'B002');

INSERT INTO ACCOUNT VALUES ('A0009', 'SB', 18750, 'B003');

INSERT INTO ACCOUNT VALUES ('A0010', 'FD', 99000, 'B004');

-- Insertion into DEPOSITOR

INSERT INTO DEPOSITOR VALUES ('C0003', 'A0001');

INSERT INTO DEPOSITOR VALUES ('C0004', 'A0001');

INSERT INTO DEPOSITOR VALUES ('C0004', 'A0002');

INSERT INTO DEPOSITOR VALUES ('C0006', 'A0003');

INSERT INTO DEPOSITOR VALUES ('C0006', 'A0004');

INSERT INTO DEPOSITOR VALUES ('C0001', 'A0005');

INSERT INTO DEPOSITOR VALUES ('C0002', 'A0005');

INSERT INTO DEPOSITOR VALUES ('C0010', 'A0006');

INSERT INTO DEPOSITOR VALUES ('C0009', 'A0007');

INSERT INTO DEPOSITOR VALUES ('C0008', 'A0008');

INSERT INTO DEPOSITOR VALUES ('C0007', 'A0009');

INSERT INTO DEPOSITOR VALUES ('C0006', 'A0010');

-- Insertion into LOAN

INSERT INTO LOAN VALUES ('L0001', 'C0005', 3000000, 'B006');

INSERT INTO LOAN VALUES ('L0002', 'C0001', 50000, 'B005');

INSERT INTO LOAN VALUES ('L0003', 'C0002', 8000000, 'B004');

INSERT INTO LOAN VALUES ('L0004', 'C0010', 100000, 'B004');

INSERT INTO LOAN VALUES ('L0005', 'C0009', 9500000, 'B005');

INSERT INTO LOAN VALUES ('L0006', 'C0008', 25000, 'B006');

-- Insertion into INSTALLMENT

INSERT INTO INSTALLMENT VALUES (1, 'L0005', 500000);

INSERT INTO INSTALLMENT VALUES (1, 'L0002', 10000);

INSERT INTO INSTALLMENT VALUES (1, 'L0003', 50000);

INSERT INTO INSTALLMENT VALUES (1, 'L0004', 20000);

INSERT INTO INSTALLMENT VALUES (2, 'L0005', 500000);

INSERT INTO INSTALLMENT VALUES (1, 'L0006', 3000);

INSERT INTO INSTALLMENT VALUES (2, 'L0002', 10000);

INSERT INTO INSTALLMENT VALUES (3, 'L0002', 10000);

INSERT INTO INSTALLMENT VALUES (2, 'L0003', 50000);

INSERT INTO INSTALLMENT VALUES (2, 'L0004', 20000);

COMMIT;