CREATE TABLE branch(

branch\_name varchar(20),

branch\_city varchar(20),

assets float(10, 2),

PRIMARY KEY (branch\_name)

);

CREATE TABLE customer(

customer\_name varchar(20),

customer\_street varchar(20),

customer\_city varchar(20),

PRIMARY KEY (customer\_name)

);

CREATE TABLE account(

account\_no int(10),

branch\_name varchar(20),

balance float(10,2),

PRIMARY KEY (account\_no),

FOREIGN KEY(branch\_name) REFERENCES branch(branch\_name)

);

CREATE TABLE loan(

loan\_no int(10),

branch\_name varchar(20),

amount float(10,2),

PRIMARY KEY (loan\_no),

FOREIGN KEY(branch\_name) REFERENCES branch(branch\_name)

);

CREATE TABLE depositor(

customer\_name varchar(20),

account\_no int(10),

FOREIGN KEY(account\_no) REFERENCES account(account\_no),

FOREIGN KEY(customer\_name) REFERENCES customer(customer\_name)

);

CREATE TABLE borrower(

customer\_name varchar(20),

loan\_no int(10),

FOREIGN KEY(loan\_no) REFERENCES loan(loan\_no),

FOREIGN KEY(customer\_name) REFERENCES customer(customer\_name)

);

# Adding enteries

INSERT INTO branch

values('SBI', 'IIT PATNA', 2000.02)

('ABC', 'BIHTA', 20120.23),

('PNB', 'HISAR', 28930.45),

('BCD', 'DELHI', 24689.4),

('SBII', 'MUMBAI', 23880.3),

('SB', 'BANGALORE', 2840),

('SBID', 'HYDERABAD', 2800.45),

('SBIA', 'CHENNAI', 3384.56),

('SBIX', 'NOIDA', 94387.67),

('SBIY', 'PUNE', 23874.56);

INSERT INTO account

values(12341, 'SBI', 27832.21),

(12342, 'ABC', 72783.11),

(12343, 'PNB', 37832.81),

(12344, 'BCD', 27852.01),

(12345, 'SBII', 27432.05),

(12346, 'SB', 278356.34),

(12347, 'SBID', 272232.70),

(12348, 'SBIA', 278221.40),

(12349, 'SBIX', 27823.5),

(12340, 'SBIY', 27811.2);

INSERT INTO customer

values('Diksha', 'Sunder Nagar', 'Hisar'),

('Divya', 'Banaras', 'UP'),

('Divyanshu', 'Gurgaon', 'Haryana'),

('Rahul', 'ABC', 'Jalandhar'),

('Swadha', 'Varanasi', 'UP'),

('Diksha Bansal', 'Sunder Nagar', 'Hisar'),

('Divya Verma', 'Banaras', 'UP'),

('Divyanshu N Singh', 'Gurgaon', 'Haryana'),

('Rahul Grover', 'ABC', 'Jalandhar'),

('Swadha Pandey', 'Varanasi', 'UP');

INSERT INTO loan

values(112341, 'SBI', 127832.21),

(112342, 'ABC', 172783.11),

(112343, 'PNB', 137832.81),

(112344, 'BCD', 127852.01),

(112345, 'SBII', 127432.05),

(112346, 'SB', 1278356.34),

(112347, 'SBID', 1272232.70),

(112348, 'SBIA', 1278221.40),

(112349, 'SBIX', 127823.5),

(112340, 'SBIY', 127811.2);

INSERT INTO depositor

values('Diksha' ,12341),

('Diksha Bansal' ,12342),

('Divyanshu' ,12343),

('Divyanshu N Singh' ,12344),

('Divya' ,12345),

('Divya Verma' ,12346),

('Swadha' ,12347),

('Swadha Pandey' ,12348),

('Rahul' ,12349),

('Rahul Grover' ,12340);

INSERT INTO borrower

values('Diksha' ,112341),

('Diksha Bansal' ,112342),

('Divyanshu' ,112343),

('Divyanshu N Singh' ,112344),

('Divya' ,112345),

('Divya Verma' ,112346),

('Swadha' ,112347),

('Swadha Pandey' ,112348),

('Rahul' ,112349),

('Rahul Grover' ,112340);

# Adding invalid enteries

# 1. Out of range value for column

INSERT INTO branch

values('SBAI', 'Hisar', 123456789123.12);

INSERT INTO customer

values('Diksha', 'Sunder Nagar, Near New Grain Market, Sirsa Road', 'Hisar');

# 2. Duplicate entry for key 'PRIMARY'

INSERT INTO branch

values('SBI', 'IIT Patna, Bihta', 2000.02);

INSERT INTO loan

values(112341, 'SBIA', 1227832.21);

# 3. Cannot add or update a child row: a foreign key constraint fails

INSERT INTO account

values(123412, 'SBAI', 27832.21);

INSERT INTO borrower

values('DikshaB' ,112341);

INSERT INTO depositor

values('DikshaB' ,12341);