CREATE DATABASE eazybank;

\c eazybank;

DROP TABLE IF EXISTS users CASCADE;

DROP TABLE IF EXISTS authorities CASCADE;

DROP TABLE IF EXISTS customer CASCADE;

CREATE TABLE customer (

customer\_id SERIAL PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) NOT NULL,

mobile\_number VARCHAR(20) NOT NULL,

pwd VARCHAR(500) NOT NULL,

role VARCHAR(100) NOT NULL,

create\_dt DATE DEFAULT NULL

);

INSERT INTO customer (name, email, mobile\_number, pwd, role, create\_dt)

VALUES ('Happy', 'happy@example.com', '9876548337', '$2y$12$oRRbkNfwuR8ug4MlzH5FOeui.//1mkd.RsOAJMbykTSupVy.x/vb2', 'admin', CURRENT\_DATE);

CREATE TABLE accounts (

customer\_id INT NOT NULL,

account\_number SERIAL PRIMARY KEY,

account\_type VARCHAR(100) NOT NULL,

branch\_address VARCHAR(200) NOT NULL,

create\_dt DATE DEFAULT NULL,

CONSTRAINT fk\_customer FOREIGN KEY (customer\_id) REFERENCES customer (customer\_id) ON DELETE CASCADE

);

INSERT INTO accounts (customer\_id, account\_number, account\_type, branch\_address, create\_dt)

VALUES (1, 1865764534, 'Savings', '123 Main Street, New York', CURRENT\_DATE);

CREATE TABLE account\_transactions (

transaction\_id UUID PRIMARY KEY,

account\_number INT NOT NULL,

customer\_id INT NOT NULL,

transaction\_dt DATE NOT NULL,

transaction\_summary VARCHAR(200) NOT NULL,

transaction\_type VARCHAR(100) NOT NULL,

transaction\_amt INT NOT NULL,

closing\_balance INT NOT NULL,

create\_dt DATE DEFAULT NULL,

CONSTRAINT fk\_account FOREIGN KEY (account\_number) REFERENCES accounts (account\_number) ON DELETE CASCADE,

CONSTRAINT fk\_customer\_transaction FOREIGN KEY (customer\_id) REFERENCES customer (customer\_id) ON DELETE CASCADE

);

INSERT INTO account\_transactions (transaction\_id, account\_number, customer\_id, transaction\_dt, transaction\_summary, transaction\_type, transaction\_amt, closing\_balance, create\_dt)

VALUES (UUID\_GENERATE\_V4(), 1865764534, 1, CURRENT\_DATE - INTERVAL '7 days', 'Coffee Shop', 'Withdrawal', 30, 34500, CURRENT\_DATE - INTERVAL '7 days');

-- Continue with other inserts for account\_transactions

CREATE TABLE loans (

loan\_number SERIAL PRIMARY KEY,

customer\_id INT NOT NULL,

start\_dt DATE NOT NULL,

loan\_type VARCHAR(100) NOT NULL,

total\_loan INT NOT NULL,

amount\_paid INT NOT NULL,

outstanding\_amount INT NOT NULL,

create\_dt DATE DEFAULT NULL,

CONSTRAINT fk\_loan\_customer FOREIGN KEY (customer\_id) REFERENCES customer (customer\_id) ON DELETE CASCADE

);

-- Continue with inserts for loans

CREATE TABLE cards (

card\_id SERIAL PRIMARY KEY,

card\_number VARCHAR(100) NOT NULL,

customer\_id INT NOT NULL,

card\_type VARCHAR(100) NOT NULL,

total\_limit INT NOT NULL,

amount\_used INT NOT NULL,

available\_amount INT NOT NULL,

create\_dt DATE DEFAULT NULL,

CONSTRAINT fk\_card\_customer FOREIGN KEY (customer\_id) REFERENCES customer (customer\_id) ON DELETE CASCADE

);

-- Continue with inserts for cards

CREATE TABLE notice\_details (

notice\_id SERIAL PRIMARY KEY,

notice\_summary VARCHAR(200) NOT NULL,

notice\_details VARCHAR(500) NOT NULL,

notic\_beg\_dt DATE NOT NULL,

notic\_end\_dt DATE DEFAULT NULL,

create\_dt DATE DEFAULT NULL,

update\_dt DATE DEFAULT NULL

);

-- Continue with inserts for notice\_details

CREATE TABLE contact\_messages (

contact\_id VARCHAR(50) PRIMARY KEY,

contact\_name VARCHAR(50) NOT NULL,

contact\_email VARCHAR(100) NOT NULL,

subject VARCHAR(500) NOT NULL,

message VARCHAR(2000) NOT NULL,

create\_dt DATE DEFAULT NULL

);

CREATE TABLE authorities (

id SERIAL PRIMARY KEY,

customer\_id INT NOT NULL,

name VARCHAR(50) NOT NULL,

CONSTRAINT fk\_authorities\_customer FOREIGN KEY (customer\_id) REFERENCES customer (customer\_id) ON DELETE CASCADE

);

-- Continue with inserts for authorities

-- Inserts for account\_transactions

INSERT INTO account\_transactions (transaction\_id, account\_number, customer\_id, transaction\_dt, transaction\_summary, transaction\_type, transaction\_amt, closing\_balance, create\_dt)

VALUES

(UUID\_GENERATE\_V4(), 1865764534, 1, CURRENT\_DATE - INTERVAL '6 days', 'Uber', 'Withdrawal', 100, 34400, CURRENT\_DATE - INTERVAL '6 days'),

(UUID\_GENERATE\_V4(), 1865764534, 1, CURRENT\_DATE - INTERVAL '5 days', 'Self Deposit', 'Deposit', 500, 34900, CURRENT\_DATE - INTERVAL '5 days'),

(UUID\_GENERATE\_V4(), 1865764534, 1, CURRENT\_DATE - INTERVAL '4 days', 'Ebay', 'Withdrawal', 600, 34300, CURRENT\_DATE - INTERVAL '4 days'),

(UUID\_GENERATE\_V4(), 1865764534, 1, CURRENT\_DATE - INTERVAL '2 days', 'OnlineTransfer', 'Deposit', 700, 35000, CURRENT\_DATE - INTERVAL '2 days'),

(UUID\_GENERATE\_V4(), 1865764534, 1, CURRENT\_DATE - INTERVAL '1 day', 'Amazon.com', 'Withdrawal', 100, 34900, CURRENT\_DATE - INTERVAL '1 day');

-- Inserts for loans

INSERT INTO loans (customer\_id, start\_dt, loan\_type, total\_loan, amount\_paid, outstanding\_amount, create\_dt)

VALUES

(1, '2020-10-13', 'Home', 200000, 50000, 150000, '2020-10-13'),

(1, '2020-06-06', 'Vehicle', 40000, 10000, 30000, '2020-06-06'),

(1, '2018-02-14', 'Home', 50000, 10000, 40000, '2018-02-14'),

(1, '2018-02-14', 'Personal', 10000, 3500, 6500, '2018-02-14');

-- Inserts for cards

INSERT INTO cards (card\_number, customer\_id, card\_type, total\_limit, amount\_used, available\_amount, create\_dt)

VALUES

('4565XXXX4656', 1, 'Credit', 10000, 500, 9500, CURRENT\_DATE),

('3455XXXX8673', 1, 'Credit', 7500, 600, 6900, CURRENT\_DATE),

('2359XXXX9346', 1, 'Credit', 20000, 4000, 16000, CURRENT\_DATE);

-- Inserts for notice\_details

INSERT INTO notice\_details (notice\_summary, notice\_details, notic\_beg\_dt, notic\_end\_dt, create\_dt, update\_dt)

VALUES

('Home Loan Interest rates reduced', 'Home loan interest rates are reduced as per the government guidelines. The updated rates will be effective immediately', CURRENT\_DATE - INTERVAL '30 days', CURRENT\_DATE + INTERVAL '30 days', CURRENT\_DATE, null),

('Net Banking Offers', 'Customers who will opt for Internet banking while opening a saving account will get a $50 amazon voucher', CURRENT\_DATE - INTERVAL '30 days', CURRENT\_DATE + INTERVAL '30 days', CURRENT\_DATE, null),

('Mobile App Downtime', 'The mobile application of the EazyBank will be down from 2AM-5AM on 12/05/2020 due to maintenance activities', CURRENT\_DATE - INTERVAL '30 days', CURRENT\_DATE + INTERVAL '30 days', CURRENT\_DATE, null),

('E Auction notice', 'There will be an e-auction on 12/08/2020 on the Bank website for all the stubborn arrears. Interested parties can participate in the e-auction', CURRENT\_DATE - INTERVAL '30 days', CURRENT\_DATE + INTERVAL '30 days', CURRENT\_DATE, null),

('Launch of Millennia Cards', 'Millennia Credit Cards are launched for the premium customers of EazyBank. With these cards, you will get 5% cashback for each purchase', CURRENT\_DATE - INTERVAL '30 days', CURRENT\_DATE + INTERVAL '30 days', CURRENT\_DATE, null),

('COVID-19 Insurance', 'EazyBank launched an insurance policy which will cover COVID-19 expenses. Please reach out to the branch for more details', CURRENT\_DATE - INTERVAL '30 days', CURRENT\_DATE + INTERVAL '30 days', CURRENT\_DATE, null);

-- Inserts for authorities

INSERT INTO authorities (customer\_id, name)

VALUES

(1, 'VIEWACCOUNT'),

(1, 'VIEWCARDS'),

(1, 'VIEWLOANS'),

(1, 'VIEWBALANCE');

-- Deleting authorities

DELETE FROM authorities;

-- Inserting new authorities

INSERT INTO authorities (customer\_id, name)

VALUES

(1, 'ROLE\_USER'),

(1, 'ROLE\_ADMIN');