CREATE DOMAIN USER\_TYPE AS VARCHAR

CHECK (VALUE IN ('client', 'staff', 'manager'));

CREATE TABLE bbb\_dbs.user(

cpr CHAR(10) PRIMARY KEY NOT NULL,

name VARCHAR(100) NOT NULL,

address VARCHAR(100) NOT NULL,

phone\_nr VARCHAR(100) NOT NULL,

email VARCHAR(100) NOT NULL,

password VARCHAR(100) NOT NULL,

approve BOOLEAN NOT NULL,

deletion\_date DATE,

user\_type USER\_TYPE NOT NULL

);

CREATE TABLE bbb\_dbs.account(

account\_nr VARCHAR(100) PRIMARY KEY NOT NULL,

description VARCHAR(500),

balance float(2),

cpr CHAR(10) NOT NULL,

FOREIGN KEY (cpr) REFERENCES bbb\_dbs.user(cpr)

);

CREATE TABLE bbb\_dbs.history(

history\_id SERIAL PRIMARY KEY NOT NULL,

date DATE NOT NULL,

time TIME NOT NULL,

description VARCHAR(500) NOT NULL,

cpr CHAR(10) NOT NULL,

FOREIGN KEY (cpr) REFERENCES bbb\_dbs.user(cpr)

);

CREATE TABLE bbb\_dbs.exchange\_rate(

name CHAR(3) PRIMARY KEY NOT NULL,

value float,

number\_of\_accounts integer

);

CREATE TABLE bbb\_dbs.loan(

loan\_id SERIAL PRIMARY KEY NOT NULL,

amount float NOT NULL,

cpr CHAR(10) NOT NULL,

FOREIGN KEY (cpr) REFERENCES bbb\_dbs.user(cpr)

);

SELECT t.\* FROM bbb\_dbs.user e, bbb\_dbs.account t

WHERE e.cpr = t.cpr AND e.cpr = '12345';

SELECT \* FROM bbb\_dbs.account WHERE account\_nr = 'EUR00000000000000001';

UPDATE bbb\_dbs.account SET balance = '12' WHERE account\_nr = 'EUR00000000000000001';

DELETE FROM bbb\_dbs.account WHERE account\_nr = 'EUR00000000000000001';

SELECT t.\* FROM bbb\_dbs.user e, bbb\_dbs.history t

WHERE e.cpr = t.cpr;

INSERT INTO bbb\_dbs.history VALUES(DEFAULT, '12/12/2000', '12:30', 'HISTORY BAI', '12345');

DELETE FROM bbb\_dbs.account WHERE cpr = '1';

DELETE FROM bbb\_dbs.user WHERE cpr = '1234567894';

SELECT \* FROM bbb\_dbs.user WHERE CPR = '1234567894';

SELECT \* FROM bbb\_dbs.user WHERE approve ='false';

SELECT \* FROM bbb\_dbs.user WHERE user\_type ='staff' OR user\_type ='manager';

SELECT \* FROM bbb\_dbs.account;

SELECT \* FROM bbb\_dbs.account WHERE cpr = '3' AND description = '-Main account-----Cannot be deleted-----Do not use this name-';

DELETE FROM bbb\_dbs.loan WHERE loan\_id = '4';

SELECT \* FROM bbb\_dbs.loan;

ALTER TABLE bbb\_dbs.history

DROP CONSTRAINT history\_cpr\_fkey;

ALTER TABLE bbb\_dbs.history

ADD CONSTRAINT history\_cpr\_fkey

FOREIGN KEY (cpr) REFERENCES bbb\_dbs.user(cpr) ON DELETE CASCADE;

ALTER TABLE bbb\_dbs.account

DROP CONSTRAINT account\_cpr\_fkey;

ALTER TABLE bbb\_dbs.account

ADD CONSTRAINT account\_cpr\_fkey

FOREIGN KEY (cpr) REFERENCES bbb\_dbs.user(cpr) ON DELETE CASCADE;

ALTER TABLE bbb\_dbs.loan

DROP CONSTRAINT loan\_cpr\_fkey;

ALTER TABLE bbb\_dbs.account

ADD CONSTRAINT loan\_cpr\_fkey

FOREIGN KEY (cpr) REFERENCES bbb\_dbs.user(cpr) ON DELETE CASCADE;

DELETE FROM bbb\_dbs.user WHERE deletion\_date = '2020/12/21';

SELECT \* FROM bbb\_dbs.loan WHERE loan\_id='9';

INSERT INTO bbb\_dbs.loan VALUES(DEFAULT, '12', '12345');

UPDATE bbb\_dbs.exchange\_rate SET number\_of\_accounts = '12' WHERE name = 'DKK';

UPDATE bbb\_dbs.exchange\_rate SET value = '12' WHERE name = 'DKK';

SELECT \* FROM bbb\_dbs.exchange\_rate;

SELECT \* FROM bbb\_dbs.user;

SELECT \* FROM bbb\_dbs.user WHERE deletion\_date = '2020/12/20';

UPDATE bbb\_dbs.user SET approve = 'true' WHERE cpr = '2';

SELECT \* FROM bbb\_dbs.history;

INSERT INTO bbb\_dbs.exchange\_rate VALUES('RUB', '0.09', '0');

SELECT \* FROM bbb\_dbs.exchange\_rate;

INSERT INTO bbb\_dbs.account VALUES ('RONK656132', 'mui baiete', '13242.43', '12345');

ALTER TABLE bbb\_dbs.account ADD account\_number varchar(100);

INSERT INTO bbb\_dbs.user

VALUES ('123456789', 'Paul', 'aosidhfo', 'jsdhfojsd', 'laskjdfaskdj', 'lkasjfdlkjsa', true, '01/01/2020', 'client');