drop DATABASE if exists pharmeazy;

create database pharmeazy;

-- DOWN script

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk\_users\_user\_appointment\_id')

ALTER TABLE users DROP CONSTRAINT fk\_users\_user\_appointment\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk\_drugs\_drug\_expire\_barcode')

ALTER TABLE drugs DROP CONSTRAINT fk\_drugs\_drug\_expire\_barcode;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk\_appointment\_histories\_appointment\_history\_id')

ALTER TABLE appointment\_histories DROP CONSTRAINT fk\_appointment\_histories\_appointment\_history\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk\_appointments\_appointment\_city\_id')

ALTER TABLE appointments DROP CONSTRAINT fk\_appointments\_appointment\_city\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk\_appointments\_doctor\_appointment\_id')

ALTER TABLE appointments DROP CONSTRAINT fk\_appointments\_doctor\_appointment\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk\_purchases\_purchase\_user\_id')

ALTER TABLE purchases DROP CONSTRAINT fk\_purchases\_purchase\_user\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk\_prescription\_doctor\_id')

ALTER TABLE prescriptions DROP CONSTRAINT fk\_prescription\_doctor\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk\_cities\_city\_appointment\_id')

ALTER TABLE cities DROP CONSTRAINT fk\_cities\_city\_appointment\_id;

----soft deletion of brdige table forien keys

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk1\_drugs\_companies\_drug\_id')

ALTER TABLE drugs\_companies DROP CONSTRAINT fk1\_drugs\_companies\_drug\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk2\_drugs\_companies\_company\_id')

ALTER TABLE drugs\_companies DROP CONSTRAINT fk2\_drugs\_companies\_company\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk1\_companies\_users\_company\_id')

ALTER TABLE companies\_users DROP CONSTRAINT fk1\_companies\_users\_company\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk2\_companies\_users\_user\_id')

ALTER TABLE companies\_users DROP CONSTRAINT fk2\_companies\_users\_user\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk1\_drugs\_sales\_drug\_id')

ALTER TABLE drugs\_sales DROP CONSTRAINT fk1\_drugs\_sales\_drug\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk2\_drugs\_sales\_sale\_id')

ALTER TABLE drugs\_sales DROP CONSTRAINT fk2\_drugs\_sales\_sale\_id;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk1\_users\_insurances\_user\_id')

ALTER TABLE users\_insurances DROP CONSTRAINT fk1\_users\_insurances\_user\_id ;

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

WHERE CONSTRAINT\_NAME = 'fk2\_users\_insurances\_insurance\_number')

ALTER TABLE users\_insurances DROP CONSTRAINT fk2\_users\_insurances\_insurance\_number;

DROP TABLE IF EXISTS users;

DROP TABLE IF EXISTS companies;

DROP TABLE IF EXISTS drugs;

DROP TABLE IF EXISTS expires;

DROP TABLE IF EXISTS sales;

DROP TABLE IF EXISTS drugs\_sales;

DROP TABLE IF EXISTS cities;

DROP TABLE IF EXISTS insurances;

DROP TABLE IF EXISTS prescriptions;

DROP TABLE IF EXISTS doctors;

DROP TABLE IF EXISTS user\_insurances;

DROP TABLE IF EXISTS drugs\_companies;

DROP TABLE IF EXISTS companies\_users;

DROP TABLE IF EXISTS purchases;

DROP TABLE IF EXISTS appointments;

DROP TABLE IF EXISTS appointment\_histories;

-- UP Script

CREATE TABLE appointment\_histories(

appointment\_history\_number int not null,

appointment\_history\_id int not NULL,

appointment\_history\_category varchar(50) not null,

appointment\_history\_date date not null,

appointment\_history\_time time not null,

CONSTRAINT pk\_appointment\_histories\_appointment\_history\_number PRIMARY key (appointment\_history\_number)

)

CREATE TABLE appointments(

appointment\_id int not null,

appointment\_address varchar(100) not null,

appointment\_category varchar(50) not null,

appointment\_location varchar(50) not null,

appointment\_date date not null,

appointment\_time time not null,

doctor\_appointment\_id int NOT null,

appointment\_city\_id int not null,

CONSTRAINT pk\_appointments\_appointment\_id PRIMARY KEY (appointment\_id),

CONSTRAINT u\_appointments\_appointment\_address UNIQUE (appointment\_address)

)

CREATE TABLE purchases(

purchase\_id int not null,

purchase\_user\_id int not null,

purchase\_drugname varchar(50) not null,

constraint pk\_purchases\_purchase\_id primary key (purchase\_id),

CONSTRAINT u\_purchases\_purchase\_drugname UNIQUE (purchase\_drugname)

)

CREATE TABLE doctors(

doctor\_id int not null,

doctor\_email varchar(50) not null,

doctor\_firstname varchar(50) not null,

doctor\_lastname varchar(50) not null,

doctor\_qualification varchar(50) not null,

doctor\_speciality varchar(50) not null,

CONSTRAINT pk\_doctors\_doctor\_id PRIMARY key (doctor\_id),

CONSTRAINT u\_doctors\_doctor\_email UNIQUE (doctor\_email)

)

CREATE TABLE prescriptions(

prescription\_id int not null,

prescription\_number int not null,

prescription\_date date not null,

prescription\_doctor\_id int not null,

CONSTRAINT pk\_prescriptions\_prescription\_id PRIMARY key (prescription\_id),

CONSTRAINT u\_prescriptions\_prescription\_number UNIQUE (prescription\_number)

)

CREATE TABLE insurances(

insurance\_number int not null,

insurance\_category varchar(50) not null,

insurance\_startdate date not null,

insurance\_enddate date not null,

CONSTRAINT pk\_insurances\_insurance\_number PRIMARY key (insurance\_number)

)

CREATE TABLE cities(

city\_id int not null,

city\_name varchar(50) not null,

city\_pincode int not null,

city\_street varchar(100) not null,

city\_appointment\_id int not null,

CONSTRAINT pk\_cities\_city\_id PRIMARY key (city\_id),

CONSTRAINT u\_cities\_city\_name UNIQUE (city\_name)

)

CREATE TABLE sales(

sale\_id int not null,

sale\_drug\_name varchar(50) not null,

sale\_drug\_type varchar(50) not null,

sale\_drug\_dose varchar(50) not null,

sale\_drug\_quantity int not null,

sale\_drug\_price decimal not null,

sale\_date date not null ,

CONSTRAINT pk\_sales\_sales\_id PRIMARY key (sale\_id),

CONSTRAINT u\_sales\_sale\_drug\_name UNIQUE (sale\_drug\_name)

)

CREATE TABLE expires(

expiry\_barcode VARCHAR(50) not null,

expiry\_drug\_name varchar(50) not null,

expiry\_quantity\_remain int not null,

expiration\_date date not null

CONSTRAINT pk\_expires\_expiry\_barcode primary key (expiry\_barcode),

CONSTRAINT u\_expires\_expiry\_drug\_name UNIQUE (expiry\_drug\_name)

)

CREATE TABLE drugs(

drug\_id int not null,

drug\_name VARCHAR(50) not null,

drug\_type varchar(50) not null,

drug\_dose varchar(10) not null,

drug\_expiry\_barcode VARCHAR(50) not null,

drug\_cost\_price int not null,

drug\_selling\_price int not null,

drug\_expiry varchar(20) not null,

drug\_company\_name VARCHAR(50) not null,

drug\_production\_date date not null,

drug\_quantity int not null,

CONSTRAINT pk\_drugs\_drug\_id primary key (drug\_id),

CONSTRAINT u\_drugs\_drug\_name UNIQUE (drug\_name)

)

CREATE TABLE companies (

company\_id int not null,

company\_name varchar(50) not null,

company\_contact int not null,

company\_address varchar(100) not null,

CONSTRAINT pk\_companies\_company\_id primary key (company\_id),

CONSTRAINT u\_companies\_company\_address UNIQUE (company\_address)

)

CREATE TABLE users (

user\_id int not null,

user\_firstname varchar(50) not null,

user\_lastname varchar(50) not null,

user\_birthdate date not null,

user\_contactnumber int not null,

user\_password varchar(20) not null,

user\_appointment\_id int not null,

CONSTRAINT pk\_users\_user\_id primary key (user\_id),

CONSTRAINT u\_users\_contact unique (user\_contactnumber)

)

-----bridge tables begin

create table drugs\_companies(

drug\_id INT not null,

company\_id int not null,

CONSTRAINT pk\_drugs\_companies\_drug\_id\_company\_id PRIMARY key (drug\_id,company\_id),

)

CREATE TABLE companies\_users(

company\_id int not null,

user\_id int not null,

CONSTRAINT pk\_companies\_users\_company\_id\_user\_id PRIMARY key (user\_id,company\_id)

)

CREATE table drugs\_sales(

drug\_id INT not null,

sale\_id int not null,

CONSTRAINT pk\_drugs\_sales\_drug\_id\_sale\_id PRIMARY key (drug\_id,sale\_id)

)

CREATE table users\_insurances(

user\_id int not null,

insurance\_number int not null,

CONSTRAINT pk\_users\_insurances\_user\_id\_insurance\_number PRIMARY key (user\_id,insurance\_number)

)

------bridge table end

------alter table code

ALTER table drugs\_companies

add CONSTRAINT fk1\_drugs\_companies\_drug\_id FOREIGN KEY(drug\_id) REFERENCES drugs (drug\_id),

CONSTRAINT fk2\_drugs\_companies\_company\_id FOREIGN KEY(company\_id) REFERENCES companies (company\_id)

ALTER table companies\_users

add CONSTRAINT fk1\_companies\_users\_company\_id FOREIGN KEY(company\_id) REFERENCES companies (company\_id),

CONSTRAINT fk2\_drugs\_companies\_user\_id FOREIGN KEY(user\_id) REFERENCES users (user\_id);

ALTER table drugs\_sales

add CONSTRAINT fk1\_drugs\_sales\_drug\_id FOREIGN KEY(drug\_id) REFERENCES drugs (drug\_id),

CONSTRAINT fk2\_drugs\_sales\_sale\_id FOREIGN KEY(sale\_id) REFERENCES sales (sale\_id);

ALTER table users\_insurances

add CONSTRAINT fk1\_users\_insurances\_user\_id FOREIGN KEY(user\_id) REFERENCES users (user\_id),

CONSTRAINT fk2\_users\_insurances\_insurance\_number FOREIGN KEY(insurance\_number) REFERENCES insurances (insurance\_number);

ALTER table appointment\_histories

ADD CONSTRAINT fk\_appointment\_histories\_appointment\_history\_id foreign key (appointment\_history\_id) REFERENCES appointments (appointment\_id);

ALTER table appointments

ADD CONSTRAINT fk\_appointments\_appointment\_city\_id foreign key (appointment\_city\_id) REFERENCES cities (city\_id),

CONSTRAINT fk\_appointments\_doctor\_appointment\_id foreign key (doctor\_appointment\_id) REFERENCES doctors (doctor\_id);

ALTER table purchases

ADD CONSTRAINT fk\_purchases\_purchase\_user\_id foreign key (purchase\_user\_id) REFERENCES users (user\_id);

ALTER table prescriptions

ADD CONSTRAINT fk\_prescriptions\_prescription\_doctor\_id foreign key (prescription\_doctor\_id) REFERENCES doctors (doctor\_id);

ALTER table cities

ADD CONSTRAINT fk\_cities\_city\_appointment\_id foreign key (city\_appointment\_id) REFERENCES appointments (appointment\_id);

ALTER table drugs

ADD CONSTRAINT fk\_drugs\_drug\_expiry\_barcode foreign key (drug\_expiry\_barcode) REFERENCES expires (expiry\_barcode);

ALTER table users

ADD CONSTRAINT fk\_users\_user\_appointment\_id foreign key (user\_appointment\_id) REFERENCES appointments (appointment\_id);