CREATE TABLE patient(

ID int NOT NULL,

SSN int UNIQUE NOT NULL,

name varchar(255) NOT NULL,

birth\_date varchar(255),

address varchar(255),

fees float ,

medical\_status varchar(255),

email varchar(255) UNIQUE NOT NULL,

user\_name varchar(250) UNIQUE NOT NULL,

pass varchar(255) NOT NULL,

treating\_nurse\_id int ,

treatment\_date varchar(255) ,

treatment\_time varchar(255),

PRIMARY KEY (ID)

);

CREATE TABLE patient\_tests(

ID int UNIQUE NOT NULL,

test varchar(255),

PRIMARY KEY (ID,test),

FOREIGN KEY (ID) REFERENCES patient(ID)

);

CREATE TABLE patient\_phone(

ID int UNIQUE NOT NULL,

phone bigint,

PRIMARY KEY (ID,phone),

FOREIGN KEY (ID) REFERENCES patient(ID)

);

CREATE TABLE patient\_medical\_history(

ID int UNIQUE NOT NULL,

medical\_history varchar(255),

PRIMARY KEY (ID,medical\_history),

FOREIGN KEY (ID) REFERENCES patient(ID)

);

CREATE TABLE nurse(

ID int NOT NULL,

SSN int UNIQUE NOT NULL,

name varchar(255) NOT NULL,

birth\_date varchar(255),

address varchar(255),

salary float ,

pictue varchar(255),

email varchar(255) UNIQUE NOT NULL,

user\_name varchar(250) UNIQUE NOT NULL,

pass varchar(255) NOT NULL,

supervising\_doctor\_ID int NOT NULL,

PRIMARY KEY (ID)

);

CREATE TABLE nurse\_phone(

ID int UNIQUE NOT NULL,

phone bigint,

PRIMARY KEY (ID,phone),

FOREIGN KEY (ID) REFERENCES nurse(ID)

);

CREATE TABLE nurse\_days(

ID int UNIQUE NOT NULL,

days varchar(255),

PRIMARY KEY (ID,days),

FOREIGN KEY (ID) REFERENCES nurse(ID)

);

CREATE TABLE nurse\_hours(

ID int UNIQUE NOT NULL,

hours varchar(255),

PRIMARY KEY (ID,hours),

FOREIGN KEY (ID) REFERENCES nurse(ID)

);

CREATE TABLE staff(

ID int NOT NULL,

SSN int UNIQUE NOT NULL,

name varchar(255) NOT NULL,

birth\_date varchar(255),

address varchar(255),

salary float ,

position varchar(255),

email varchar(255) UNIQUE NOT NULL,

user\_name varchar(250) UNIQUE NOT NULL,

pass varchar(255) NOT NULL,

PRIMARY KEY (ID)

);

CREATE TABLE staff\_phone(

ID int UNIQUE NOT NULL,

phone bigint,

PRIMARY KEY (ID,phone),

FOREIGN KEY (ID) REFERENCES staff(ID)

);

CREATE TABLE staff\_days(

ID int UNIQUE NOT NULL,

days varchar(255),

PRIMARY KEY (ID,days),

FOREIGN KEY (ID) REFERENCES staff(ID)

);

CREATE TABLE staff\_hours(

ID int UNIQUE NOT NULL,

hours varchar(255),

PRIMARY KEY (ID,hours),

FOREIGN KEY (ID) REFERENCES staff(ID)

);

CREATE TABLE diagnose(

doctor\_ID int UNIQUE NOT NULL,

pateint\_ID int UNIQUE NOT NULL,

appointment\_date varchar(255),

appointment\_time varchar(255)

);

CREATE TABLE diagnose\_prescriptions (

prescription varchar(255),

doctor\_ID int NOT NULL UNIQUE,

patient\_ID int NOT NULL UNIQUE,

PRIMARY KEY (doctor\_ID,patient\_ID,prescription)

);

CREATE TABLE works\_on (

unit\_number int NOT NULL,

staff\_ID int UNIQUE NOT NULL,

PRIMARY KEY(unit\_number,staff\_ID)

);

CREATE TABLE doctor (

ID int NOT NULL,

SSN int UNIQUE NOT NULL,

name varchar(255) NOT NULL,

birth\_date varchar(255)NOT NULL,

address varchar(255),

salary float DEFAULT '2000' ,

pictue varchar(255),

email varchar(255) UNIQUE NOT NULL,

user\_name varchar(250) UNIQUE NOT NULL,

pass varchar(255) NOT NULL,

degree varchar(255) NOT NULL DEFAULT 'med' ,

PRIMARY KEY (ID)

);

CREATE TABLE doctor\_phone(

ID int UNIQUE NOT NULL,

phone bigint,

PRIMARY KEY (ID,phone),

FOREIGN KEY (ID) REFERENCES doctor(ID)

);

CREATE TABLE doctor\_days(

ID int UNIQUE NOT NULL,

days varchar(255),

PRIMARY KEY (ID,days),

FOREIGN KEY (ID) REFERENCES doctor(ID)

);

CREATE TABLE doctor\_hours(

ID int UNIQUE NOT NULL,

hours varchar(255),

PRIMARY KEY (ID,hours),

FOREIGN KEY (ID) REFERENCES doctor(ID)

);

CREATE TABLE engineer (

ID int NOT NULL,

SSN int UNIQUE NOT NULL,

name varchar(255) NOT NULL,

birth\_date varchar(255)NOT NULL,

address varchar(255),

salary float DEFAULT '2000' ,

email varchar(255) UNIQUE NOT NULL,

user\_name varchar(250) UNIQUE NOT NULL,

pass varchar(255) NOT NULL,

PRIMARY KEY (ID)

);

CREATE TABLE engineers\_phone(

ID int UNIQUE NOT NULL,

phone bigint,

PRIMARY KEY (ID,phone),

FOREIGN KEY (ID) REFERENCES engineer(ID)

);

CREATE TABLE engineers\_days(

ID int UNIQUE NOT NULL,

days varchar(255),

PRIMARY KEY (ID,days),

FOREIGN KEY (ID) REFERENCES engineer(ID)

);

CREATE TABLE engineers\_hours(

ID int UNIQUE NOT NULL,

hours varchar(255),

PRIMARY KEY (ID,hours),

FOREIGN KEY (ID) REFERENCES engineer(ID)

);

CREATE TABLE unitdevice (

number int NOT NULL,

device\_id int UNIQUE NOT NULL,

avaliable varchar(255) NOT NULL,

device\_status varchar(255)NOT NULL,

preventiveMD DATE NOT NULL,

occupied\_date DATE NOT NULL,

device\_model varchar(255)NOT NULL,

device\_time varchar(255)NOT NULL,

occuping\_patient\_ID int NOT NULL UNIQUE,

FOREIGN KEY (occuping\_patient\_ID) REFERENCES patient(ID),

responsible\_nurse\_ID int NOT NULL UNIQUE,

FOREIGN KEY (responsible\_nurse\_ID) REFERENCES nurse(ID),

PRIMARY KEY (number)

);

CREATE TABLE maintain(

Eng\_ID INT NOT NULL,

unitNumber INT NOT NULL,

PRIMARY KEY(unitnumber,Eng\_ID),

FOREIGN KEY (Eng\_ID) REFERENCES engineer(ID),

FOREIGN KEY (unitNumber) REFERENCES unitdevice(number)

);

ALTER TABLE patient

ADD FOREIGN KEY (treating\_nurse\_id) REFERENCES nurse(ID);

ALTER TABLE nurse

ADD FOREIGN KEY (supervising\_doctor\_ID) REFERENCES doctor(ID);

ALTER TABLE diagnose

ADD FOREIGN KEY (doctor\_ID) REFERENCES doctor(ID);

ALTER TABLE diagnose

ADD FOREIGN KEY (pateint\_ID) REFERENCES patient(ID);

ALTER TABLE diagnose\_prescriptions

ADD FOREIGN KEY (doctor\_ID) REFERENCES doctor(ID);

ALTER TABLE diagnose\_prescriptions

ADD FOREIGN KEY (patient\_ID) REFERENCES patient(ID);

ALTER TABLE works\_on

ADD FOREIGN KEY (unit\_number) REFERENCES unitdevice(number);

ALTER TABLE works\_on

ADD FOREIGN KEY (staff\_ID) REFERENCES staff(ID);