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-- Question 1

show databases;

create database Hospital;

create table Patient(

PatientID varchar (15) primary key,

PatientName varchar (15),

Age int,

Gender varchar(5),

Address varchar(20),

Disease varchar(10),

DoctorID varchar(15)

);

describe Patient;

-- Question 2

alter table Patient

modify Gender char(5);

-- Question 3

create table Doctor(

DoctorID varchar (15) primary key,

DoctorName varchar (15),

Age int,

Gender char,

Address varchar(20)

);

describe Doctor;

-- Question 4

alter table Doctor

add column DoctorWard varchar(15);

-- Question 5

alter table Patient

add constraint foreign key (DoctorID) references Doctor(DoctorID);

-- Question 6

create table Lab(

LabID varchar (15) primary key,

TestDate date,

TestAmount varchar(20),

PatientID varchar(15),

DoctorID varchar(15)

);

describe Lab;

-- Question 7

alter table Lab

add constraint foreign key(DoctorID) references Doctor(DoctorID);

-- Question 8

alter table Lab

add constraint foreign key (PatientID) references Patient(PatientID);

-- Question 9

alter table Lab

Rename COLUMN TestAmount to Amount;

-- Question 10

alter table Lab

modify column TestAmount double;

-- Question 11

alter table Lab

add column LabNo varchar(10);

-- Question 12

create table HospitalRoom(

RoomID varchar (15) primary key,

RoomAllocationDate date,

RoomType varchar(20),

RoomStatus varchar(5)

);

describe HospitalRoom;

-- Question 13

create table PatientBill(

BillID varchar (15) primary key,

BillDate date,

Amount varchar(20),

PatientID varchar(15)

);

describe PatientBill;

-- Question 14

alter table PatientBill

add constraint foreign key(PatientID) references Patient(PatientID);

-- Question 15

rename table HospitalRoom to Room;

describe Room;