

# Hospital Enterprise Database

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## I Problem Statement

Hospital Enterprise database is a complete and functional database to record the information of hospital carecenters, employees, corresponding buildings, room, bed, patients, physicians, consumed items and treatments physicians give to patients. All these become an entity in the database. And database also maintain the relationship among those tables mentioned above. The normalized ER diagram is displayed as following.

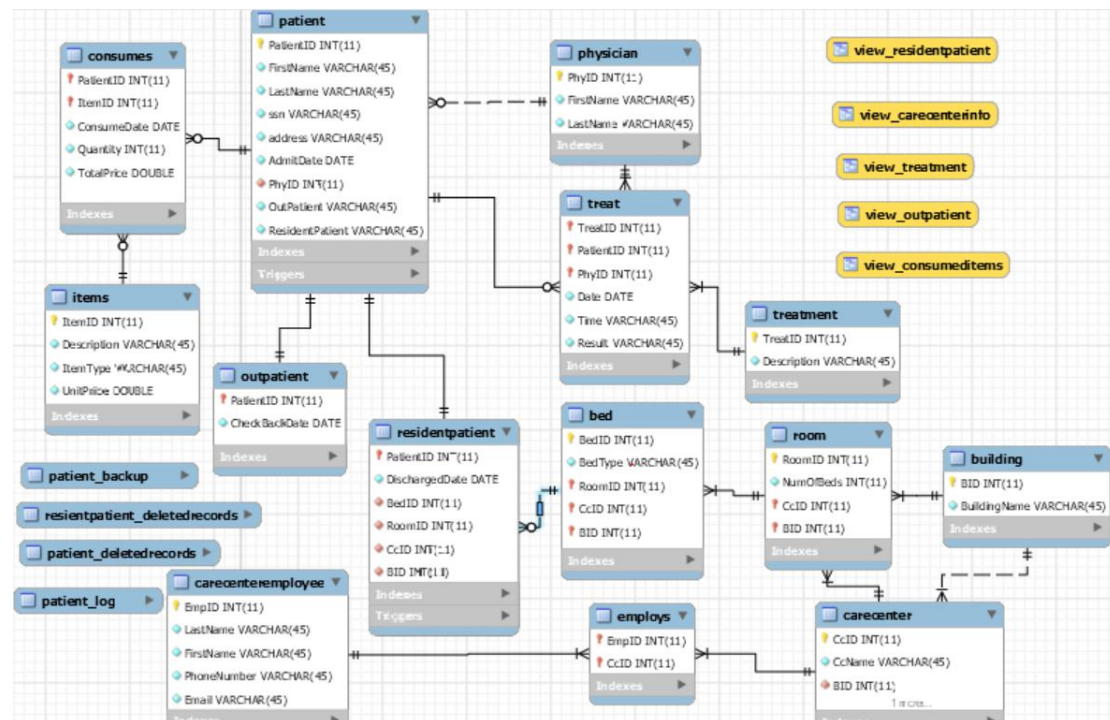
Hospital Enterprise database have some triggers inside. Trigger one is used to insert a record into the subtype tables: OutPatient table and ResidentPatient table after insert a record into Patient table; Trigger two is logging changes in updates after update Patient table; Trigger three is used to backup before delete records in Patient table; Trigger four is used to record deleted ResidentPatient information after deletion on ResidentPatient table.

This database also have created some views inside which helps the analysis and retrieve of data. The first one is view\_carecenterinfo used to show all the carecenter information which includes the basic information and the employees working in there. The second one is view\_consumeditems, which shows all the items consumed by all patients and their details. The third one is called view\_outpatient displaying the detail information of OutPatients. The fourth one is view\_residentpatient showing the detail information of all ResidentPatient. The last one is view\_treatment used to summarize the detail treatments all patients received and who are their corresponding physicians.

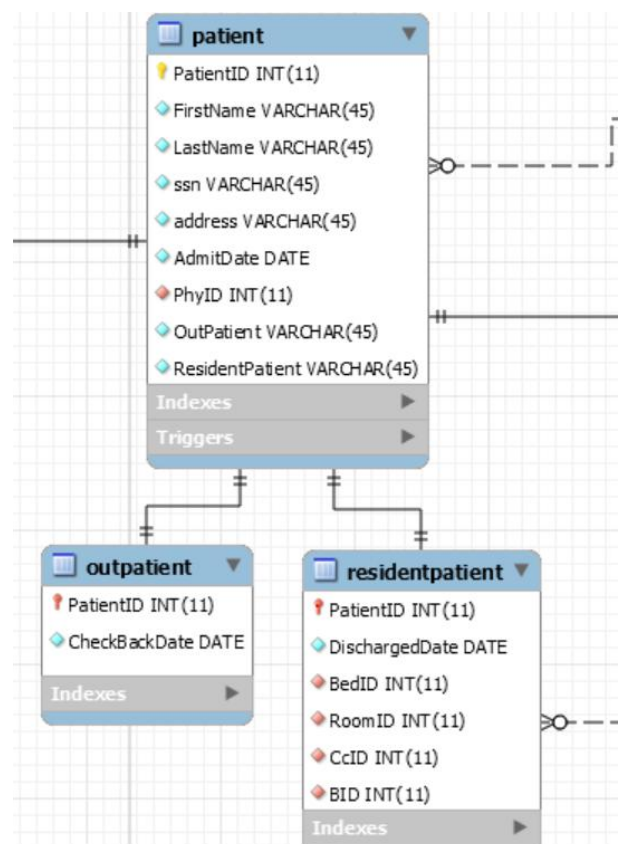
The last section is stored procedures. Hospital enterprise database have established eight procedures inside. Their usage are searching all the patients information in a certain admit date; finding all the received treatment for a certain patient; finding all the responsible physician of a patient; showing the location in hospital of a resident patient; displaying all consumed items by a patient; summarizing the detail billing information of consumed items for a patient; search all patients belonging to a certain physician; and searching the detail information of a certain carecenter in the hospital.

## II ER diagram

The overall ER diagram is like below:

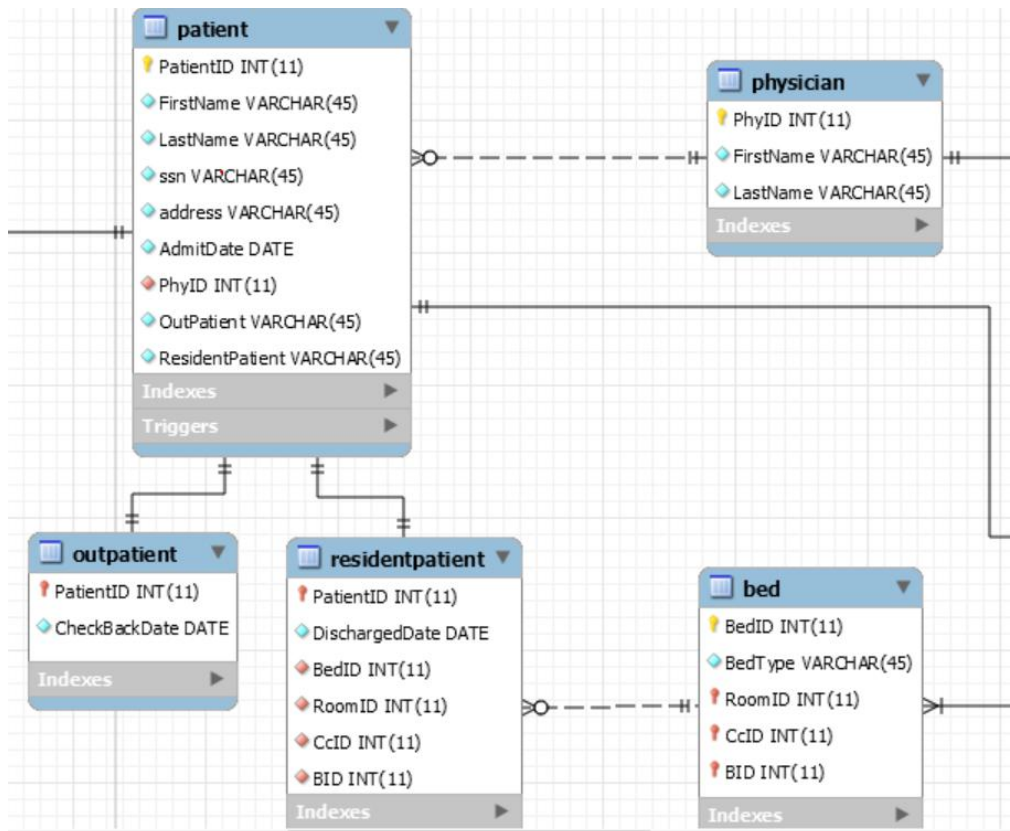


- Patient --- Generalization and Specialization  
A patient could be either a out patient or a resident patient.

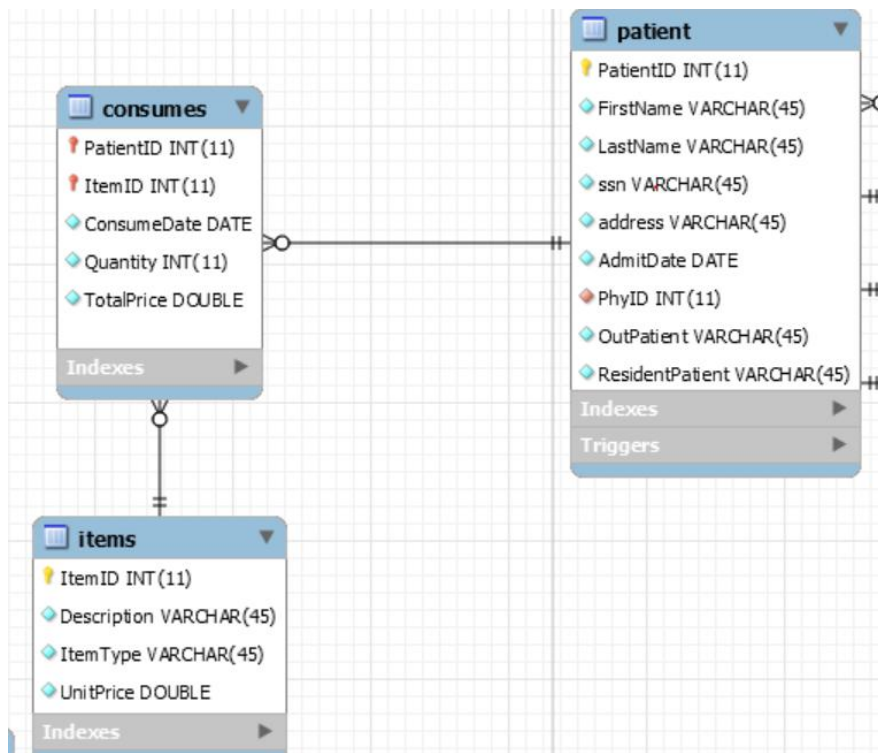


- All patients are assigned to one and only one physician, and a physician could be responsible for more than one patient.

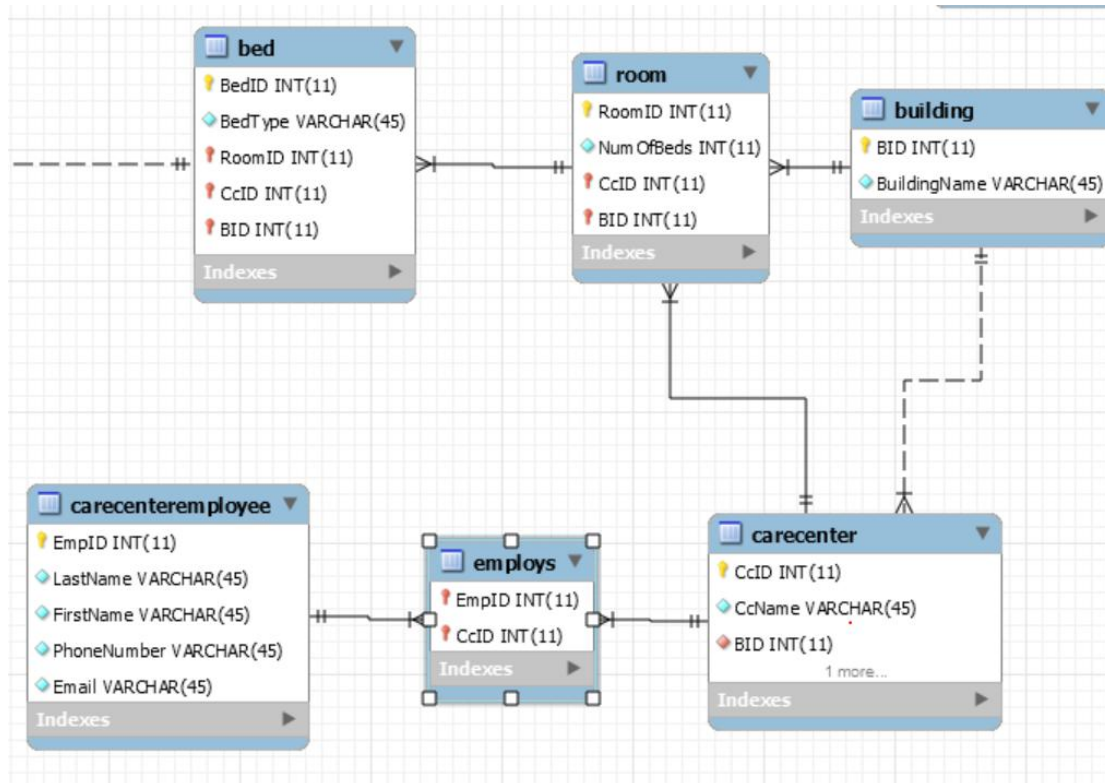
Only resident patient can be assigned to a bed, and a bed belongs to a resident patient or not.



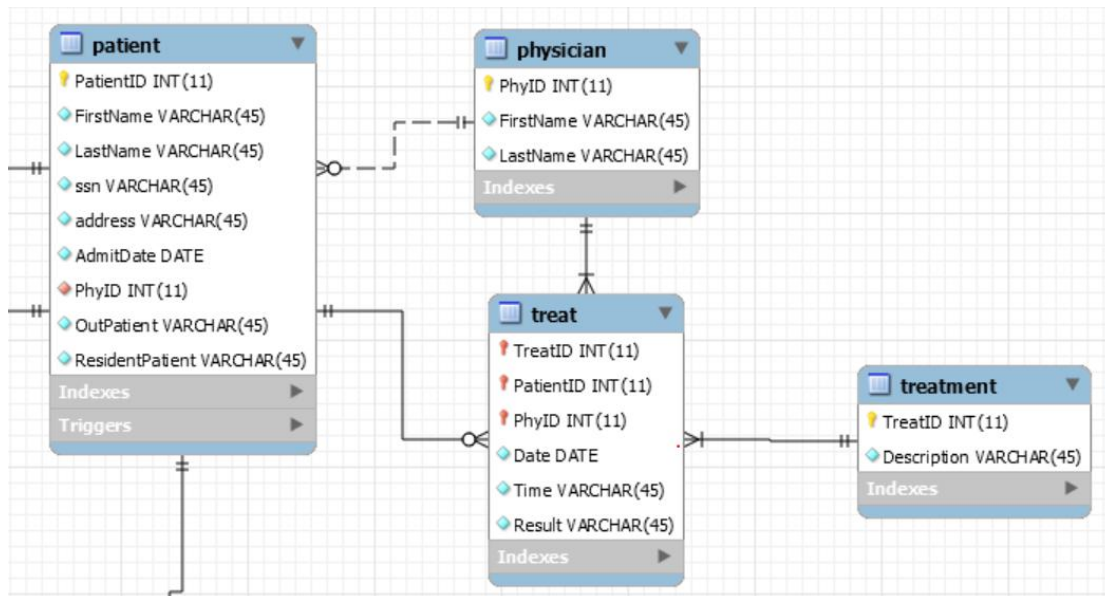
- All patients can consume more than one items or nothing, and a certain type of item in hospital could be consumed by many patients or not.



- One care center can employ at least one employee and one employee could work in many care centers. And a care center is located in a building and may have many rooms for patients to live. A room have many beds to be assigned.



- A patient could receive more than one treatment from a certain physician or nothing.



### III Insert records:

insert into `carecenter` values (1, 'internal medicine', 1, '123-456-789');

insert into `carecenter` values (2, 'surgery', 2, '111-222-333');

	CcID	CcName	BID	telephoneNumber
	1	internal medicine	1	123-456-789
	2	surgery	2	111-222-333
	NULL	NULL	NULL	NULL

insert into `building` values (1, 'South Building');

insert into `building` values (2, 'North Building');

	BID	BuildingName
	1	South Building
	2	North Building
	NULL	NULL

insert into `room` values (100, 1, 1, 1);

insert into `room` values (101, 2, 1, 1);

insert into `room` values (200, 2, 2, 2);

insert into `room` values (201, 8, 2, 2);

	RoomID	NumOfBeds	CcID	BID
	100	1	1	1
	101	2	1	1
	200	2	2	2
	201	8	2	2
	NULL	NULL	NULL	NULL

insert into `bed` values (1, 'VIP', 100, 1, 1);

insert into `bed` values (1, 'Normal', 101, 1, 1);

insert into `bed` values (2, 'Normal', 101, 1, 1);

insert into `bed` values (1, 'Normal', 200, 2, 2);

insert into `bed` values (2, 'Normal', 200, 2, 2);

	BedID	BedType	RoomID	CcID	BID
	1	VIP	100	1	1
	1	Normal	101	1	1
	1	Normal	200	2	2
	2	Normal	101	1	1
	2	Normal	200	2	2
	NULL	NULL	NULL	NULL	NULL

insert into `carecenteremployee` values (1, 'Bob', 'Johns', '987-654-321', '111@hhh.com');

insert into `carecenteremployee` values (2, 'Kate', 'Smith', '123-131-434', '222@hhh.com');

insert into `carecenteremployee` values (3, 'Isabella', 'Muji', '932-232-123', '333@hhh.com');

	EmpID	LastName	FirstName	PhoneNumber	Email
	1	Bob	Johns	987-654-321	111@hhh.com
	2	Kate	Smith	123-131-434	222@hhh.com
	3	Isebella	Mui	932-232-123	333@hhh.com
	NULL	NULL	NULL	NULL	NULL

insert into `employs` values (1, 1);

insert into `employs` values (2, 1);

insert into `employs` values (3, 2);

insert into `employs` values (1, 2);

	EmpID	CcID
	1	1
	2	1
	1	2
	3	2
	NULL	NULL

insert into `physician` values (1, 'Vanessa', 'Smith');

insert into `physician` values (2, 'Alula', 'Zhang');

insert into `physician` values (3, 'Yif', 'Liu');

insert into `physician` values (4, 'Suibian', 'WUsuowei');

	PhyID	FirstName	LastName
	1	Vanessa	Smith
	2	Alula	Zhang
	3	Yif	Liu
	4	Suibian	WUsuowei
	NULL	NULL	NULL

insert into `patient` values (1, 'Yifan', 'Zhang', '123', 'Malden', '2018-4-25', 2, 'Y', 'N');

insert into `patient` values (2, 'Kitty', 'Smith', '456', 'Boston', '2018-4-26', 1, 'N', 'Y');

insert into `patient` values (3, 'Bob', 'Brown', '556', 'Washington', '2018-4-26', 3, 'Y', 'N');

insert into `patient` values (4, 'Mike', 'Davis', '233', 'California', '2018-4-27', 2, 'N', 'Y');

insert into `patient` values (5, 'Jane', 'Smith', '333', 'Malden', '2018-4-26', 4, 'N', 'Y');

insert into `patient` values (6, 'Fanny', 'Davis', '666', 'Beijing', '2018-4-27', 3, 'Y', 'N');

	PatientID	FirstName	LastName	ssn	address	AdmitDate	PhyID	OutPatient	ResidentPatient
	1	Yifan	Zhang	123	Malden	2018-04-25	2	Y	N
	2	Kitty	Smith	456	Boston	2018-04-26	1	N	Y
	3	Bob	Brown	556	Washington	2018-04-26	3	Y	N
	4	Mike	Davis	233	California	2018-04-27	2	N	Y
	5	Jane	Smith	333	Malden	2018-04-26	4	N	Y
	6	Fanny	Davis	666	Beijing	2018-04-27	3	Y	N
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

update outpatient set CheckBackDate = '2018-4-30' where personid = 1;

update outpatient set CheckBackDate = '2018-4-29' where personid = 3;

update outpatient set CheckBackDate = '2018-4-28' where personid = 6;



PatientID	CheckBackDate
1	2018-04-30
3	2018-04-29
6	2018-04-28
NULL	NULL

update ResidentPatient set DischargedDate = '2018-5-30' where patientID = 2;  
 update ResidentPatient set BedID = 1, RoomID = 100 ,CcID = 1 ,BID = 1 where patientID = 2;  
 update ResidentPatient set DischargedDate = '2018-6-10' where patientID = 4;  
 update ResidentPatient set BedID = 2, RoomID = 101, CcID = 1, BID = 1 where patientID = 4;  
 update ResidentPatient set DischargedDate = '2018-7-20' where patientID = 5;  
 update ResidentPatient set BedID = 1, RoomID = 200 ,CcID = 2 , BID = 2 where patientID = 5;

PatientID	DischargedDate	BedID	RoomID	CcID	BID
2	2018-05-30	1	100	1	1
4	2018-06-10	2	101	1	1
5	2018-07-20	1	200	2	2
NULL	NULL	NULL	NULL	NULL	NULL

insert into `items` values (1, 'Anti-inflammatory', 'Oral', 88.8);  
 insert into `items` values (2, 'headache', 'Oral', 100.9);  
 insert into `items` values (3, 'cold', 'Oral', 20.3);  
 insert into `items` values (4, 'trauma', 'External', 55.5);  
 insert into `items` values (5, 'prevention', 'injection', 330.4);

ItemID	Description	ItemType	UnitPrice
1	Anti-inflammatory	Oral	88.8
2	headache	Oral	100.9
3	cold	Oral	20.3
4	trauma	External	55.5
5	prevention	injection	330.4
NULL	NULL	NULL	NULL

insert into `consumes` values (1, 1, '2018-4-25', 2, 177.6);  
 insert into `consumes` values (1, 2, '2018-4-25', 2, 201.8);  
 insert into `consumes` values (3, 3, '2018-4-26', 4, 81.2);  
 insert into `consumes` values (4, 5, '2018-4-27', 1, 330.4);  
 insert into `consumes` values (5, 1, '2018-4-26', 4, 355.2);  
 insert into `consumes` values (5, 2, '2018-4-26', 1, 100.9);  
 insert into `consumes` values (6, 4, '2018-4-27', 5, 277.5);

PatientID	ItemID	ConsumeDate	Quantity	TotalPrice
1	1	2018-04-25	2	177.6
1	2	2018-04-25	2	201.8
3	3	2018-04-26	4	81.2
4	5	2018-04-27	1	330.4
5	1	2018-04-26	4	355.2
5	2	2018-04-26	1	100.9
6	4	2018-04-27	5	277.5
NULL	NULL	NULL	NULL	NULL

```

insert into `treatment` values (1, 'Consultation');
insert into `treatment` values (2, 'Prescription');
insert into `treatment` values (3, 'Hospitalization');
insert into `treatment` values (4, 'Surgery');

```

TreatID	Description
1	Consultation
2	Prescription
3	Hospitalization
4	Surgery
NULL	NULL

```

insert into `treat` values (1, 1, 2, '2018-4-25', '13:00', 'Pending');
insert into `treat` values (2, 1, 2, '2018-4-25', '14:00', 'Pending');
insert into `treat` values (2, 2, 1, '2018-4-26', '13:00', 'Pending');
insert into `treat` values (2, 3, 3, '2018-4-26', '8:00', 'Completed');
insert into `treat` values (3, 4, 2, '2018-4-27', '10:00', 'Completed');
insert into `treat` values (3, 5, 4, '2018-4-26', '8:00', 'Completed');
insert into `treat` values (4, 5, 4, '2018-4-27', '18:00', 'Pending');
insert into `treat` values (1, 6, 3, '2018-4-27', '22:00', 'Pending');

```

TreatID	PatientID	PhyID	Date	Time	Result
1	1	2	2018-04-25	13:00	Pending
1	6	3	2018-04-27	22:00	Pending
2	1	2	2018-04-25	14:00	Pending
2	2	1	2018-04-26	13:00	Pending
2	3	3	2018-04-26	8:00	Completed
3	4	2	2018-04-27	10:00	Completed
3	5	4	2018-04-26	8:00	Completed
4	5	4	2018-04-27	18:00	Pending
NULL	NULL	NULL	NULL	NULL	NULL



## IV Trigger

- Trigger1 : Patient Table -- After Insert

when inserting a patient record, a outpatient record or a residentPatient record would be inserted automatically.

```
delimiter //
CREATE DEFINER=`root`@`localhost` TRIGGER `hospitaldb`.`patient_AFTER_INSERT` AFTER
INSERT ON `patient` FOR EACH ROW
BEGIN
if(new.OutPatient = 'Y')
then
insert into outpatient(PatientID) values(new.PatientID);
end if;
if(new.ResidentPatient = 'Y')
then
insert into residentpatient(PatientID, BedID, RoomID, CcID, BID) values(new.PatientID, 1, 100, 1,
1);
end if;
END;
```

- Trigger2 : After Updates -- Patient Table

logging changes in updates

```
Create Table `hospitaldb`.`patient_log` (
  `UID` int not null auto_increment,
  `username` varchar(45) null,
  `patientID` int null,
  `oldname` varchar(45) null,
  `newname` varchar(45) null,
  primary key (`UID`));
```

Delimiter \$\$

```
create trigger `patient_update`
after update
on `patient`
for each row
begin
insert into patient_log (username, patientID, oldname, newname)
values (user(), old.PatientID, old.FirstName, new.FirstName);
end $$
Delimiter ;
```

-- update a record to observe the change

update patient set FirstName = 'Mujin' where patientID = 1;  
 update patient set FirstName = 'haha' where patientID = 2;

	UID	username	patientID	oldname	newname
	1	root@localhost	2	Kittv	haha
	2	root@localhost	1	Yifan	Mujin
	NULL	NULL	NULL	NULL	NULL

- Trigger3 : Patient Table -- Before delete  
 Using trigger to backup for deletion

```
CREATE TABLE `hospitaldb`.`patient_backup` (
  `patientid` INT NOT NULL,
  `patinetFname` VARCHAR(45) not NULL,
  `patientLname` VARCHAR(45) not NULL,
  `patientSsn` VARCHAR(45) not NULL,
  `patientAddress` VARCHAR(45) not NULL,
  `AdmitDate` Date not null,
  `physicianID` int not null,
  `OutPatient` VARCHAR(45) not NULL,
  `ResidentPatient` VARCHAR(45) not NULL,
  PRIMARY KEY (`patientid`));
```

delimiter \$\$

```
create trigger `patient_delete_backup`
before delete on `patient`
for each row
begin
  insert into patient_backup
  values (old.PatientID, old.FirstName, old.LastName, old.ssn, old.address, old.AdmitDate,
  old.PhyID, old.OutPatient, old.ResidentPatient);
end;
$$
```

-- -- delete a record to observe the change

```
insert into `patient` values (9, 'Fanny', 'Davis', '666', 'Beijing', '2018-4-27', 3, 'N', 'Y');
delete from `patient` where PatientID = 9;
```

	patientid	patinetFname	patientLname	patientSsn	patientAddress	AdmitDate	physicianID	OutPatient	ResidentPatient
	9	Fannv	Davis	666	Beijing	2018-04-27	3	N	Y
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

- Trigger 4: After delete -- ResidentPatient Table

```
Create Table `hospitaldb`.`Resientpatient_deletedRecords` (
  `UID` int not null auto_increment,
  `username` varchar(45) not null,
```

```
`Date` Date not null,  
`patientID` int not null,  
primary key (`UID`));
```

```
delimiter //
```

```
create trigger trigger_deleted_patient after delete on residentpatient for each row
```

```
begin
```

```
insert into Resientpatient_deletedRecords values(user(), now(), old.patientID);
```

```
end; //
```

```
-- delete a record to see the changes
```

```
insert into `patient` values (10, 'Fanny', 'Davis', '666', 'Beijing', '2018-4-27', 3, 'N', 'Y');
```

```
delete from residentpatient where patientID = 10;
```

```
select * from Resientpatient_deletedRecords;
```

	UID	username	Date	patientID
	1	root@localhost	2018-04-26	10
	NULL	NULL	NULL	NULL

## V Views

- view ResidentPatient

```
create view `view_ResidentPatient`
```

```
AS
```

```
select patient.PatientID, FirstName, LastName, ssn, address, AdmitDate,
residentpatient.DischargedDate, building.BuildingName, residentpatient.RoomID,
residentpatient.BedID
from patient inner join residentpatient on patient.PatientID = residentpatient.PatientID
inner join building on building.BID = residentpatient.BID;
```

	PatientID	FirstName	LastName	ssn	address	AdmitDate	DischargedDate	BuildingName	RoomID	BedID
	2	haha	Smith	456	Boston	2018-04-26	2018-05-30	South Building	100	1
	4	Mike	Davis	233	California	2018-04-27	2018-06-10	South Building	101	2
	10	Fannv	Davis	666	Beijing	2018-04-27	2018-08-20	South Building	100	1
	5	Jane	Smith	333	Malden	2018-04-26	2018-07-20	North Building	200	2

view\_OutPatient

```
create view `view_OutPatient` AS
```

```
select patient.PatientID, FirstName, LastName, ssn, address, AdmitDate,
outpatient.CheckBackDate
from patient inner join outpatient on patient.PatientID = outpatient.PatientID;
```

	PatientID	FirstName	LastName	ssn	address	AdmitDate	CheckBackDate
	1	Mulin	Zhang	123	Malden	2018-04-25	2018-04-30
	3	Bob	Brown	556	Washington	2018-04-26	2018-04-29
	6	Fannv	Davis	666	Beijing	2018-04-27	2018-04-28

- view treatment

```
create view `view_treatment` AS
```

```
select patient.PatientID, patient.FirstName as PatientFirstName, patient.LastName as
PatientLastName, patient.AdmitDate, physician.FirstName as PhysicianFirstName,
physician.LastName as PhysicianLastName,
treat.Date, treat.Time, treatment.Description, treat.Result
from patient inner join treat on patient.PatientID = treat.PatientID
inner join treatment on treat.TreatID = treatment.TreatID
inner join physician on treat.PhysID = physician.PhysID;
```

	PatientID	PatientFirstName	PatientLastName	AdmitDate	PhysicianFirstName	PhysicianLastName	Date	Time	Description	Result
	2	haha	Smith	2018-04-26	Vanessa	Smith	2018-04-26	13:00	Prescription	Pending
	1	Mulin	Zhang	2018-04-25	Alula	Zhang	2018-04-25	13:00	Consultation	Pending
	1	Mulin	Zhang	2018-04-25	Alula	Zhang	2018-04-25	14:00	Prescription	Pending
	4	Mike	Davis	2018-04-27	Alula	Zhang	2018-04-27	10:00	Hospitalization	Completed
	6	Fannv	Davis	2018-04-27	Yif	Liu	2018-04-27	22:00	Consultation	Pending
	3	Bob	Brown	2018-04-26	Yif	Liu	2018-04-26	8:00	Prescription	Completed
	5	Jane	Smith	2018-04-26	Suibian	WUsuowei	2018-04-26	8:00	Hospitalization	Completed
	5	Jane	Smith	2018-04-26	Suibian	WUsuowei	2018-04-27	18:00	Surgeon	Pending

- view\_consumedItems

```
create view `view_consumedItems` AS
select patient.PatientID, patient.FirstName as PatientFirstName, patient.LastName as PatientLastName, patient.AdmitDate,
consumes.ConsumeDate, consumes.ItemID, consumes.Quantity, items.Description,
items.UnitPrice, consumes.TotalPrice
from patient inner join consumes on patient.PatientID = consumes.PatientID
inner join items on consumes.ItemID = items.ItemID;
```

	PatientID	PatientFirstName	PatientLastName	AdmitDate	ConsumeDate	ItemID	Quantity	Description	UnitPrice	TotalPrice
	1	Muiin	Zhang	2018-04-25	2018-04-25	1	2	Anti-inflammatory	88.8	177.6
	5	Jane	Smith	2018-04-26	2018-04-26	1	4	Anti-inflammatory	88.8	355.2
	1	Muiin	Zhang	2018-04-25	2018-04-25	2	2	headache	100.9	201.8
	5	Jane	Smith	2018-04-26	2018-04-26	2	1	headache	100.9	100.9
	3	Bob	Brown	2018-04-26	2018-04-26	3	4	cold	20.3	81.2
	6	Fanny	Davis	2018-04-27	2018-04-27	4	5	trauma	55.5	277.5
	4	Mike	Davis	2018-04-27	2018-04-27	5	1	prevention	330.4	330.4

- view\_carecenterinfo

```
select carecenter.CcID, carecenter.CcName, carecenter.telephoneNumber, building.BuildingName,
carecenteremployee.FirstName as employeeFirstName, carecenteremployee.LastName as employeeLastName,
carecenteremployee.PhoneNumber, carecenteremployee.Email
from carecenter inner join building on carecenter.BID = building.BID
inner join employs on carecenter.CcID = employs.CcID
inner join carecenteremployee on employs.EmpID = carecenteremployee.EmpID;
```

	CcID	CcName	telephoneNumber	BuildingName	employeeFirstName	employeeLastName
	1	internal medicine	123-456-789	South Building	Johns	Bob
	1	internal medicine	123-456-789	South Building	Smith	Kate
	2	surgeon	111-222-333	North Building	Johns	Bob
	2	surgeon	111-222-333	North Building	Mui	Isebella

## VI Stores Procedures

- *p\_findPatientPhysician*

Delimiter //

```
create procedure p_findPatientPhysician (in pFn varchar(45), in pLn varchar(45))
begin
select physician.FirstName as PhysicianFirstName, physician.LastName as PhysicianLastName
from physician inner join Patient on patient.PhyID = physician.PhyID
and patient.FirstName = pFn and patient.LastName = pLn;
end;//
call p_findPatientPhysician ('Bob', 'Brown');
```

	PhysicianFirstName	PhysicianLastName
	Yif	Liu

- *p\_findResidentPatientLocation*

```
create procedure p_findResidentPatientLocation (in pid int)
begin
select          view_residentpatient.BuildingName,          view_residentpatient.RoomID,
view_residentpatient.BedID
from view_residentpatient
where PatientID = pid;
end;//
```

```
call p_findResidentPatientLocation(4);
```

	BuildingName	RoomID	BedID
	South Building	101	2

- *p\_PatientConsumedItems*

Delimiter //

```
create procedure p_PatientConsumedItems (in pid int)
begin
select          view_consumeditems.ItemID,          view_consumeditems.ConsumeDate,
view_consumeditems.Quantity, view_consumeditems.Description
from view_consumeditems
where PatientID = pid;
end;//
```

```
call p_PatientConsumedItems(1);
```



	ItemID	ConsumeDate	Quantity	Description
	1	2018-04-25	2	Anti-inflammatory
	2	2018-04-25	2	headache

- p\_PatientPaymentBills

Delimiter //

create procedure p\_PatientPaymentBills (in pid int)

begin

select view\_consumeditems.ConsumeDate, view\_consumeditems.ItemID,  
view\_consumeditems.Quantity, view\_consumeditems.UnitPrice, view\_consumeditems.TotalPrice  
from view\_consumeditems

where PatientID = pid;

end; //

call p\_PatientPaymentBills(1);

	ConsumeDate	ItemID	Quantity	UnitPrice	TotalPrice
	2018-04-25	1	2	88.8	177.6
	2018-04-25	2	2	100.9	201.8

- p\_findAllPatientsInACertainDate

create procedure p\_findAllPatientsInACertainDate (in d Date)

begin

select patient.PatientID, patient.FirstName, patient.LastName  
from patient

where patient.AdmitDate = d;

end; //

call p\_findAllPatientsInACertainDate('2018-4-26');

	PatientID	FirstName	LastName
	2	haha	Smith
	3	Bob	Brown
	5	Jane	Smith

- p\_PhysicianAllPatients

Delimiter //

create procedure p\_PhysicianAllPatients (in pid int)

begin

select patient.PatientID, patient.FirstName, patient.LastName, patient.AdmitDate,  
patient.OutPatient, patient.ResidentPatient

from patient

where patient.PhyID = pid;

end; //

call p\_PhysicianAllPatients(2);

	PatientID	FirstName	LastName	AdmitDate	OutPatient	ResidentPatient
	1	Muiin	Zhang	2018-04-25	Y	N
	4	Mike	Davis	2018-04-27	N	Y

- p\_findAllReceivedTreatmentForAPatient

Delimiter //

create procedure p\_findAllReceivedTreatmentForAPatient (in pid int)

begin

select            view\_treatment.PatientFirstName,            view\_treatment.PatientLastName,  
view\_treatment.Date, view\_treatment.Time, view\_treatment.Description as TreatmentDetails,  
view\_treatment.Result

from view\_treatment

where PatientID = pid;

end; //

call p\_findAllReceivedTreatmentForAPatient(1);

	PatientFirstName	PatientLastName	Date	Time	TreatmentDetails	Result
	Muiin	Zhang	2018-04-25	13:00	Consultation	Pending
	Muiin	Zhang	2018-04-25	14:00	Prescription	Pending

- p\_searchCertainCareCenterInfo

Delimiter //

create procedure p\_searchCertainCareCenterInfo (in cid int)

begin

select            view\_carecenterinfo.CcName,            view\_carecenterinfo.telephoneNumber            as  
ContactPhoneNumber,            view\_carecenterinfo.BuildingName,  
view\_carecenterinfo.employeeFirstName, view\_carecenterinfo.employeeLastName

from view\_carecenterinfo

where CcID = cid;

end; //

call p\_searchCertainCareCenterInfo(1);

	CcName	ContactPhoneNumber	BuildingName	employeeFirstName	employeeLastName
	internal medicine	123-456-789	South Building	Johns	Bob
	internal medicine	123-456-789	South Building	Smith	Kate

## VII Appendix Section

```
CREATE DATABASE IF NOT EXISTS `hospitaldb` /*!40100 DEFAULT CHARACTER SET latin1 */;
USE `hospitaldb`;
-- MySQL dump 10.13  Distrib 5.7.17, for Win64 (x86_64)
--
-- Host: 127.0.0.1    Database: hospitaldb
--
-- Server version    5.6.39

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

--
-- Table structure for table `bed`
--

DROP TABLE IF EXISTS `bed`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `bed` (
  `BedID` int(11) NOT NULL AUTO_INCREMENT,
  `BedType` varchar(45) NOT NULL,
  `RoomID` int(11) NOT NULL,
  `CcID` int(11) NOT NULL,
  `BID` int(11) NOT NULL,
  PRIMARY KEY (`BedID`,`RoomID`,`CcID`,`BID`),
  KEY `fk_Bed_Room1_idx` (`RoomID`,`CcID`,`BID`),
  CONSTRAINT `fk_Bed_Room1` FOREIGN KEY (`RoomID`, `CcID`, `BID`) REFERENCES `room`
  (`RoomID`, `CcID`, `BID`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `bed`
--
```

```

LOCK TABLES `bed` WRITE;
/*!40000 ALTER TABLE `bed` DISABLE KEYS */;
INSERT INTO `bed` VALUES
(1,'VIP',100,1,1),(1,'Nomal',101,1,1),(1,'Nomal',200,2,2),(2,'Nomal',101,1,1),(2,'Nomal',200,2,2);
/*!40000 ALTER TABLE `bed` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `building`
--

```

```

DROP TABLE IF EXISTS `building`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `building` (
  `BID` int(11) NOT NULL AUTO_INCREMENT,
  `BuildingName` varchar(45) NOT NULL,
  PRIMARY KEY (`BID`),
  UNIQUE KEY `BID_UNIQUE` (`BID`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `building`
--

```

```

LOCK TABLES `building` WRITE;
/*!40000 ALTER TABLE `building` DISABLE KEYS */;
INSERT INTO `building` VALUES (1,'South Building'),(2,'North Building');
/*!40000 ALTER TABLE `building` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `carecenter`
--

```

```

DROP TABLE IF EXISTS `carecenter`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `carecenter` (
  `CcID` int(11) NOT NULL AUTO_INCREMENT,
  `CcName` varchar(45) NOT NULL,
  `BID` int(11) NOT NULL,

```

```

        `telephoneNumber` varchar(45) NOT NULL,
        PRIMARY KEY (`CcdID`),
        UNIQUE KEY `CcdID_UNIQUE` (`CcdID`),
        KEY `fk_CareCenter_Building1_idx` (`BID`),
        CONSTRAINT `fk_CareCenter_Building1` FOREIGN KEY (`BID`) REFERENCES `building` (`BID`) ON
        DELETE NO ACTION ON UPDATE NO ACTION
    ) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `carecenter`
--

```

```

LOCK TABLES `carecenter` WRITE;
/*!40000 ALTER TABLE `carecenter` DISABLE KEYS */;
INSERT INTO `carecenter` VALUES (1,'internal
medicine',1,'123-456-789'),(2,'surgery',2,'111-222-333');
/*!40000 ALTER TABLE `carecenter` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `carecenteremployee`
--

```

```

DROP TABLE IF EXISTS `carecenteremployee`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `carecenteremployee` (
  `EmpID` int(11) NOT NULL AUTO_INCREMENT,
  `LastName` varchar(45) NOT NULL,
  `FirstName` varchar(45) NOT NULL,
  `PhoneNumber` varchar(45) NOT NULL,
  `Email` varchar(45) NOT NULL,
  PRIMARY KEY (`EmpID`),
  UNIQUE KEY `EmpID_UNIQUE` (`EmpID`)
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `carecenteremployee`
--

```

```

LOCK TABLES `carecenteremployee` WRITE;
/*!40000 ALTER TABLE `carecenteremployee` DISABLE KEYS */;

```

```

INSERT          INTO          `carecenteremployee`          VALUES
(1,'Bob','Johns','987-654-321','111@hhh.com'),(2,'Kate','Smith','123-131-434','222@hhh.com'),(3,
'Isebella','Muji','932-232-123','333@hhh.com');
/*!40000 ALTER TABLE `carecenteremployee` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `consumes`
--

```

```

DROP TABLE IF EXISTS `consumes`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `consumes` (
  `PatientID` int(11) NOT NULL,
  `ItemID` int(11) NOT NULL,
  `ConsumeDate` date NOT NULL,
  `Quantity` int(11) NOT NULL,
  `TotalPrice` double NOT NULL,
  PRIMARY KEY (`PatientID`,`ItemID`),
  KEY `fk_Patient_has_Items_Items1_idx` (`ItemID`),
  KEY `fk_Patient_has_Items_Patient1_idx` (`PatientID`),
  CONSTRAINT `fk_Patient_has_Items_Items1` FOREIGN KEY (`ItemID`) REFERENCES `items`
(`ItemID`) ON DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT `fk_Patient_has_Items_Patient1` FOREIGN KEY (`PatientID`) REFERENCES
`patient` (`PatientID`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `consumes`
--

```

```

LOCK TABLES `consumes` WRITE;
/*!40000 ALTER TABLE `consumes` DISABLE KEYS */;
INSERT          INTO          `consumes`          VALUES
(1,1,'2018-04-25',2,177.6),(1,2,'2018-04-25',2,201.8),(3,3,'2018-04-26',4,81.2),(4,5,'2018-04-27',1,
330.4),(5,1,'2018-04-26',4,355.2),(5,2,'2018-04-26',1,100.9),(6,4,'2018-04-27',5,277.5);
/*!40000 ALTER TABLE `consumes` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `employs`
--

```



```

DROP TABLE IF EXISTS `employs`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `employs` (
  `EmpID` int(11) NOT NULL,
  `CclD` int(11) NOT NULL,
  PRIMARY KEY (`EmpID`,`CclD`),
  KEY `fk_Employee_has_CareCenter_CareCenter1_idx` (`CclD`),
  KEY `fk_Employee_has_CareCenter_Employee_idx` (`EmpID`),
  CONSTRAINT `fk_Employee_has_CareCenter_CareCenter1` FOREIGN KEY (`CclD`) REFERENCES
`carecenter` (`CclD`) ON DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT `fk_Employee_has_CareCenter_Employee` FOREIGN KEY (`EmpID`) REFERENCES
`carecenteremployee` (`EmpID`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `employs`
--

LOCK TABLES `employs` WRITE;
/*!40000 ALTER TABLE `employs` DISABLE KEYS */;
INSERT INTO `employs` VALUES (1,1),(2,1),(1,2),(3,2);
/*!40000 ALTER TABLE `employs` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `items`
--

DROP TABLE IF EXISTS `items`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `items` (
  `ItemID` int(11) NOT NULL AUTO_INCREMENT,
  `Description` varchar(45) NOT NULL,
  `ItemType` varchar(45) NOT NULL,
  `UnitPrice` double NOT NULL,
  PRIMARY KEY (`ItemID`),
  UNIQUE KEY `ItemID_UNIQUE` (`ItemID`)
) ENGINE=InnoDB AUTO_INCREMENT=6 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `items`
--

LOCK TABLES `items` WRITE;
/*!40000 ALTER TABLE `items` DISABLE KEYS */;
INSERT INTO `items` VALUES
(1,'Anti-inflammatory','Oral',88.8),(2,'headache','Oral',100.9),(3,'cold','Oral',20.3),(4,'trauma','Ext
ernal',55.5),(5,'prevention','injection',330.4);
/*!40000 ALTER TABLE `items` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `outpatient`
--

DROP TABLE IF EXISTS `outpatient`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `outpatient` (
  `PatientID` int(11) NOT NULL,
  `CheckBackDate` date NOT NULL,
  PRIMARY KEY (`PatientID`),
  KEY `fk_OutPatient_Patient1_idx` (`PatientID`),
  CONSTRAINT `fk_OutPatient_Patient1` FOREIGN KEY (`PatientID`) REFERENCES `patient`
(`PatientID`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `outpatient`
--

LOCK TABLES `outpatient` WRITE;
/*!40000 ALTER TABLE `outpatient` DISABLE KEYS */;
INSERT INTO `outpatient` VALUES
(1,'2018-04-30'),(3,'2018-04-29'),(6,'2018-04-28'),(7,'0000-00-00');
/*!40000 ALTER TABLE `outpatient` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `patient`
--

```

```

DROP TABLE IF EXISTS `patient`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `patient` (
  `PatientID` int(11) NOT NULL AUTO_INCREMENT,
  `FirstName` varchar(45) NOT NULL,
  `LastName` varchar(45) NOT NULL,
  `ssn` varchar(45) NOT NULL,
  `address` varchar(45) NOT NULL,
  `AdmitDate` date NOT NULL,
  `PhyID` int(11) NOT NULL,
  `OutPatient` varchar(45) NOT NULL,
  `ResidentPatient` varchar(45) NOT NULL,
  PRIMARY KEY (`PatientID`),
  UNIQUE KEY `PatientID_UNIQUE` (`PatientID`),
  KEY `fk_Patient_Physician1_idx` (`PhyID`),
  CONSTRAINT `fk_Patient_Physician1` FOREIGN KEY (`PhyID`) REFERENCES `physician` (`PhyID`)
ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB AUTO_INCREMENT=11 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `patient`
--

LOCK TABLES `patient` WRITE;
/*!40000 ALTER TABLE `patient` DISABLE KEYS */;
INSERT INTO `patient` VALUES
(1,'Mujin','Zhang','123','Malden','2018-04-25',2,'Y','N'),(2,'haha','Smith','456','Boston','2018-04-26',1,'N','Y'),(3,'Bob','Brown','556','Washington','2018-04-26',3,'Y','N'),(4,'Mike','Davis','233','California','2018-04-27',2,'N','Y'),(5,'Jane','Smith','333','Malden','2018-04-26',4,'N','Y'),(6,'Fanny','Davis','666','Beijing','2018-04-27',3,'Y','N'),(7,'Fanny','Davis','666','Beijing','2018-04-27',3,'Y','N'),(8,'Fanny','Davis','666','Beijing','2018-04-27',3,'N','N'),(9,'Fanny','Davis','666','Beijing','2018-04-27',3,'N','Y'),(10,'Fanny','Davis','666','Beijing','2018-04-27',3,'N','Y');
/*!40000 ALTER TABLE `patient` ENABLE KEYS */;
UNLOCK TABLES;
/*!50003 SET @saved_cs_client      = @@character_set_client */;
/*!50003 SET @saved_cs_results     = @@character_set_results */;
/*!50003 SET @saved_col_connection = @@collation_connection */;
/*!50003 SET character_set_client  = utf8 */;
/*!50003 SET character_set_results = utf8 */;
/*!50003 SET collation_connection  = utf8_general_ci */;
/*!50003 SET @saved_sql_mode       = @@sql_mode */;
/*!50003 SET sql_mode              = 'NO_ENGINE_SUBSTITUTION' */;

```

```

DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER=`root`@`localhost`*/ /*!50003 TRIGGER
`hospitaldb`.`patient_AFTER_INSERT` AFTER INSERT ON `patient` FOR EACH ROW
BEGIN
if(new.OutPatient = 'Y')
then
insert into outpatient(PatientID) values(new.PatientID);
end if;
if(new.ResidentPatient = 'Y')
then
insert into residentpatient(PatientID, BedID, RoomID, CcID, BID) values(new.PatientID, 1, 100, 1,
1);
end if;
END */;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */;
/*!50003 SET character_set_client = @saved_cs_client */;
/*!50003 SET character_set_results = @saved_cs_results */;
/*!50003 SET collation_connection = @saved_col_connection */;
/*!50003 SET @saved_cs_client = @@character_set_client */;
/*!50003 SET @saved_cs_results = @@character_set_results */;
/*!50003 SET @saved_col_connection = @@collation_connection */;
/*!50003 SET character_set_client = utf8 */;
/*!50003 SET character_set_results = utf8 */;
/*!50003 SET collation_connection = utf8_general_ci */;
/*!50003 SET @saved_sql_mode = @@sql_mode */;
/*!50003 SET sql_mode = 'NO_ENGINE_SUBSTITUTION' */;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER=`root`@`localhost`*/ /*!50003 TRIGGER
`hospitaldb`.`patient_AFTER_UPDATE` AFTER UPDATE ON `patient` FOR EACH ROW
BEGIN
insert into patient_log (username, patientID, oldname, newname)
values (user(), old.PatientID, old.FirstName, new.FirstName);
END */;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */;
/*!50003 SET character_set_client = @saved_cs_client */;
/*!50003 SET character_set_results = @saved_cs_results */;
/*!50003 SET collation_connection = @saved_col_connection */;
/*!50003 SET @saved_cs_client = @@character_set_client */;
/*!50003 SET @saved_cs_results = @@character_set_results */;
/*!50003 SET @saved_col_connection = @@collation_connection */;
/*!50003 SET character_set_client = utf8 */;
/*!50003 SET character_set_results = utf8 */;

```

```

/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode      = @@sql_mode */ ;
/*!50003 SET sql_mode             = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER=`root`@`localhost`*/ /*!50003 TRIGGER
`hospitaldb`.`patient_BEFORE_DELETE` BEFORE DELETE ON `patient` FOR EACH ROW
BEGIN
    insert into patient_backup
    values (old.PatientID, old.FirstName, old.LastName, old.ssn, old.address, old.AdmitDate,
old.PhyID, old.OutPatient, old.ResidentPatient);
END */;;
DELIMITER ;
/*!50003 SET sql_mode             = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;
/*!50003 SET @saved_cs_client     = @@character_set_client */ ;
/*!50003 SET @saved_cs_results    = @@character_set_results */ ;
/*!50003 SET @saved_col_connection = @@collation_connection */ ;
/*!50003 SET character_set_client = utf8 */ ;
/*!50003 SET character_set_results = utf8 */ ;
/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode      = @@sql_mode */ ;
/*!50003 SET sql_mode             = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER=`root`@`localhost`*/ /*!50003 TRIGGER
`hospitaldb`.`patient_AFTER_DELETE` AFTER DELETE ON `patient` FOR EACH ROW
BEGIN
insert into patient_deletedRecords values(user(), now(), old.patientID);
END */;;
DELIMITER ;
/*!50003 SET sql_mode             = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;

--
-- Table structure for table `patient_backup`
--

DROP TABLE IF EXISTS `patient_backup`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `patient_backup` (

```

```

`patientid` int(11) NOT NULL,
`patinetFname` varchar(45) NOT NULL,
`patientLname` varchar(45) NOT NULL,
`patientSsn` varchar(45) NOT NULL,
`patientAddress` varchar(45) NOT NULL,
`AdmitDate` date NOT NULL,
`physicianID` int(11) NOT NULL,
`OutPatient` varchar(45) NOT NULL,
`ResidentPatient` varchar(45) NOT NULL,
PRIMARY KEY (`patientid`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `patient_backup`
--

LOCK TABLES `patient_backup` WRITE;
/*!40000 ALTER TABLE `patient_backup` DISABLE KEYS */;
INSERT INTO `patient_backup` VALUES (9,'Fanny','Davis','666','Beijing','2018-04-27',3,'N','Y');
/*!40000 ALTER TABLE `patient_backup` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `patient_deletedrecords`
--

DROP TABLE IF EXISTS `patient_deletedrecords`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `patient_deletedrecords` (
  `UID` int(11) NOT NULL AUTO_INCREMENT,
  `username` varchar(45) NOT NULL,
  `Date` date NOT NULL,
  `patientID` int(11) NOT NULL,
  PRIMARY KEY (`UID`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `patient_deletedrecords`
--

LOCK TABLES `patient_deletedrecords` WRITE;

```



```

/*!40000 ALTER TABLE `patient_deletedrecords` DISABLE KEYS */;
/*!40000 ALTER TABLE `patient_deletedrecords` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `patient_log`
--

DROP TABLE IF EXISTS `patient_log`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `patient_log` (
  `UID` int(11) NOT NULL AUTO_INCREMENT,
  `username` varchar(45) DEFAULT NULL,
  `patientID` int(11) DEFAULT NULL,
  `oldname` varchar(45) DEFAULT NULL,
  `newname` varchar(45) DEFAULT NULL,
  PRIMARY KEY (`UID`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `patient_log`
--

LOCK TABLES `patient_log` WRITE;
/*!40000 ALTER TABLE `patient_log` DISABLE KEYS */;
INSERT INTO `patient_log` VALUES
(1,'root@localhost',2,'Kitty','haha'),(2,'root@localhost',1,'Yifan','Mujin');
/*!40000 ALTER TABLE `patient_log` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `physician`
--

DROP TABLE IF EXISTS `physician`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `physician` (
  `PhyID` int(11) NOT NULL AUTO_INCREMENT,
  `FirstName` varchar(45) NOT NULL,
  `LastName` varchar(45) NOT NULL,
  PRIMARY KEY (`PhyID`),

```

```

    UNIQUE KEY `PhyID_UNIQUE` (`PhyID`)
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `physician`
--

LOCK TABLES `physician` WRITE;
/*!40000 ALTER TABLE `physician` DISABLE KEYS */;
INSERT INTO `physician` VALUES
(1,'Vanessa','Smith'),(2,'Alula','Zhang'),(3,'Yif','Liu'),(4,'Suibian','WUsuowei');
/*!40000 ALTER TABLE `physician` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `residentpatient`
--

DROP TABLE IF EXISTS `residentpatient`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `residentpatient` (
  `PatientID` int(11) NOT NULL,
  `DischargedDate` date NOT NULL,
  `BedID` int(11) NOT NULL,
  `RoomID` int(11) NOT NULL,
  `CcID` int(11) NOT NULL,
  `BID` int(11) NOT NULL,
  PRIMARY KEY (`PatientID`),
  KEY `fk_ResidentPatient_Patient1_idx` (`PatientID`),
  KEY `fk_ResidentPatient_Bed1_idx` (`BedID`,`RoomID`,`CcID`,`BID`),
  CONSTRAINT `fk_ResidentPatient_Bed1` FOREIGN KEY (`BedID`, `RoomID`, `CcID`, `BID`)
REFERENCES `bed` (`BedID`, `RoomID`, `CcID`, `BID`) ON DELETE NO ACTION ON UPDATE NO
ACTION,
  CONSTRAINT `fk_ResidentPatient_Patient1` FOREIGN KEY (`PatientID`) REFERENCES `patient`
(`PatientID`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `residentpatient`
--

```

```

LOCK TABLES `residentpatient` WRITE;
/*!40000 ALTER TABLE `residentpatient` DISABLE KEYS */;
INSERT INTO `residentpatient` VALUES
(2,'2018-05-30',1,100,1,1),(4,'2018-06-10',2,101,1,1),(5,'2018-07-20',2,200,2,2),(10,'2018-08-20',
1,100,1,1);
/*!40000 ALTER TABLE `residentpatient` ENABLE KEYS */;
UNLOCK TABLES;
/*!50003 SET @saved_cs_client      = @@character_set_client */;
/*!50003 SET @saved_cs_results     = @@character_set_results */;
/*!50003 SET @saved_col_connection = @@collation_connection */;
/*!50003 SET character_set_client  = utf8 */;
/*!50003 SET character_set_results = utf8 */;
/*!50003 SET collation_connection  = utf8_general_ci */;
/*!50003 SET @saved_sql_mode       = @@sql_mode */;
/*!50003 SET sql_mode              = 'NO_ENGINE_SUBSTITUTION' */;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER=`root`@`localhost`*/ /*!50003 TRIGGER
`hospitaldb`.`residentpatient_AFTER_DELETE` AFTER DELETE ON `residentpatient` FOR EACH
ROW
BEGIN
insert into Resientpatient_deletedRecords values(user(), now(), old.patientID);
END */;;
DELIMITER ;
/*!50003 SET sql_mode              = @saved_sql_mode */;
/*!50003 SET character_set_client  = @saved_cs_client */;
/*!50003 SET character_set_results = @saved_cs_results */;
/*!50003 SET collation_connection  = @saved_col_connection */;

--
-- Table structure for table `resientpatient_deletedrecords`
--

DROP TABLE IF EXISTS `resientpatient_deletedrecords`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client  = utf8 */;
CREATE TABLE `resientpatient_deletedrecords` (
  `UID` int(11) NOT NULL AUTO_INCREMENT,
  `username` varchar(45) NOT NULL,
  `Date` date NOT NULL,
  `patientID` int(11) NOT NULL,
  PRIMARY KEY (`UID`)
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `resientpatient_deletedrecords`
--

LOCK TABLES `resientpatient_deletedrecords` WRITE;
/*!40000 ALTER TABLE `resientpatient_deletedrecords` DISABLE KEYS */;
INSERT INTO `resientpatient_deletedrecords` VALUES (1,'root@localhost','2018-04-26',10);
/*!40000 ALTER TABLE `resientpatient_deletedrecords` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `room`
--

DROP TABLE IF EXISTS `room`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `room` (
  `RoomID` int(11) NOT NULL AUTO_INCREMENT,
  `NumOfBeds` int(11) NOT NULL,
  `CcID` int(11) NOT NULL,
  `BID` int(11) NOT NULL,
  PRIMARY KEY (`RoomID`,`CcID`,`BID`),
  UNIQUE KEY `RoomID_UNIQUE` (`RoomID`),
  KEY `fk_Room_CareCenter1_idx` (`CcID`),
  KEY `fk_Room_Building1_idx` (`BID`),
  CONSTRAINT `fk_Room_Building1` FOREIGN KEY (`BID`) REFERENCES `building` (`BID`) ON
DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT `fk_Room_CareCenter1` FOREIGN KEY (`CcID`) REFERENCES `carecenter` (`CcID`)
ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB AUTO_INCREMENT=202 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `room`
--

LOCK TABLES `room` WRITE;
/*!40000 ALTER TABLE `room` DISABLE KEYS */;
INSERT INTO `room` VALUES (100,1,1,1),(101,2,1,1),(200,2,2,2),(201,8,2,2);
/*!40000 ALTER TABLE `room` ENABLE KEYS */;
UNLOCK TABLES;

--

```

```

-- Table structure for table `treat`
--

DROP TABLE IF EXISTS `treat`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `treat` (
  `TreatID` int(11) NOT NULL,
  `PatientID` int(11) NOT NULL,
  `PhyID` int(11) NOT NULL,
  `Date` date NOT NULL,
  `Time` varchar(45) NOT NULL,
  `Result` varchar(45) NOT NULL,
  PRIMARY KEY (`TreatID`,`PatientID`,`PhyID`),
  KEY `fk_Treatment_has_Patient_Patient1_idx` (`PatientID`),
  KEY `fk_Treatment_has_Patient_Treatment1_idx` (`TreatID`),
  KEY `fk_Treat_Physician1_idx` (`PhyID`),
  CONSTRAINT `fk_Treat_Physician1` FOREIGN KEY (`PhyID`) REFERENCES `physician` (`PhyID`)
ON DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT `fk_Treatment_has_Patient_Patient1` FOREIGN KEY (`PatientID`) REFERENCES `patient` (`PatientID`) ON DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT `fk_Treatment_has_Patient_Treatment1` FOREIGN KEY (`TreatID`) REFERENCES `treatment` (`TreatID`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `treat`
--

LOCK TABLES `treat` WRITE;
/*!40000 ALTER TABLE `treat` DISABLE KEYS */;
INSERT INTO `treat` VALUES
(1,1,2,'2018-04-25','13:00','Pending'),(1,6,3,'2018-04-27','22:00','Pending'),(2,1,2,'2018-04-25','14:00','Pending'),(2,2,1,'2018-04-26','13:00','Pending'),(2,3,3,'2018-04-26','8:00','Completed'),(3,4,2,'2018-04-27','10:00','Completed'),(3,5,4,'2018-04-26','8:00','Completed'),(4,5,4,'2018-04-27','18:00','Pending');
/*!40000 ALTER TABLE `treat` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `treatment`
--

```

```

DROP TABLE IF EXISTS `treatment`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `treatment` (
  `TreatID` int(11) NOT NULL AUTO_INCREMENT,
  `Description` varchar(45) NOT NULL,
  PRIMARY KEY (`TreatID`),
  UNIQUE KEY `TreatmentID_UNIQUE` (`TreatID`)
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `treatment`
--

LOCK TABLES `treatment` WRITE;
/*!40000 ALTER TABLE `treatment` DISABLE KEYS */;
INSERT INTO `treatment` VALUES
(1,'Consultation'),(2,'Prescription'),(3,'Hospitalization'),(4,'Surgery');
/*!40000 ALTER TABLE `treatment` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Temporary view structure for view `view_carecenterinfo`
--

DROP TABLE IF EXISTS `view_carecenterinfo`;
/*!50001 DROP VIEW IF EXISTS `view_carecenterinfo`*/;
SET @saved_cs_client      = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_carecenterinfo` AS SELECT
  1 AS `CclD`,
  1 AS `CcName`,
  1 AS `telephoneNumber`,
  1 AS `BuildingName`,
  1 AS `employeeFirstName`,
  1 AS `employeeLastName`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary view structure for view `view_consumeditems`
--

DROP TABLE IF EXISTS `view_consumeditems`;

```



```

/*!50001 DROP VIEW IF EXISTS `view_consumeditems`*/;
SET @saved_cs_client      = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_consumeditems` AS SELECT
  1 AS `PatientID`,
  1 AS `PatientFirstName`,
  1 AS `PatientLastName`,
  1 AS `AdmitDate`,
  1 AS `ConsumeDate`,
  1 AS `ItemID`,
  1 AS `Quantity`,
  1 AS `Description`,
  1 AS `UnitPrice`,
  1 AS `TotalPrice`*/;
SET character_set_client = @saved_cs_client;

```

```

--
-- Temporary view structure for view `view_outpatient`
--

```

```

DROP TABLE IF EXISTS `view_outpatient`;
/*!50001 DROP VIEW IF EXISTS `view_outpatient`*/;
SET @saved_cs_client      = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_outpatient` AS SELECT
  1 AS `PatientID`,
  1 AS `FirstName`,
  1 AS `LastName`,
  1 AS `ssn`,
  1 AS `address`,
  1 AS `AdmitDate`,
  1 AS `CheckBackDate`*/;
SET character_set_client = @saved_cs_client;

```

```

--
-- Temporary view structure for view `view_residentpatient`
--

```

```

DROP TABLE IF EXISTS `view_residentpatient`;
/*!50001 DROP VIEW IF EXISTS `view_residentpatient`*/;
SET @saved_cs_client      = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_residentpatient` AS SELECT
  1 AS `PatientID`,

```

```

1 AS `FirstName`,
1 AS `LastName`,
1 AS `ssn`,
1 AS `address`,
1 AS `AdmitDate`,
1 AS `DischargedDate`,
1 AS `BuildingName`,
1 AS `RoomID`,
1 AS `BedID`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary view structure for view `view_treatment`
--

DROP TABLE IF EXISTS `view_treatment`;
/*!50001 DROP VIEW IF EXISTS `view_treatment`*/;
SET @saved_cs_client      = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_treatment` AS SELECT
  1 AS `PatientID`,
  1 AS `PatientFirstName`,
  1 AS `PatientLastName`,
  1 AS `AdmitDate`,
  1 AS `PhysicianFirstName`,
  1 AS `PhysicianLastName`,
  1 AS `Date`,
  1 AS `Time`,
  1 AS `Description`,
  1 AS `Result`*/;
SET character_set_client = @saved_cs_client;

--
-- Dumping events for database 'hospitaldb'
--

--
-- Dumping routines for database 'hospitaldb'
--

/*!50003 DROP PROCEDURE IF EXISTS `p_findAllPatientsInACertainDate` */;
/*!50003 SET @saved_cs_client      = @@character_set_client */;
/*!50003 SET @saved_cs_results    = @@character_set_results */;
/*!50003 SET @saved_col_connection = @@collation_connection */;
/*!50003 SET character_set_client = utf8 */;

```

```

/*!50003 SET character_set_results = utf8 */ ;
/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode = @@sql_mode */ ;
/*!50003 SET sql_mode = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
CREATE DEFINER='root'@'localhost' PROCEDURE `p_findAllPatientsInACertainDate`(in d Date)
begin
select patient.PatientID, patient.FirstName, patient.LastName
from patient
where patient.AdmitDate = d;
end ;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;
/*!50003 DROP PROCEDURE IF EXISTS `p_findAllReceivedTreatmentForAPatient` */;
/*!50003 SET @saved_cs_client = @@character_set_client */ ;
/*!50003 SET @saved_cs_results = @@character_set_results */ ;
/*!50003 SET @saved_col_connection = @@collation_connection */ ;
/*!50003 SET character_set_client = utf8 */ ;
/*!50003 SET character_set_results = utf8 */ ;
/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode = @@sql_mode */ ;
/*!50003 SET sql_mode = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
CREATE DEFINER='root'@'localhost' PROCEDURE `p_findAllReceivedTreatmentForAPatient`(in
pid int)
begin
select view_treatment.PatientFirstName, view_treatment.PatientLastName,
view_treatment.Date, view_treatment.Time, view_treatment.Description as TreatmentDetails,
view_treatment.Result
from view_treatment
where PatientID = pid;
end ;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;
/*!50003 DROP PROCEDURE IF EXISTS `p_findPatientPhysician` */;
/*!50003 SET @saved_cs_client = @@character_set_client */ ;
/*!50003 SET @saved_cs_results = @@character_set_results */ ;
/*!50003 SET @saved_col_connection = @@collation_connection */ ;

```

```

/*!50003 SET character_set_client = utf8 */ ;
/*!50003 SET character_set_results = utf8 */ ;
/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode = @@sql_mode */ ;
/*!50003 SET sql_mode = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
CREATE DEFINER='root'@'localhost' PROCEDURE `p_findPatientPhysician`(in pFn varchar(45), in
pLn varchar(45))
begin
select physician.FirstName as PhysicianFirstName, physician.LastName as PhysicianLastName
from physician inner join Patient on patient.PhyID = physician.PhyID
and patient.FirstName = pFn and patient.LastName = pLn;
end ;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;
/*!50003 DROP PROCEDURE IF EXISTS `p_findResidentPatientLocation` */ ;
/*!50003 SET @saved_cs_client = @@character_set_client */ ;
/*!50003 SET @saved_cs_results = @@character_set_results */ ;
/*!50003 SET @saved_col_connection = @@collation_connection */ ;
/*!50003 SET character_set_client = utf8 */ ;
/*!50003 SET character_set_results = utf8 */ ;
/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode = @@sql_mode */ ;
/*!50003 SET sql_mode = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
CREATE DEFINER='root'@'localhost' PROCEDURE `p_findResidentPatientLocation`(in pid int)
begin
select view_residentpatient.BuildingName, view_residentpatient.RoomID,
view_residentpatient.BedID
from view_residentpatient
where PatientID = pid;
end ;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;
/*!50003 DROP PROCEDURE IF EXISTS `p_PatientConsumedItems` */ ;
/*!50003 SET @saved_cs_client = @@character_set_client */ ;
/*!50003 SET @saved_cs_results = @@character_set_results */ ;
/*!50003 SET @saved_col_connection = @@collation_connection */ ;

```

```

/*!50003 SET character_set_client = utf8 */ ;
/*!50003 SET character_set_results = utf8 */ ;
/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode = @@sql_mode */ ;
/*!50003 SET sql_mode = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
CREATE DEFINER=`root`@`localhost` PROCEDURE `p_PatientConsumedItems`(in pid int)
begin
select          view_consumeditems.ItemID,          view_consumeditems.ConsumeDate,
view_consumeditems.Quantity, view_consumeditems.Description
from view_consumeditems
where PatientID = pid;
end ;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;
/*!50003 DROP PROCEDURE IF EXISTS `p_PatientPaymentBills` */ ;
/*!50003 SET @saved_cs_client = @@character_set_client */ ;
/*!50003 SET @saved_cs_results = @@character_set_results */ ;
/*!50003 SET @saved_col_connection = @@collation_connection */ ;
/*!50003 SET character_set_client = utf8 */ ;
/*!50003 SET character_set_results = utf8 */ ;
/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode = @@sql_mode */ ;
/*!50003 SET sql_mode = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
CREATE DEFINER=`root`@`localhost` PROCEDURE `p_PatientPaymentBills`(in pid int)
begin
select          view_consumeditems.ConsumeDate,          view_consumeditems.ItemID,
view_consumeditems.Quantity, view_consumeditems.UnitPrice, view_consumeditems.TotalPrice
from view_consumeditems
where PatientID = pid;
end ;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;
/*!50003 DROP PROCEDURE IF EXISTS `p_PhysicianAllPatients` */ ;
/*!50003 SET @saved_cs_client = @@character_set_client */ ;
/*!50003 SET @saved_cs_results = @@character_set_results */ ;
/*!50003 SET @saved_col_connection = @@collation_connection */ ;

```

```

/*!50003 SET character_set_client = utf8 */ ;
/*!50003 SET character_set_results = utf8 */ ;
/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode = @@sql_mode */ ;
/*!50003 SET sql_mode = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
CREATE DEFINER=`root`@`localhost` PROCEDURE `p_PhysicianAllPatients`(in pid int)
begin
select patient.PatientID, patient.FirstName, patient.LastName, patient.AdmitDate,
patient.OutPatient, patient.ResidentPatient
from patient
where patient.PhyID = pid;
end ;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;
/*!50003 DROP PROCEDURE IF EXISTS `p_searchCertainCareCenterInfo` */ ;
/*!50003 SET @saved_cs_client = @@character_set_client */ ;
/*!50003 SET @saved_cs_results = @@character_set_results */ ;
/*!50003 SET @saved_col_connection = @@collation_connection */ ;
/*!50003 SET character_set_client = utf8 */ ;
/*!50003 SET character_set_results = utf8 */ ;
/*!50003 SET collation_connection = utf8_general_ci */ ;
/*!50003 SET @saved_sql_mode = @@sql_mode */ ;
/*!50003 SET sql_mode = 'NO_ENGINE_SUBSTITUTION' */ ;
DELIMITER ;;
CREATE DEFINER=`root`@`localhost` PROCEDURE `p_searchCertainCareCenterInfo`(in cid int)
begin
select view_carecenterinfo.CcName, view_carecenterinfo.telephoneNumber as
ContactPhoneNumber, view_carecenterinfo.BuildingName,
view_carecenterinfo.employeeFirstName, view_carecenterinfo.employeeLastName
from view_carecenterinfo
where CcID = cid;
end ;;
DELIMITER ;
/*!50003 SET sql_mode = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;

--
-- Final view structure for view `view_carecenterinfo`

```

--

```
/*!50001 DROP VIEW IF EXISTS `view_carecenterinfo`*/;
/*!50001 SET @saved_cs_client          = @@character_set_client */;
/*!50001 SET @saved_cs_results         = @@character_set_results */;
/*!50001 SET @saved_col_connection     = @@collation_connection */;
/*!50001 SET character_set_client      = utf8 */;
/*!50001 SET character_set_results     = utf8 */;
/*!50001 SET collation_connection      = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001  VIEW    `view_carecenterinfo`  AS  select    `carecenter`.`CcID`      AS
`CcID`,`carecenter`.`CcName`          AS    `CcName`,`carecenter`.`telephoneNumber`  AS
`telephoneNumber`,`building`.`BuildingName`      AS
`BuildingName`,`carecenteremployee`.`FirstName`  AS
`employeeFirstName`,`carecenteremployee`.`LastName`  AS  `employeeLastName`  from
(((`carecenter` join `building` on((`carecenter`.`BID` = `building`.`BID`))) join `employs`
on((`carecenter`.`CcID` = `employs`.`CcID`))) join `carecenteremployee` on((`employs`.`EmpID` =
`carecenteremployee`.`EmpID`))) */;
/*!50001 SET character_set_client      = @saved_cs_client */;
/*!50001 SET character_set_results     = @saved_cs_results */;
/*!50001 SET collation_connection      = @saved_col_connection */;
```

--

-- Final view structure for view `view\_consumeditems`

--

```
/*!50001 DROP VIEW IF EXISTS `view_consumeditems`*/;
/*!50001 SET @saved_cs_client          = @@character_set_client */;
/*!50001 SET @saved_cs_results         = @@character_set_results */;
/*!50001 SET @saved_col_connection     = @@collation_connection */;
/*!50001 SET character_set_client      = utf8 */;
/*!50001 SET character_set_results     = utf8 */;
/*!50001 SET collation_connection      = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001  VIEW    `view_consumeditems`  AS  select    `patient`.`PatientID`    AS
`PatientID`,`patient`.`FirstName`      AS    `PatientFirstName`,`patient`.`LastName`  AS
`PatientLastName`,`patient`.`AdmitDate` AS    `AdmitDate`,`consumes`.`ConsumeDate`  AS
`ConsumeDate`,`consumes`.`ItemID`      AS    `ItemID`,`consumes`.`Quantity`        AS
`Quantity`,`items`.`Description`       AS    `Description`,`items`.`UnitPrice`     AS
`UnitPrice`,`consumes`.`TotalPrice`    AS    `TotalPrice`  from  ((`patient` join `consumes`
on((`patient`.`PatientID` = `consumes`.`PatientID`))) join `items` on((`consumes`.`ItemID` =
`items`.`ItemID`))) */;
```

```

/*!50001 SET character_set_client      = @saved_cs_client */;
/*!50001 SET character_set_results     = @saved_cs_results */;
/*!50001 SET collation_connection      = @saved_col_connection */;

--
-- Final view structure for view `view_outpatient`
--

/*!50001 DROP VIEW IF EXISTS `view_outpatient`*/;
/*!50001 SET @saved_cs_client          = @@character_set_client */;
/*!50001 SET @saved_cs_results         = @@character_set_results */;
/*!50001 SET @saved_col_connection     = @@collation_connection */;
/*!50001 SET character_set_client       = utf8 */;
/*!50001 SET character_set_results      = utf8 */;
/*!50001 SET collation_connection       = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001  VIEW `view_outpatient` AS select `patient`.`PatientID` AS
`PatientID`,`patient`.`FirstName` AS `FirstName`,`patient`.`LastName` AS
`LastName`,`patient`.`ssn` AS `ssn`,`patient`.`address` AS `address`,`patient`.`AdmitDate` AS
`AdmitDate`,`outpatient`.`CheckBackDate` AS `CheckBackDate` from (`patient` join `outpatient`
on((`patient`.`PatientID` = `outpatient`.`PatientID`))) */;
/*!50001 SET character_set_client      = @saved_cs_client */;
/*!50001 SET character_set_results     = @saved_cs_results */;
/*!50001 SET collation_connection      = @saved_col_connection */;

--
-- Final view structure for view `view_residentpatient`
--

/*!50001 DROP VIEW IF EXISTS `view_residentpatient`*/;
/*!50001 SET @saved_cs_client          = @@character_set_client */;
/*!50001 SET @saved_cs_results         = @@character_set_results */;
/*!50001 SET @saved_col_connection     = @@collation_connection */;
/*!50001 SET character_set_client       = utf8 */;
/*!50001 SET character_set_results      = utf8 */;
/*!50001 SET collation_connection       = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001  VIEW `view_residentpatient` AS select `patient`.`PatientID` AS
`PatientID`,`patient`.`FirstName` AS `FirstName`,`patient`.`LastName` AS
`LastName`,`patient`.`ssn` AS `ssn`,`patient`.`address` AS `address`,`patient`.`AdmitDate` AS
`AdmitDate`,`residentpatient`.`DischargedDate` AS `DischargedDate`,`building`.`BuildingName`
AS `BuildingName`,`residentpatient`.`RoomID` AS `RoomID`,`residentpatient`.`BedID` AS `BedID`

```



```

from ((`patient` join `residentpatient` on((`patient`.`PatientID` = `residentpatient`.`PatientID`)))
join `building` on((`building`.`BID` = `residentpatient`.`BID`))) */;
/*!50001 SET character_set_client      = @saved_cs_client */;
/*!50001 SET character_set_results     = @saved_cs_results */;
/*!50001 SET collation_connection      = @saved_col_connection */;

--
-- Final view structure for view `view_treatment`
--

/*!50001 DROP VIEW IF EXISTS `view_treatment` */;
/*!50001 SET @saved_cs_client          = @@character_set_client */;
/*!50001 SET @saved_cs_results        = @@character_set_results */;
/*!50001 SET @saved_col_connection    = @@collation_connection */;
/*!50001 SET character_set_client      = utf8 */;
/*!50001 SET character_set_results     = utf8 */;
/*!50001 SET collation_connection      = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001   VIEW      `view_treatment`   AS      select      `patient`.`PatientID`   AS
`PatientID`,`patient`.`FirstName`      AS      `PatientFirstName`,`patient`.`LastName`   AS
`PatientLastName`,`patient`.`AdmitDate`   AS      `AdmitDate`,`physician`.`FirstName`   AS
`PhysicianFirstName`,`physician`.`LastName`   AS      `PhysicianLastName`,`treat`.`Date`   AS
`Date`,`treat`.`Time`   AS      `Time`,`treatment`.`Description`   AS      `Description`,`treat`.`Result`   AS
`Result` from (((`patient` join `treat` on((`patient`.`PatientID` = `treat`.`PatientID`))) join
`treatment` on((`treat`.`TreatID` = `treatment`.`TreatID`))) join `physician` on((`treat`.`PhyID` =
`physician`.`PhyID`))) */;
/*!50001 SET character_set_client      = @saved_cs_client */;
/*!50001 SET character_set_results     = @saved_cs_results */;
/*!50001 SET collation_connection      = @saved_col_connection */;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2018-04-26 18:10:54

```