

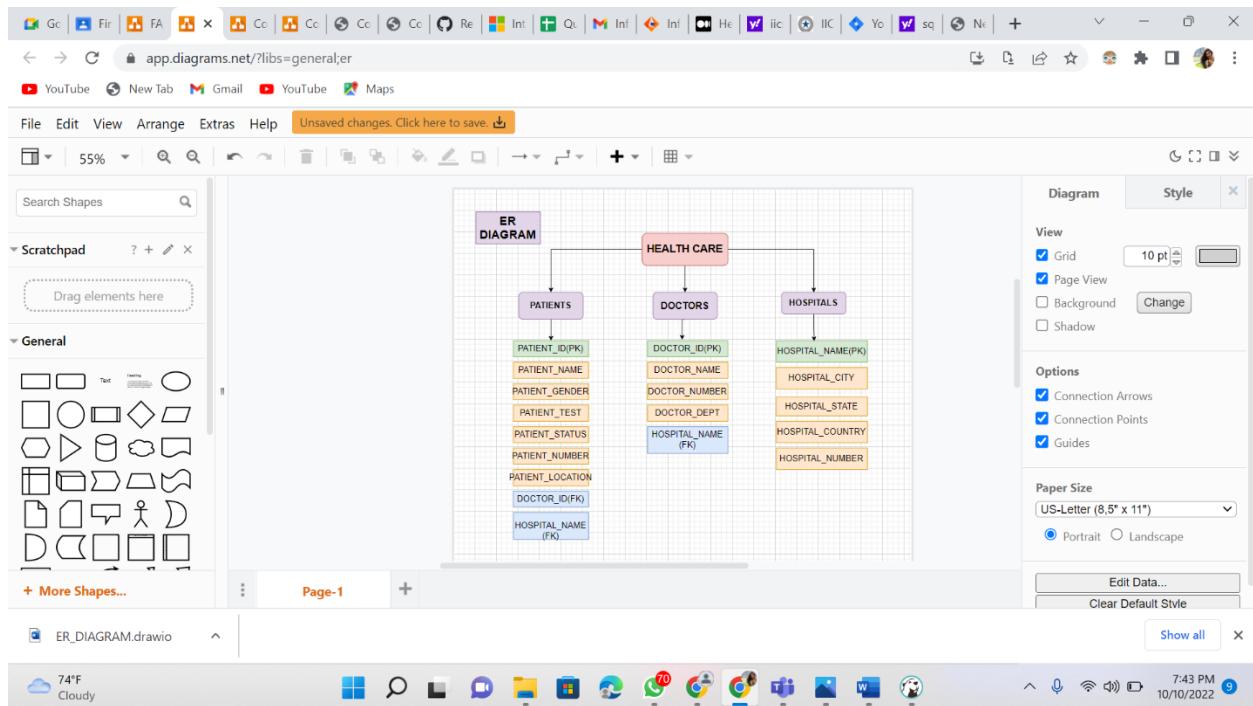
# Final Assessment for TietoEvry – Database

## Module 1: SQL Server:

### 1. Perform the normalization

- Create tables as per normalization
- Insert the data

### ER DIAGRAM



## MAIN TABLE – TE\_FA\_HOSPITAL

DBeaver 22.2.0 - <spoorthy> patient\_details.sql

```

CREATE TABLE TE_FA_HOSPITAL
(
    patient_id int,
    patient_name varchar(255),
    patient_gender varchar(255),
    patient_test varchar(255),
    patient_status varchar(255),
    patient_number varchar(255),
    patient_location varchar(255),
    doctor_id int,
    doctor_name varchar(255),
    doctor_number varchar(255),
    doctor_department varchar(255),
    hospital_name varchar(255),
    hospital_city varchar(255),
    hospital_state varchar(255),
    hospital_country varchar(255),
    hospital_number varchar(255)
);
drop table TE_FA_HOSPITAL

insert into TE_FA_HOSPITAL values
(1,'ajay','male','diabetes','diagnosed','9477838877','bangaluru','01','ram','9536724689','diabetologist','nanjappa',
(2,'anitha','female','xray','diagnosed','9677838871','mangaluru','02','raj','9736724689','radiologist','nanjappa',
(3,'arya','male','diabetes','not diagnosed','9877838872','bangaluru','01','ram','9536724689','diabetologist','nar',
(4,'suresh','male','xray','not diagnosed','9877838873','mangaluru','02','raj','9536724689','radiologist','nar',
(5,'ranga','female','BP','diagnosed','8477838874','shivamoga','03','shwetha','9536724690','cardiologist','npr',
(6,'priya','female','BP','not diagnosed','8677838875','shivamoga','03','shwetha','9536724690','cardiologist','nar',
(7,'pooja','female','diabetes','diagnosed','9477838876','bangaluru','01','ram','9536724689','diabetologist','nar',
(8,'amrutha','female','xray','diagnosed','9677838878','mangaluru','02','raj','9736724689','radiologist','nanapps',
(9,'rahul','male','diabetes','not diagnosed','9877838879','bangaluru','01','ram','9536724689','diabetologist','na',
(10,'pradeep','male','xray','not diagnosed','9877838810','mangaluru','02','raj','9736724689','radiologist','nan',
(11,'rakshita','female','BP','diagnosed','8477838811','shivamoga','03','shwetha','8536724690','cardiologist','na',
(12,'kavya','female','BP','not diagnosed','8677838812','shivamoga','03','shwetha','8536724690','cardiologist','na

```

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DBeaver 22.2.0 - <spoorthy> patient\_details.sql

```

CREATE TABLE TE_FA_HOSPITAL
(
    patient_id int,
    patient_name varchar(255),
    patient_gender varchar(255),
    patient_test varchar(255),
    patient_status varchar(255),
    patient_number varchar(255),
    patient_location varchar(255),
    doctor_id int,
    doctor_name varchar(255),
    doctor_number varchar(255),
    doctor_department varchar(255),
    hospital_name varchar(255),
    hospital_city varchar(255),
    hospital_state varchar(255),
    hospital_country varchar(255),
    hospital_number varchar(255)
);
drop table TE_FA_HOSPITAL

insert into TE_FA_HOSPITAL values
(1,'sumukh','male','diabetes','not diagnosed','9877838821','bangaluru','01','ram','9536724689','diabetologist',
(2,'prathik','male','xray','not diagnosed','9877838822','bangaluru','02','raj','9736724689','radiologist','nar',
(3,'swathi','female','BP','diagnosed','8477838823','shivamoga','03','shwetha','9536724690','cardiologist','nan',
(4,'shruthi','female','BP','not diagnosed','8677838824','shivamoga','03','shwetha','9536724690','cardiologist',
(5,'poojari','male','diabetes','diagnose','9477838825','bangaluru','04','sathy','8536724689','diabetologist',
(6,'pallavi','male','xray','diagnose','9677838826','mangaluru','05','sham','8736724689','radiologist','NN car',
(7,'neethan','male','diabetes','not diagnosed','9877838827','bangaluru','06','satish','9536724689','diabetologist',
(8,'neethu','female','BP','not diagnosed','9877838828','mangaluru','05','sham','8736724689','radiologist','NN',
(9,'couvya','female','BP','diagnose','8477838829','shivamoga','06','sporthi','9536724689','cardiologist','NN',
(10,'sinchana','female','BP','not diagnose','8677838830','shivamoga','06','sporthi','9536724689','cardiologist',
(11,'sporthi','female','diabetes','diagnose','9477838831','bangaluru','04','sathy','8536724689','diabetologist',
(12,'raksha','female','xray','diagnose','9677838832','mangaluru','05','sham','8736724689','radiologist','NN car',
(13,'vishruth','male','diabetes','not diagnose','9877838833','bangaluru','04','sathy','8536724689','diabetologist

```

Results 1 ×

patient_id	patient_name	patient_gender	patient_test	patient_status	patient_number	patient_location
32	raksha	female	xray	diagnose	9677838832	mangaluru
33	vishruth	male	diabetes	not diagnose	9877838833	bangaluru
34	vishnu	male	xray	not diagnose	9077838834	mangaluru
35	shilpa	female	BP	diagnose	8477838835	shivamoga
36	suma	female	BP	not diagnose	8677838836	shivamoga
37	shashank	male	diabetes	diagnose	9477838837	bangaluru
38	anushree	female	xray	diagnose	9677838838	mangaluru
39	varun	male	diabetes	not diagnose	9877838839	bangaluru
40	sidarth	male	xray	not diagnose	9077838840	mangaluru

select \* from TE\_FA\_HOSPITAL

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## AFTER NORMALIZATION

TE\_FA\_PATIENT, TE\_FA\_DOCTORS, TE\_FA\_HOS\_DETAILS

DBeaver 22.2.0 - <spoorthy> patient\_details.sql

File Edit Navigator Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

DBEaver Sample Database (SQLite)

dltthe - rewarresolution.database.windows.net:1433

dtile 2 - postgresql-99441-0.cloudclusters.net:19958

oracle-88094-0.cloudclusters.net - oracle-88094-0.cloudclusters.net:1433

spoorthy - rewarresolution.database.windows.net:1433

dtile SQLsql <spoorthy> patient\_details.sql <spoorthy> joins.sql \*<spoorthy> Script-1

```
* create table TE_FA_PATIENT
(
    patient_id int primary key,
    patient_name varchar(255) NOT NULL,
    patient_gender varchar(255),
    patient_test varchar(255),
    patient_status varchar(255) DEFAULT 'pending',
    patient_number varchar(255) UNIQUE,
    patient_location varchar(255),
    doctor_id int foreign key references TE_FA_DOCTORS(doctor_id),
    hospital_name varchar(255) Foreign key references TE_FA_HOSP_DETAILS(hospital_name)
);

insert into TE_FA_PATIENT values
(1,'ajay','male','diabetes','diagnosed','9477838877','bangalore','01','nanjappa care'),
(2,'anitha','female','xray','diagnosed','9677838871','mangaluru','02','nanjappa care'),
(3,'arya','male','diabetes','not diagnosed','9877838872','bangalore','01','nanjappa care'),
(4,'bhushan','male','diabetes','not diagnosed','9877838873','mangaluru','02','nanjappa care'),
(5,'ramya','female','BP','diagnosed','8477838874','shivamoga','03','nanjappa care'),
(6,'priya','female','BP','not diagnosed','8677838875','shivamoga','03','nanjappa care'),
(7,'pooja','female','diabetes','diagnosed','9477838876','bangluru','01','nanjappa care'),
(8,'amrutha','female','xray','diagnosed','9677838878','mangaluru','02','nanjappa care'),
(9,'rahul','male','diabetes','not diagnosed','9877838879','bangalore','01','nanjappa care'),
(10,'prashant','male','diabetes','not diagnosed','9977838879','mangaluru','02','nanjappa care'),
(11,'nilesh','male','BP','diagnosed','8477838881','shivamoga','03','nanjappa care'),
(12,'kavya','female','BP','not diagnosed','8677838882','shivamoga','03','nanjappa care'),
(13,'mahesh','male','diabetes','diagnosed','9477838813','bangalore','01','nanjappa care'),
(14,'ragini','female','xray','diagnosed','9677838814','mangaluru','02','nanjappa care'),
(15,'kumar','male','diabetes','not diagnosed','9877838815','bangluru','02','nanjappa care'),
(16,'shiv','male','xray','not diagnosed','9877838816','mangaluru','02','nanjappa care'),
(17,'sushma','female','BP','diagnosed','8477838817','shivamoga','03','nanjappa care'),
(18,'bhanu','female','BP','not diagnosed','8677838818','shivamoga','03','nanjappa care'),
(19,'cumanth','male','diabetes','diagnosed','9477838819','hangaluru','01','nanjappa care')
```

DBeaver 22.2.0 - <spoorthy> patient\_details.sql

File Edit Navigator Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

DBEaver Sample Database (SQLite)

dlithe - rewarresolution.database.windows.net:1433

dlithe 2 - postgresql-8941-0.cloudclusters.net:19958

oracle-BB094-0.cloudclusters.net - oracle-88094-0.cloudclusters.net:1433

/s spoorthy - rewarresolution.database.windows.net:1433

\*create table TE\_FA\_DOCTORS

doctor\_id int PRIMARY KEY,  
doctor\_name varchar(255),  
doctor\_number varchar(255),  
doctor\_department varchar(255),  
hospital\_name varchar(255)  
;

insert into TE\_FA\_DOCTORS VALUES  
(‘ram’, ‘9536724689’, ‘diabetologist’, ‘nanjappa care’),  
(‘raj’, ‘9736724689’, ‘radiologist’, ‘nanjappa care’),  
(‘smita’, ‘8536724690’, ‘cardiologist’, ‘nanjappa care’),  
(‘sathya’, ‘8536724689’, ‘diabetologist’, ‘MN care’),  
(‘sham’, ‘8736724689’, ‘radiologist’, ‘MN care’),  
(‘sree’, ‘9536724689’, ‘cardiologist’, ‘MN care’);

SELECT \* from TE\_FA\_DOCTORS

\*create table TE\_FA\_HOSP\_DETAILS

(  
hospital\_name varchar(255) PRIMARY KEY,  
hospital\_city varchar(255),  
hospital\_state varchar(255),  
hospital\_country varchar(255),  
hospital\_number varchar(255)  
);

\*insert into TE\_FA\_HOSP\_DETAILS VALUES  
( ‘nanjappa care’, ‘Bangalore’, ‘karnataka’, ‘india’, ‘9767363752’),  
( ‘MN care’, ‘mangaluru’, ‘karnataka’, ‘india’, ‘8967363752’);

Results 1 x

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Cloudy 80°F

10/6/2022 1:57 PM

The screenshot shows the DBVisualizer interface with the following details:

- File Edit Navigator Search SQL Editor Database Window Help**
- DBVisualizer 22.0.0 <spoorthy> patient.details.sql**
- Database Navigator > Projects**
- Link a part of object name here**
- + DViewer Sample Database (SQL)**
- > dltte - remotesqlite.database.windows.net:1433**
- > dltte 2 - postgresql-9341-0.cloudclusters.net:19900**
- > model=0ff94a-dcloudclusters - oracle-08094-0.dcloudclusters.net**
- > spoorthy - remotesqlite.database.windows.net:1033**

**Results 1**

#	patient_id	patient_name	patient_gender	patient_treatment	patient_status	patient_number	patient_location	doe
1	1	ajay	male	diabetes	diagnosed	947738877	bangaluru	1970-01-01
2	2	aralia	female	xray	diagnosed	967/103887/1	managluru	2010-01-01
3	3	arya	male	diabetes	not diagnosed	907738872	bengaluru	2010-01-01
4	4	rakesh	male	xray	not diagnosed	907738873	managluru	2010-01-01
5	5	romya	female	BP	diagnosed	947738874	shivamogga	2010-01-01
6	6	anya	female	BP	not diagnosed	967738875	shivamogga	2010-01-01
7	7	poogi	female	diabetes	diagnosed	947738876	bangaluru	2010-01-01
8	8	ananya	female	diabetes	not diagnosed	967738877	managluru	2010-01-01
9	9	valiu	male	diabetes	not diagnosed	967/103887/0	bangaluru	2010-01-01
10	10	madhav	male	xray	not diagnosed	907738870	managluru	2010-01-01
11	11	rakitha	female	BP	diagnosed	947738871	shivamogga	2010-01-01
12	12	keyza	female	BP	not diagnosed	967738872	shivamogga	2010-01-01
13	13	mahesh	male	diabetes	diagnosed	947738873	bangaluru	2010-01-01
14	14	ragini	female	xray	diagnosed	967738874	managluru	2010-01-01
15	15	kunai	male	diabetes	not diagnosed	967/103887/1	bangaluru	2010-01-01
16	16	thuvi	male	xray	not diagnosed	907738875	managluru	2010-01-01
17	17	lina	female	diabetes	diagnosed	947738876	bangaluru	2010-01-01
18	18	sharu	female	BP	not diagnosed	967738877	shivamogga	2010-01-01
19	19	suneth	male	diabetes	diagnosed	947738878	bangaluru	2010-01-01
20	20	sannisha	female	xray	diagnosed	967738879	managluru	2010-01-01
21	21	sunmukhi	male	diabetes	not diagnosed	967/103882/1	bangaluru	2010-01-01
22	22	prathik	male	xray	not diagnosed	907/103887/2	managluru	2010-01-01
23	23	anushka	female	am	not diagnosed	967/103887/3	managluru	2010-01-01

**Logs** 0 Rows 0 Batches 0 Syst 0 IOST 0 Insert 0 Update 0 Delete 0 Rowset 200 40 Rows 70ms 40ms fetches on 2022-10-01 15:57:10 IST on Win10 [Set 27,1]

**Cloud** 80°F

**System Icons**

c) Join the table

## INNER JOIN

Patients who has doctor to check their disease

DBeaver 22.2.0 - <spoorthy> joins.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

DBeaver Sample Database (SQLite)

dltite - rewsolution.database.windows.net:1433

dltite 2 - postgresql-89441-0.cloudclusters.net:19958

oracle-88094-0.cloudclusters.net - oracle-88094-0.cloudclusters.net:1433

spoorthy - rewsolution.database.windows.net:1433

<dltite> SQLsql <spoorthy> patient\_detailses.sql <spoorthy> joins.sql x \*<spoorthy> Script-1

```
select pat.patient_id, pat.patient_name, pat.patient_gender, pat.patient_test, pat.doctor_id, doc.doctor_name, doc.doc_department
inner join TE_FA_DOCTORS1 as doc on
pat.doctor_id = doc.doctor_id
inner join TE_FA_HOSP_DETAIL1 as hos on
pat.hospital_name = hos.hospital_name
```

Results 1 x

Enter a SQL expression to filter results (use Ctrl+Space)

patient_id	patient_name	patient_gender	patient_test	doctor_id	doctor_name	doctor_department	hospital_name
10	pallavi	female	xray	5	sham	radiologist	MN care
11	chethan	male	diabetes	4	sathya	diabetologist	MN care
12	naveen	male	xray	5	sham	radiologist	MN care
13	soulyka	female	BP	6	spoorthy	cardiologist	MN care
14	sinchana	female	BP	6	spoorthy	cardiologist	MN care
15	spoorthi	female	diabetes	4	sathya	diabetologist	MN care
16	raksha	female	xray	5	sham	radiologist	MN care
17	vishruth	male	diabetes	4	sathya	diabetologist	MN care
18	vishnu	male	xray	5	sham	radiologist	MN care
19	shilpa	female	BP	6	spoorthy	cardiologist	MN care
20	suma	female	BP	6	spoorthy	cardiologist	MN care
21	shashank	male	diabetes	4	sathya	diabetologist	MN care
22	anushree	female	xray	5	sham	radiologist	MN care
23	varun	male	diabetes	4	sathya	diabetologist	MN care
24	sidarth	male	xray	5	sham	radiologist	MN care

Save Cancel Script | IST en Writable Smart Insert | Rows: 1 24 row(s) fetched - 623ms, on 2022-10-06 at 14:05:C  
108 : 38 [321] Sel: 321 | 5 | 200 | 24 | 80°F Cloudy 2:05 PM 10/6/2022

## FULL JOIN

Details about every patients in each hospital

DBeaver 22.2.0 - <spoorthy> joins.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

DBeaver Sample Database (SQLite)

dilthe - rewsolutions.database.windows.net:1433

dilthe - postgresql-89441-0.cloudclusters.net:19958

oracle-88094-0.cloudclusters.net - oracle-88094-0.cloudclusters.net:1433

spoorthy - rewsolutions.database.windows.net:1433

< dbo@spoorthy > dbo@spoorthy Script-1

-- full outer join

```
select pat.patient_id,pat.patient_name,pat.patient_gender,pat.patient_test,pat.doctor_id,doc.doctor_name,doc.doctor_department,hos.hospital_name
full join TE_FA_DOCTORS1 as doc on
pat.doctor_id = doc.doctor_id
full join TE_FA_HOSP_DETAIL51 as hos on
pat.hospital_name = hos.hospital_name
```

Results 1 ×

patient_id	patient_name	patient_gender	patient_test	doctor_id	doctor_name	doctor_department	hospital_name
1	ejay	male	diabetes	1	[NULL]	[NULL]	nanjappa
2	anitha	female	xray	2	[NULL]	[NULL]	nanjappa
3	arya	male	diabetes	1	[NULL]	[NULL]	nanjappa
4	rakesh	male	xray	2	[NULL]	[NULL]	nanjappa
5	ramya	female	BP	3	swetha	cardiologist	nanjappa
6	priya	female	BP	3	swetha	cardiologist	nanjappa
7	pooya	female	diabetes	1	[NULL]	[NULL]	nanjappa
8	amrutha	female	xray	2	[NULL]	[NULL]	nanjappa
9	rahul	male	diabetes	1	[NULL]	[NULL]	nanjappa
10	pradeep	male	xray	2	[NULL]	[NULL]	nanjappa
11	rakshitha	female	BP	3	swetha	cardiologist	nanjappa
12	kavya	female	BP	3	swetha	cardiologist	nanjappa
13	mahesh	male	diabetes	1	[NULL]	[NULL]	nanjappa
14	ragini	female	xray	2	[NULL]	[NULL]	nanjappa
15	kumar	male	diabetes	1	[NULL]	[NULL]	nanjappa
16	shiv	male	xray	2	[NULL]	[NULL]	nanjappa
17	sukanya	female	BP	3	shwetha	cardiologist	nanjappa

Save Cancel Script ⌘ F 1 K < > ⌘ I ⌘ P 200 ⌘ C 40 ⌘ R Rows: 1 ⌘ 40 rows fetched - 341ms, on 2022-10-06 at 14:05:41 IST en Writable Smart Insert 119:38 [319] Sel: 319 | 5 10/6/2022 2:05 PM

**RIGHT JOIN-Doctors who has patients**

## LEFT JOIN

The screenshot shows the DBeaver interface with the following details:

- File Edit Navigator Search SQL Editor Database Window Help**
- Database Navigator** (selected) and **Projects**
- poorphy** (selected)
- Auto-Commit** is checked.
- SQL** tab is selected.
- SQL Editor** contains the following query:

```
select pat.patient_id,pat.patient_name,pat.patient_gender,pat.patient_test,pat.doctor_id,doc.doctor_name,doc.doctor_department,par.hospital_name
from patient_te_fa.HOSP_DETAILSL1 as doc
join pat on pat.doctor_id = doc.doctor_id
full join TE_FA.HOSP_DETAILSL1 as hos on
par.hospital_name = hos.hospital_name
```
- Script** tab is also visible.
- Results** tab is selected, displaying the following table:

Grp	patient_id	patient_name	patient_gender	patient_test	doctor_id	doctor_name	doctor_department	hospital_name
1	1	babu	male	diabetes	1	[null]	[null]	naripappa
2	2	anitha	female	xray	2	[null]	[null]	[null]
3	3	ayya	male	diabetes	1	[null]	[null]	[null]
4	4	rakesh	male	xray	2	[null]	[null]	[null]
5	5	ramya	female	BP	3	sheetha	cardiologist	[null]
6	6	priya	female	BP	3	sheetha	cardiologist	[null]
7	7	pojuja	female	diabetes	1	[null]	[null]	[null]
8	8	anuradha	female	xray	2	[null]	[null]	[null]
9	9	anil	male	diabetes	1	[null]	[null]	[null]
10	10	pradeep	male	BP	2	[null]	[null]	[null]
11	11	nikeshika	female	BP	3	sheetha	cardiologist	[null]
12	12	kavya	female	BP	3	sheetha	cardiologist	[null]
13	13	mashesh	male	diabetes	1	[null]	[null]	[null]
14	14	ragini	female	xray	2	[null]	[null]	[null]
15	15	kumar	male	diabetes	1	[null]	[null]	[null]
16	16	shiv	male	xray	2	[null]	[null]	[null]
17	17	anushka	female	BP	3	sheetha	cardiologist	[null]

- Bottom Status Bar**: Shows tabs (SQL, DDL, DML, View, Insert, Update, Delete), rows (40 rows fetched), time (17ms), and date (2022-10-15).
- System Icons**: Cloudy, 80°F, 100% battery, 20:00 PM, 100% disk usage.

## CROSS JOIN

d) Create different views

**SIMPLE VIEW** – To view all patients name and patients who got diagnosed

DBeaver 22.2.0 - spoolthy

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator > Projects

Enter a part of object name here

- DBeaver Sample Database (SQLite)
  - d1tme - recommendations database windows.net:1433
  - d1tme\_2 - recommendations database windows.net:1433
- oracle 00001@cloudclusters.net oracle 00054@cloudclusters.net

spoolthy - recommendations database windows.net:1433

SQL > spoolthy > dbo.spoolthy > Auto > spoolthy > dbo > spoolthy > patient\_name > TE\_FA\_HOSPITAL.tnh

```
select patient_name from TE_FA_HOSPITAL.tnh
select * from patient_name
create view patients_checked as
select patient_name,patient_status from TE_FA_HOSPITAL where patient_status = 'diagnosed';
select * from patients_checked
```

Results |  Enter a SQL expression to filter results base Ctrl+Space

#	patient_name	patient_status
1	surya	diagnosed
2	anitha	diagnosed
3	ramya	diagnosed
4	lakshmi	diagnosed
5	anjusha	diagnosed
6	rajketha	diagnosed
7	mahesh	diagnosed
8	ragini	diagnosed
9	susmita	diagnosed
10	sunarwali	diagnosed
11	sameeda	diagnosed
12	swathi	diagnosed

Project - General >

Name: Data Source:

- Bookmarks
- Diagrams
- Scripts

Save Cancel Script | K F1 200 12 Rows 1 12 row(s) fetched 428ms, on 2020-10-10 at 23:34:41

72°F 10:34 AM 10/10/2022

**COMPLEX VIEW-** Patients who has doctor to check their disease

## ALTER VIEW

DBeaver 22.2.0 - <spoorthy> joins.sql

```
--> alter view common_row_TE as
    select * from common_row_TE
```

Results 1 | Grid | Record | SQL | Script | Save | Cancel | 200 | 6 | Rows: 1 | 6 row(s) fetched - 332ms, on 2022-10-06 at 14:19:05 | IST | en | Writable | Smart Insert | 157 : 28 [27] | Sel: 27 | 1 | 80°F | Cloudy | 2:19 PM | 10/6/2022

patient_id	patient_name	patient_gender	patient_test	doctor_id	doctor_name	doctor_department	hospital_name
1	20 pallavi	female	xray	5	sham	radiologist	MN care
2	28 naveen	male	xray	5	sham	radiologist	MN care
3	32 rakshe	female	xray	5	sham	radiologist	MN care
4	34 vishnu	male	xray	5	sham	radiologist	MN care
5	38 anushree	female	xray	5	sham	radiologist	MN care
6	40 sidarth	male	xray	5	sham	radiologist	MN care

To view Details about every patients in each hospital

DBeaver 22.2.0 - <spoorthy> joins.sql

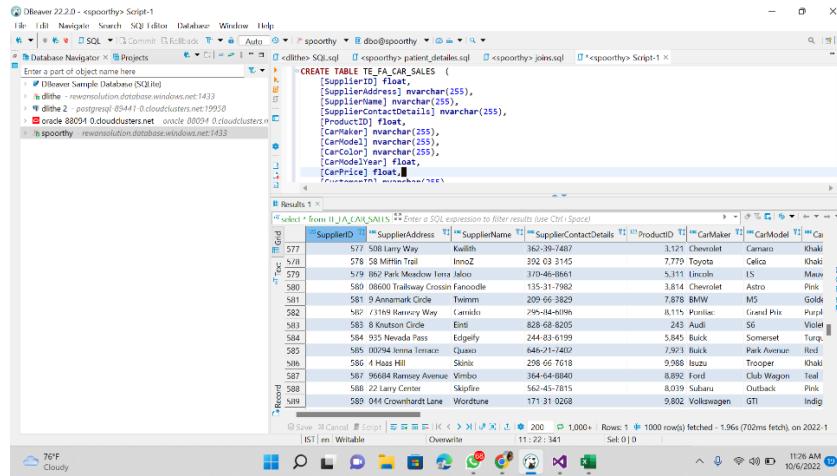
```
--> create view left_row as
    select * from common_row_TE
```

Results 1 | Grid | Record | SQL | Script | Save | Cancel | 200 | 40 | Rows: 1 | 40 row(s) fetched - 390ms, on 2022-10-06 at 14:19:55 | IST | en | Writable | Smart Insert | 175 : 6 : 7910 | Sel: 0 | 0 | 80°F | Cloudy | 2:20 PM | 10/6/2022

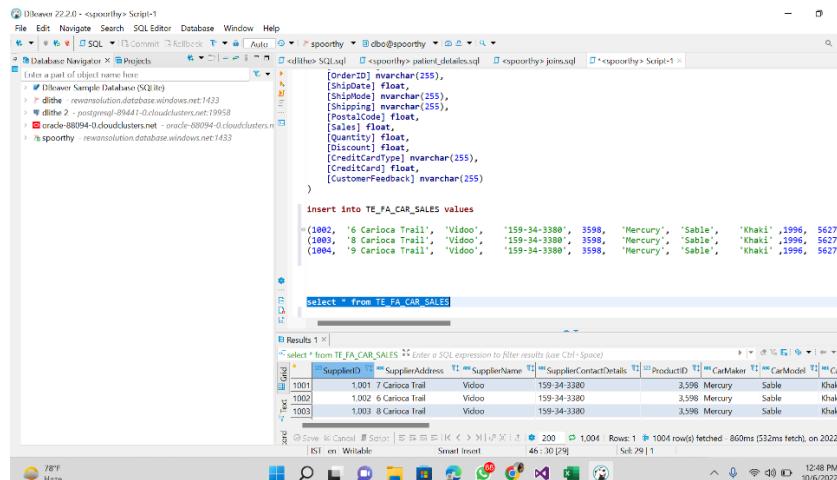
patient_id	patient_name	patient_gender	patient_test	doctor_id	doctor_name	doctor_department	hospital_name
1	ajay	male	diabetes	1	[NULL]	[NULL]	nanjappa care
2	anitha	female	xray	2	[NULL]	[NULL]	nanjappa care
3	arya	male	diabetes	1	[NULL]	[NULL]	nanjappa care
4	rakesh	male	xray	2	[NULL]	[NULL]	nanjappa care
5	5 ramya	female	BP	3	shwetha	cardiologist	nanjappa care
6	priya	female	BP	3	shwetha	cardiologist	nanjappa care
7	poogja	female	diabetes	1	[NULL]	[NULL]	nanjappa care
8	8 amrutha	female	xray	2	[NULL]	[NULL]	nanjappa care
9	9 rahul	male	diabetes	1	[NULL]	[NULL]	nanjappa care
10	10 pradeep	male	xray	2	[NULL]	[NULL]	nanjappa care
11	11 rakhitha	female	BP	3	shwetha	cardiologist	nanjappa care
12	12 kavya	female	BP	3	shwetha	cardiologist	nanjappa care
13	13 mahesh	male	diabetes	1	[NULL]	[NULL]	nanjappa care
14	14 ragini	female	xray	2	[NULL]	[NULL]	nanjappa care

## 2. Using transaction table perform various operations

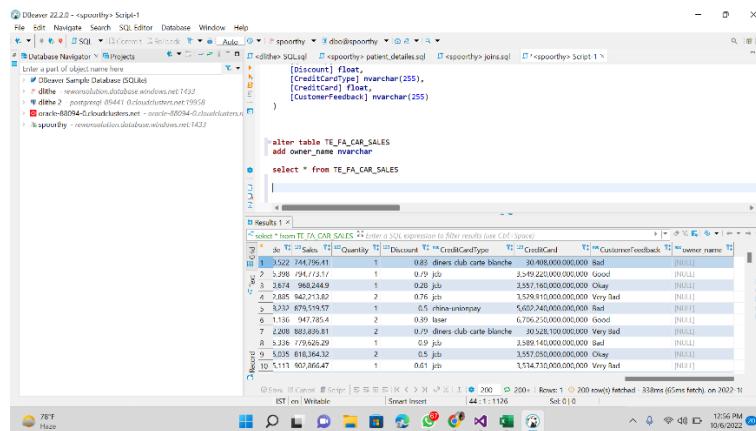
### CREATE TABLE



## INSERT



## ALTER



## UPDATE

## DELETE

```
update TE_FA_CAR_SALES
set SupplierName = 'spoorthy'
where SupplierID = 1;

select * from TE_FA_CAR_SALES

delete
from TE_FA_CAR_SALES
where SupplierID = 1;
```

Grid	SupplierID	SupplierAddress	SupplierName	SupplyContractDetails	ProductID	CarMaker	CarModel	Ca
1	1	9674 Springview Circle	Tappoggia	337-16-4060	9,444	Toyota	Tundra	Crim
2	3	970 Autumn Leaf Center	Zoomdog	218-19-1802	253	GMC	Savana 1500	Crim
3	4	649 Croshen Lane	Ozzz	615-15-3112	1,261	Volkswagen	Cabriolet	Fusi
4	5	94 Namakong Point	Kare	849-23-6788	8,905	Mercury	Mariner	Teal
5	6	46347 Dunning Parkway	Rhynxes	378-07-0118	8,877	Toyota	Land Cruiser	Crim
6	7	65 Coleman Parkway	Roombio	479-97-2400	101	Subaru	Impreza	Indig
7	8	30230 Westfield Pass	Wordtify	371-69-6870	8,854	BMW	X6	Purp
8	9	4 Coleman Street	Skyvuu	711-19-7839	9,043	Mitsubishi	Galant	Oran
9	10	100 Anholt Place	Freddiee	634-55-4653	450	Subaru	I Judy	Crim
10	11	7 Eshl Trail	Layo	547-88-4825	9,212	Mercedes Benz	M Class	Mau

## RENAME

DBeaver 7.2.0 - <spooorthi> - Script - 1

File Edit Navigate Search SQL Editor Database Window Help

SQL D:\DBeaver\13\Content\13\01\work T A Auto spooorthi dbe|spooorthi

--> update

```
--update TE_FA_CAR_SALES
set SupplierName = 'spooorthi'
where SupplierID = 1

select * from TE_FA_CAR_SALES

--> delete
delete from TE_FA_CAR_SALES
where SupplierID = 2;

--> RENAME
alter table TE_FA_CAR_SALES
RENAME COLUMN SupplierID TO Supplier_ID;

EXEC SP_RENAME 'TE_FA_CAR_SALES', 'TE_FA_CAR_SALE'
```

Statistics 1

Name Value

Updated Row: 1

Query EXEC SP\_RENAME 'TE\_FA\_CAR\_SALES', 'TE\_FA\_CAR\_SALE'

Finish Time Thu 06 14:35:41 IST 2022

Ok Save Cancel Script | H M F P X 200 | 1 Row: 1 0 rows fetched 452ms on 2022-10-06 at 14:33:41 | Insert | Set 54 | 1

BPT Cloudy

Windows Start Menu Icons

## TRUNCATE

DBeaver 22.2.0 - <spoorthy> Script-1

File Edit Navigate Search SQL Editor Database Window Help

<sql> SQL Commit Rollback Auto spoorthy dbo@spoorthy \* <spoorthy> patient\_detailes.sql \* <spoorthy> joins.sql \* <spoorthy> Script-1 x

```
-- RENAME
alter table TE_FA_CAR_SALES
RENAME COLUMN SupplierID TO Supplier_ID;

EXEC SP_RENAME 'TE_FA_CAR_SALES' , 'TE_FA_CAR_SALE'

-- TRUNCATE
TRUNCATE TABLE TE_FA_CAR_SALE
select * from TE_FA_CAR_SALE
```

Results 1 x

Grid Enter a SQL expression to filter results (use Ctrl+Space)

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID	Customer

Text

Record

Save Cancel Script Rows: 0 No data- 175ms, on 2022-10-06 at 14:36:01 IST | en Writable Smart Insert Sel: 0 | 0

80°F Cloudy

2:36 PM 10/6/2022

## DROP

DBeaver 22.2.0 - <spoorthy> Script-1

File Edit Navigate Search SQL Editor Database Window Help

<sql> SQL Commit Rollback Auto spoorthy dbo@spoorthy <spoorthy> patient\_detailes.sql <spoorthy> joins.sql <spoorthy> Script-1 x

```
--RENAME
alter table TE_FA_CAR_SALES
RENAME COLUMN SupplierID TO Supplier_ID;

EXEC SP_RENAME 'TE_FA_CAR_SALES' , 'TE_FA_CAR_SALE'

--TRUNCATE
TRUNCATE TABLE TE_FA_CAR_SALE
select * from TE_FA_CAR_SALE

--DROP
DROP TABLE TE_FA_CAR_SALE|
```

Statistics 1 x

Name	Value
Updated Rows	0
Query	--DROP
Finish time	Thu Oct 06 14:36:55 IST 2022

Save Cancel Script | 200 | 1 | Rows: 0 0 row(s) updated - 158ms, on 2022-10-06 at 14:36:55  
IST en Writable Smart Insert 78 : 26 : 2835 Sel: 0 | 0

80°F Cloudy

Using transaction table perform various operations **FOR ANOTHER DATA SOURCE**

## CREATE

```

CREATE TABLE [TE_FA_INSURANCE_CLAIM] (
    [PID] float,
    [AGE] float,
    [GENDER] nvarchar(255),
    [CASTE_NAME] nvarchar(255),
    [CATEGORY_CODE] nvarchar(255),
    [CATEGORY_NAME] nvarchar(255),
    [SURGERY_CODE] nvarchar(255),
    [SURGERY] nvarchar(255),
    [VILLAGE] nvarchar(255),
    [MANDAL_NAME] nvarchar(255),
    [DISTRICT_NAME] nvarchar(255),
    [PREAUTH_DATE] datetime,
    [PREAUTH_AMT] float,
    [CLAIM_DATE] datetime,
    [CLAIM_AMOUNT] float,
    [HOSP_NAME] nvarchar(255),
    [HOSP_TYPE] nvarchar(255),
    [HOSP_DISTRICT] nvarchar(255),
    [SRC_REGISTRATION] datetime
)

```

**Results 1 ×**

SELECT * FROM TE_FA_INSURANCE_CLAIM											
Enter a SQL expression to filter results (use Ctrl+Space)											
Grid	PID	AGE	GENDER	CASTE_NAME	CATEGORY_CODE	CATEGORY_NAME	SURGERY_CODE	SURGERY	VILLAGE	MANDAL_NAME	DISTRICT
Grid	1	56	Female	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Lolugu	Ponduru	Srikakulam
Text	2	37	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Borivanka	Kaviti	Srikakulam
Text	3	50	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Kapasakuddi	Kaviti	Srikakulam
Text	4	45	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Telikpenta	Sarubujili	Srikakulam
Text	5	54	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Thandemvalasa	Srikakulam	Srikakulam
Text	6	35	Male	OC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Phasigangupeta	Pathapatnam	Srikakulam
Text	7	52	Male	OC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Kranti Naagar	Nandyal	Kurnool

## INSERT

```

CREATE TABLE [TE_FA_INSURANCE_CLAIM] (
    [PID] float,
    [AGE] float,
    [GENDER] nvarchar(255),
    [CASTE_NAME] nvarchar(255),
    [CATEGORY_CODE] nvarchar(255),
    [CATEGORY_NAME] nvarchar(255),
    [SURGERY_CODE] nvarchar(255),
    [SURGERY] nvarchar(255),
    [DISCHARGE_DATE] datetime,
    [Mortality Y / N] nvarchar(255),
    [MORTALITY_DATE] datetime,
    [SRC_REGISTRATION] nvarchar(255)
)

SELECT * FROM TE_FA_INSURANCE_CLAIM
DROP TABLE TE_FA_INSURANCE_CLAIM

INSERT INTO TE_FA_INSURANCE_CLAIM VALUES
(1001, 37, 'Male', 'BC', 'M6', 'NEPHROLOGY', 'M6.5', 'Maintenance Hemodialysis For Crf', 'Borivanka', 'Kaviti', 'Srikakulam', '8/6/2013 7:26', 12500,
(1002, 47, 'FEMale', 'BC', 'M6', 'NEPHROLOGY', 'M6.5', 'Maintenance Hemodialysis For Crf', 'Borivanka', 'Kaviti', 'Srikakulam', '8/6/2013 7:26', 12500,
(1003, 57, 'Male', 'BC', 'M6', 'NEPHROLOGY', 'M6.5', 'Maintenance Hemodialysis For Crf', 'Borivanka', 'Kaviti', 'Srikakulam', '8/6/2013 7:26', 12500,

```

**Results 1 ×**

SELECT * FROM TE_FA_INSURANCE_CLAIM											
Enter a SQL expression to filter results (use Ctrl+Space)											
Grid	PID	AGE	GENDER	CASTE_NAME	CATEGORY_CODE	CATEGORY_NAME	SURGERY_CODE	SURGERY	VILLAGE	MANDAL_NAME	DISTRICT
Grid	1000	1.000	26	Male	OC	M2	GENERAL MEDICINE	M2.4	Medical Management of Cerebral Gudiwada	Ravikamatham	Vishakhapatnam
Text	1001	2	37	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Borivanka	Srikakulam
Text	1002	1.001	37	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Borivanka	Srikakulam
Text	1003	1.002	47	FEMale	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Borivanka	Srikakulam
Text	1004	1.003	57	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Borivanka	Srikakulam

## ALTER

DBeaver 22.2.0 - <spoorthy>.INSURANCE

```

File Edit Navigate Search SQL Editor Database Window Help
File Edit Navigate Search SQL Editor Database Window Help
SQL SQL Editor Comm Rollback Auto spoorthy dbo:<spoorthy> <spoorthy> INSURANCE
<editor> SQL.sql <spoorthy> patient_details.sql <spoorthy> joins.sql <spoorthy> CARE_SALE <spoorthy> INSURANCE
--> alter table TE_FA_INSURANCE_CLAIM
add PATIENT_name nvarchar(255),
[_DISCHARGE_DATE] datetime,
[_DISCHARGE_TIME] time(2),
[_MORTALITY_DATE] datetime,
[_SRC_REGISTRATION] varchar(255)

SELECT * FROM TE_FA_INSURANCE_CLAIM
DROP TABLE TE_FA_INSURANCE_CLAIM

INSERT INTO TE_FA_INSURANCE_CLAIM VALUES
(1, 'Male', 'BC', 'M6', 'NEPHROLOGY', 'M6.5', 'Maintenance Hemodialysis For Crf', 'Borivanka', 'Kaviti', 'Srikakulam', '8/6/2013 7:26', 12540,
(1002, 47, 'Female', 'BC', 'M6', 'NEPHROLOGY', 'M6.5', 'Maintenance Hemodialysis For Crf', 'Borivanka', 'Kaviti', 'Srikakulam', '8/6/2013 7:26', 1254,
(1003, 57, 'Male', 'BC', 'M6', 'NEPHROLOGY', 'M6.5', 'Maintenance Hemodialysis For Crf', 'Borivanka', 'Kaviti', 'Srikakulam', '8/6/2013 7:26', 12590,
--ALTER
alter table TE_FA_INSURANCE_CLAIM
add PATIENT_name nvarchar(255)
SELECT * FROM TE_FA_INSURANCE_CLAIM

```

Results 1 ×

	PID	HOSP_TYPE	HOSP_DISTRICT	SURGARY_DATE	DISCHARGE_DATE	Mortality Y / N	MORTALITY_DATE	SIC_REGISTRATION	PATIENT_name
1	1	Hospital	Srikakulam	2013-08-06 00:00:00.000	2013-09-07 00:00:00.000	NO	2013-09-09 00:00:00.000	[NULL]	D
2	2	Hospital	Srikakulam	2013-08-08 00:00:00.000	2013-09-09 00:00:00.000	NO	2013-09-10 00:00:00.000	[NULL]	D
3	3	Hospital	Srikakulam	2013-08-15 00:00:00.000	2013-09-16 00:00:00.000	NO	2013-09-18 00:00:00.000	[NULL]	D
4	4	Hospital	Srikakulam	2013-08-22 00:00:00.000	2013-09-23 00:00:00.000	NO	2013-09-25 00:00:00.000	[NULL]	D
5	5	Hospital	Srikakulam	2013-08-31 00:00:00.000	2013-09-30 00:00:00.000	NO	2013-10-01 00:00:00.000	[NULL]	D
6	6	Hospital	Srikakulam	2013-09-01 00:00:00.000	2013-10-02 00:00:00.000	NO	2013-10-03 00:00:00.000	[NULL]	P
7	7	Kosihat Kurood	G	2013-08-31 00:00:00.000	2013-10-10 00:00:00.000	NO	2013-10-11 00:00:00.000	[NULL]	D

Save Cancel Script 200 200+ Rows: 1 200 rows(fetched 444ms) on 2022-10-6 10:18 39/12

## UPDATE AND DELETE

DBeaver 22.2.0 - <spoorthy>.INSURANCE

```

File Edit Navigate Search SQL Editor Database Window Help
File Edit Navigate Search SQL Editor Database Window Help
SQL SQL Editor Comm Rollback Auto spoorthy dbo:<spoorthy> <spoorthy> INSURANCE
<editor> SQL.sql <spoorthy> patient_details.sql <spoorthy> joins.sql <spoorthy> CARE_SALE <spoorthy> INSURANCE
--> alter table TE_FA_INSURANCE_CLAIM
add PATIENT_name nvarchar
SELECT * FROM TE_FA_INSURANCE_CLAIM

---update
update TE_FA_INSURANCE_CLAIM
set AGE = 60
where PID = 1;
select * from TE_FA_INSURANCE_CLAIM

```

Results 1 ×

	PID	AGE	GENDER	CASTE_NAME	CATEGORY_CODE	CATEGORY_NAME	SURGERY_CODE	SURGERY	VILLAGE	MANDAL_NAME	DISTRICT_
1	1	60	Female	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Lolugu	Ponduru	Srikakulam
2	2	37	Male	DC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Borivanka	Kaviti	Srikakulam
3	3	50	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Kepasuddi	Kaviti	Srikakulam
4	4	45	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Telipenta	Srikakulam	Srikakulam
5	5	54	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Thundewala	Srikakulam	Srikakulam
6	6	35	Male	OC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Phasigangula	Pathaparamm	Srikakulam
7	7	52	Male	OC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Kanti Nagar	Nandyal	Kumool

Save Cancel Script 200 200+ Rows: 1 200 rows(fetched 311ms (20ms fetch), on 2022-10-6 10:18 37:1957 Set 0 | 0

DBeaver 22.2.0 - <spoorthy>.INSURANCE

```

File Edit Navigate Search SQL Editor Database Window Help
File Edit Navigate Search SQL Editor Database Window Help
SQL SQL Editor Comm Rollback Auto spoorthy dbo:<spoorthy> <spoorthy> INSURANCE
<editor> SQL.sql <spoorthy> patient_details.sql <spoorthy> joins.sql <spoorthy> CARE_SALE <spoorthy> INSURANCE
--> alter table TE_FA_INSURANCE_CLAIM
add PATIENT_name nvarchar
SELECT * FROM TE_FA_INSURANCE_CLAIM

---update
update TE_FA_INSURANCE_CLAIM
set AGE = 60
where PID = 1;
select * from TE_FA_INSURANCE_CLAIM

---delete
delete from TE_FA_INSURANCE_CLAIM
where PID = 2;

```

Results 1 ×

	PID	AGE	GENDER	CASTE_NAME	CATEGORY_CODE	CATEGORY_NAME	SURGERY_CODE	SURGERY	VILLAGE	MANDAL_NAME	DISTRICT_
1	1	60	Female	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Lolugu	Pondu	Srikakulam
2	3	50	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Kepasuddi	Kaviti	Srikakulam
4	4	45	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Telipenta	San	Srikakulam
5	5	54	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Thundewala	Srik	Srikakulam
6	6	35	Male	OC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Phasigangula	Pall	Srikakulam
7	7	52	Male	OC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Kanti Nagar	Nar	Srikakulam
8	8	73	Male	BC	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf	Bhodhapuram	Ibic	Srikakulam

Save Cancel Script 200 200+ Rows: 1 200 rows(fetched 315ms (16ms fetch), on 2022-10-6 10:18 37:36 Set 36 | 1

## RENAME

DBeaver 22.2.0 - <spoorthy>.INSURANCE

File Edit Navigate Search SQL Editor Database Window Help

SQL

editors SQLspoj patient\_detailies.sql \*spoorthy.joins.sql <spoorthy>.CARE\_SALE <spoorthy>.INSURANCE

```
SELECT * FROM TE_FA_INSURANCE_CLAIM

---update
update TE_FA_INSURANCE_CLAIM
set AGE = 68
where PID = 1;

select * from TE_FA_INSURANCE CLAIMS

---delete
delete from TE_FA_INSURANCE CLAIM
where PID = 2;

--RENAME
EXEC SP_RENAME 'TE_FA_INSURANCE CLAIM' , 'TE_FA_INSURANCE CLAIMS'

Results 1 x
select * from TE_FA_INSURANCE CLAIMS
Grid Record
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| PID | AGE | GENDER | CASTE_NAME | CATEGORY_CODE | CATEGORY_NAME | SURGERY_CODE | SURGERY | VILLAGE |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1   | 60  | Female | BC        | M6            | NEPHROLOGY    | M6.5       | Maintenance Hemodialysis For Crf | Lelugu    | Por      |
| 2   | 50  | Male   | BC        | M6            | NEPHROLOGY    | M6.5       | Maintenance Hemodialysis For Crf | Kapasakuddi | Kav      |
| 3   | 45  | Male   | BC        | M6            | NEPHROLOGY    | M6.5       | Maintenance Hemodialysis For Crf | Telkperita | San      |
| 4   | 54  | Male   | BC        | M6            | NEPHROLOGY    | M6.5       | Maintenance Hemodialysis For Crf | Thandnevwasa | Sirk     |
| 5   | 35  | Male   | OC        | M6            | NEPHROLOGY    | M6.5       | Maintenance Hemodialysis For Crf | Phassangupeta | Pat      |
| 6   | 52  | Male   | OC        | M6            | NEPHROLOGY    | M6.5       | Maintenance Hemodialysis For Crf | Kranti Nagar | Nar      |
| 7   | 83  | Male   | BC        | M6            | NEPHROLOGY    | M6.5       | Maintenance Hemodialysis For Crf | Bhohipuram | Bhc      |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
```

## TRUNCATE AND DROP

DBeaver 22.0.0 - <spoorthy>.INSURANCE

File Edit Navigate Search SQL Editor Database Window Help

SQL > patient\_details.sql > spoorthy: joins.sql > spoorthy: CARL\_SALE > spoorthy: INSURANCE

```
select * from TE_FA_INSURANCE CLAIMS

--delete
delete from TE_FA_INSURANCE CLAIM
where PID =2;

--RENAME
EXEC SP_RENAME 'TE_FA_INSURANCE CLAIM' , 'TE_FA_INSURANCE CLAIMS'

--TRUNCATE
TRUNCATE TABLE TE_FA_INSURANCE CLAIMS
select * from TE_FA_INSURANCE CLAIMS

--DROP
DROP TABLE TE_FA_INSURANCE CLAIMS
```

Results 1 ×

TRUNCATE TABLE TE\_FA\_INSURANCE CLAIMS select \* from TE\_FA\_INSURANCE CLAIMS

PID	AGE	GENDER	CASTE_NAME	CATEGORY_CODE	CATEGORY_NAME	SURGERY_CODE	SURGERY	AVG AGE

Discard

Sava Cancel Script ⌘ S ⌘ K ⌘ R ⌘ F ⌘ X ⌘ L 200 0 0 Rows: 0 No data 123ms on 2022-10-06 at 16:37:30 IST en Willable Overwrite 158:5 2163 Sel 0 | 0 75% Clouds 4:37 PM 10/6/2022