

# SQL

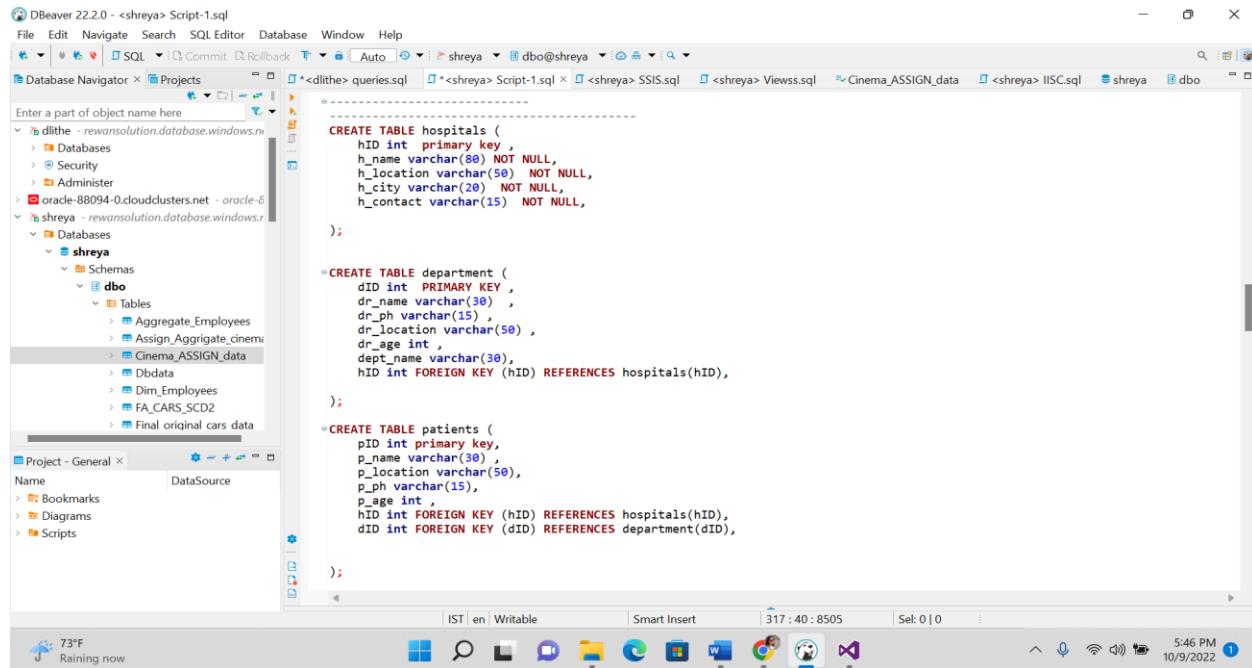
## Module 1: SQL Server

### 1. Perform the normalization

#### a) Creating tables as per normalization

Main Table – hospitals

Child Table – department,patients.



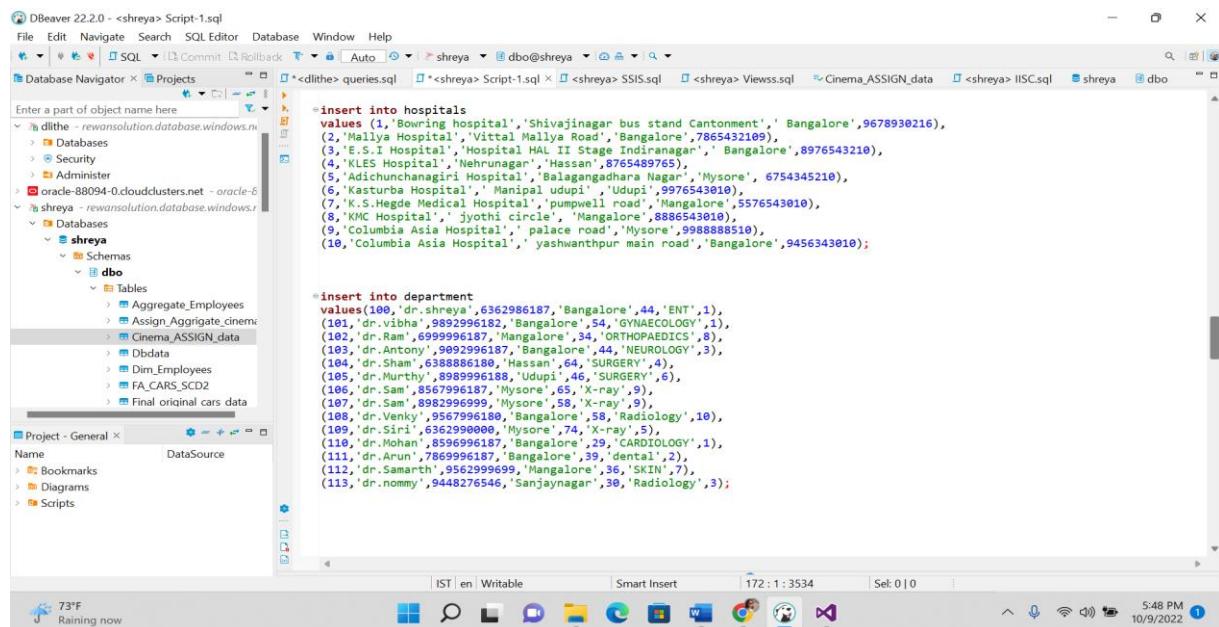
```
CREATE TABLE hospitals (
    hID int primary key ,
    h_name varchar(80) NOT NULL,
    h_location varchar(50) NOT NULL,
    h_city varchar(20) NOT NULL,
    h_contact varchar(15) NOT NULL,
);

CREATE TABLE department (
    dID int PRIMARY KEY ,
    dr_name varchar(30) ,
    dr_ph varchar(15) ,
    dr_location varchar(50) ,
    dr_age int ,
    dept_name varchar(30),
    hID int FOREIGN KEY (hID) REFERENCES hospitals(hID),
);

CREATE TABLE patients (
    pID int primary key ,
    p_name varchar(30) ,
    p_location varchar(50),
    p_ph varchar(15),
    p_age int ,
    hID int FOREIGN KEY (hID) REFERENCES hospitals(hID),
    dID int FOREIGN KEY (dID) REFERENCES department(dID),
);

;
```

#### b) Inserting the data into tables.



```
insert into hospitals
values (1,'Bowring Hospital','Shivajinagar bus stand Cantonment',' Bangalore',9678930216),
(2,'Mallya Hospital','Vittal Mallya Road','Bangalore',7865432109),
(3,'E.S.I Hospital','Hospital HAL II Stage Indiranagar',' Bangalore',8976543210),
(4,'KLES Hospital','Nehru Nagar','Hassan',8765489765),
(5,'Adichunchanagiri Hospital','Balagangadhara Nagar','Mysore', 6754345210),
(6,'Kasturba Hospital ','Manipal,udupi','Udupi',9976543010),
(7,'K.S.Hegde Medical College','pumpwell road','Mangalore',5576543010),
(8,'KMC Hospital ','jyothi circle','Mangalore',8886543010),
(9,'Columbia Asia Hospital',' palace road','Mysore',9988888510),
(10,'Columbia Asia Hospital ',' yashwanthpur main road','Bangalore',9456343010);

insert into department
values(100,'dr.shreya',6362986187,'Bangalore',44,'ENT',1),
(101,'dr.vibha',9892996182,'Bangalore',54,'GYNAECOLOGY',1),
(102,'dr.Ram',6999996187,'Mangalore',34,'ORTHOPAEDICS',8),
(103,'dr.Antony',9092996187,'Bangalore',44,'NEUROLOGY',3),
(104,'dr.Sham',6388886188,'Hassan',64,'SURGERY',4),
(105,'dr.Murthy',8989996188,'Udupi',46,'SURGERY',6),
(106,'dr.Sam',8567996187,'Mysore',65,'X-ray',9),
(107,'dr.Sam',8982996999,'Mysore',58,'X-ray',9),
(108,'dr.Venky',9567996180,'Bangalore',58,'Radiology',10),
(109,'dr.Siri',6362990000,'Mysore',74,'X-ray',5),
(110,'dr.Mohan',8566996187,'Bangalore',29,'CARDIOLOGY',1),
(111,'dr.Arun',7869996187,'Bangalore',39,'dental',2),
(112,'dr.Samarth',9562999699,'Mangalore',36,'SKIN',7),
(113,'dr.nommy',9448276546,'Sanjaynagar',30,'Radiology',3);
```

DBBeaver 22.2.0 - <shreya> Script-1.sql

```

insert into patients values(301, 'Param', 'Bangalore', 8765489034, 33, 1, 100),
(302, 'Soukya', 'Davengere', 8765411214, 39, 1, 100),
(303, 'Vp', 'Hassan', 9112489834, 77, 1, 101),
(304, 'Abhignya', 'Mysore', 8765489834, 35, 1, 110),
(305, 'Mohan', 'Bangalore', 8765489834, 33, 1, 110),
(306, 'Arun', 'Mysore', 6453489034, 41, 8, 102),
(307, 'Sammy', 'Mangalore', 9765645334, 49, 8, 102),
(308, 'Radha', 'Mangalore', 8899486453, 51, 8, 102),
(309, 'Krish', 'Mangalore', 976768453, 51, 8, 102),
(310, 'Davinci', 'Lahore', 9865486453, 40, 3, 103),
(311, 'Manu', 'Mangalore', 9765465483, 48, 3, 103),
(312, 'Marry', 'Darmasthal', 9733386453, 98, 3, 103),
(313, 'Reginald', 'Mangalore', 9765000853, 23, 3, 103),
(314, 'Akshay', 'Mukti', 7765586453, 51, 4, 104),
(315, 'Chai', 'Hassan', 8800886453, 65, 4, 104),
(316, 'Manasa', 'Hassan', 8332286453, 76, 4, 104),
(317, 'Sumana', 'Manipal', 9097886453, 31, 4, 104),
(318, 'Rohan', 'Mangalore', 9765680088, 79, 6, 105),
(319, 'Shank', 'Karkala', 9954345334, 69, 2, 105),
(320, 'Parl', 'Bangalore', 7008864533, 19, 3, 105),
(321, 'Garry', 'Mangalore', 9912153346, 22, 6, 105),
(322, 'Zooky', 'Bangalore', 9765883535, 26, 3, 106),
(323, 'Darren', 'Bangalore', 9965321453, 29, 3, 106),
(324, 'Sammy', 'Mysore', 9765099203, 33, 3, 107),
(325, 'Vineeth', 'Mandy', 9765908773, 53, 9, 107),
(326, 'Suhas', 'Kerala', 9765084242, 63, 10, 107),
(327, 'Rahat', 'Assam', 8121586453, 85, 10, 108),
(328, 'Kanya', 'Mumbai', 8800886453, 60, 10, 108),
(329, 'Chiranth', 'Bangalore', 881215603, 5, 109),
(330, 'Nina', 'Hassan', 8800889087, 60, 1, 109),
(331, 'Sammy', 'Mysore', 9765099203, 33, 3, 110),
(332, 'Sammy', 'Mangalore', 9765899203, 51, 3, 110),
(333, 'Nihal', 'Bihar', 9765099203, 78, 3, 111),
(334, 'Paul', 'Belgaum', 9765099203, 73, 3, 111),
(335, 'Sammv.k', 'Ganganaazar', 9765099203, 32, 3, 112);

```

## c) Join the table

### INNER JOIN

DBBeaver 22.2.0 - <shreya> Script-1.sql

```

-----joins-----
Select H.hID, H.h_name, D.dID, D.dr_name, D.dept_name, P.pID, P.p_name
from hospital H
inner join department D
ON H.hID =>D.hID
INNER JOIN patients P
on D.dID =>P.dID ;

```

ID	H_name	dID	dr_name	dept_name	pID	p_name
1	Bowing hospital	100	dr.shreya	ENT	301	Param
2	Bowing hospital	101	dr.vibha	GYNÄCOLOGY	302	Soukya
3	Bowing hospital	102	dr.Ram	ORTHOPAEDICS	306	Arun
4	KMC Hospital	102	dr.Ram	ORTHOPAEDICS	307	Sammy
5	KMC Hospital	102	dr.Ram	ORTHOPAEDICS	308	Radha
6	KMC Hospital	102	dr.Ram	ORTHOPAEDICS	309	Krish
7	KMC Hospital	102	dr.Ram	ORTHOPAEDICS	310	Davinci
8	E.SI Hospital	103	dr.Antony	NEUROLOGY	311	Manu
9	E.SI Hospital	103	dr.Antony	NEUROLOGY	312	Marry
10	E.SI Hospital	103	dr.Antony	NEUROLOGY	313	Reginald
11	E.SI Hospital	103	dr.Antony	NEUROLOGY	314	Akshay
12	KLES Hospital	104	dr.Sham	SURGERY	315	Chai
13	KLES Hospital	104	dr.Sham	SURGERY	316	Manasa
14	KLES Hospital	104	dr.Sham	SURGERY	317	Sumana
15	KLES Hospital	104	dr.Sham	SURGERY	318	Rohan

### RIGHT JOIN

DBBeaver 22.2.0 - <shreya> Script-1.sql

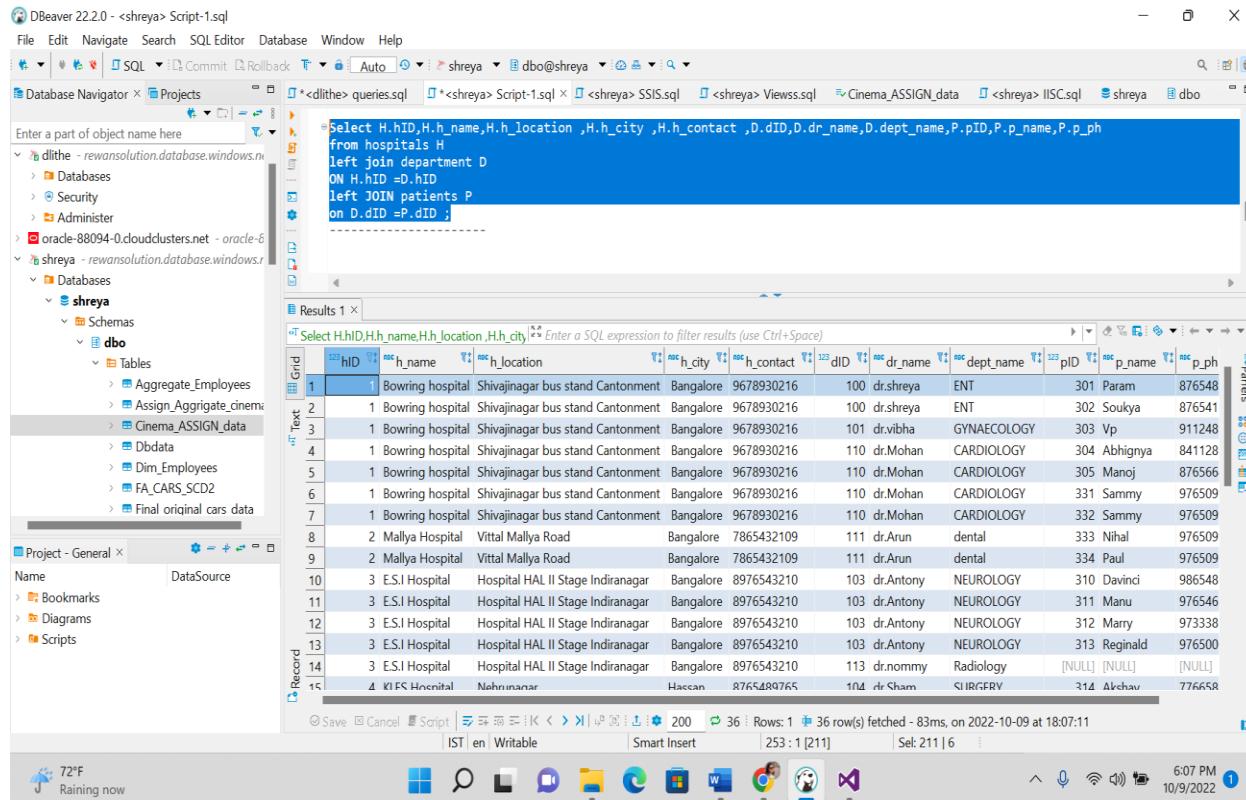
```

-----right join-----
Select H.hID, H.h_name, H.h_location ,H.h_city ,H.h_contact ,D.dID,D.dr_name,D.dept_name,P.pID,P.p_name,P.p_ph
from hospitals H
right join department D
ON H.hID =>D.hID
right JOIN patients P
on D.dID =>P.dID ;

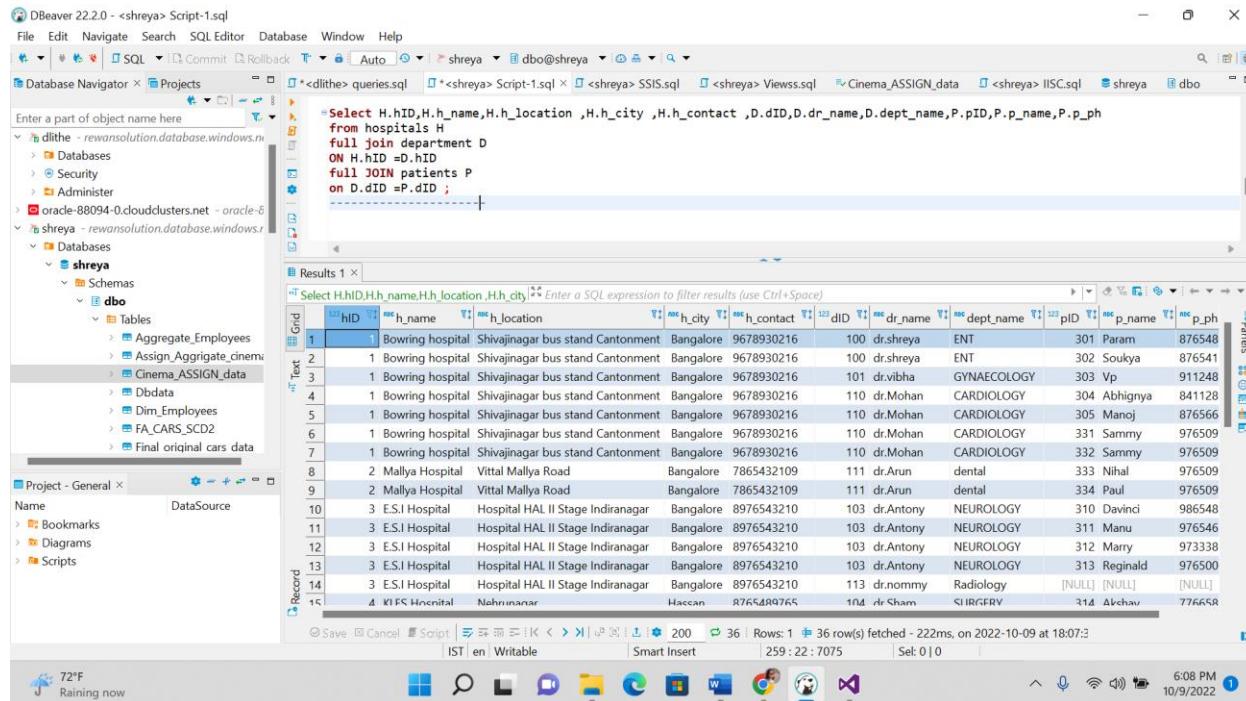
```

ID	H_name	h_location	h_city	h_contact	dID	dr_name	dept_name	pID	p_name	p_ph
1	Bowing hospital	Shivajinagar bus stand Cantonment	Bangalore	9678930216	100	dr.shreya	ENT	301	Param	876541
2	Bowing hospital	Shivajinagar bus stand Cantonment	Bangalore	9678930216	100	dr.shreya	ENT	302	Soukya	876541
3	Bowing hospital	Shivajinagar bus stand Cantonment	Bangalore	9678930216	101	dr.vibha	GYNÄCOLOGY	303	Vp	911248
4	Bowing hospital	Shivajinagar bus stand Cantonment	Bangalore	9678930216	100	dr.Mohan	CARDIOLOGY	304	Abhignya	841128
5	Bowing hospital	Jyothi circle	Mangalore	8886543010	102	dr.Ram	ORTHOPAEDICS	305	Manoj	876566
6	KMC Hospital	Jyothi circle	Mangalore	8886543010	102	dr.Ram	ORTHOPAEDICS	306	Arun	645348
7	KMC Hospital	Jyothi circle	Mangalore	8886543010	102	dr.Ram	ORTHOPAEDICS	307	Sammy	976564
8	KMC Hospital	Jyothi circle	Mangalore	8886543010	102	dr.Ram	ORTHOPAEDICS	308	Radha	889498
9	KMC Hospital	Jyothi circle	Mangalore	8886543010	102	dr.Ram	ORTHOPAEDICS	309	Krish	976768
10	Hospital HAL II Stage Indiranagar	Hospital HAL II Stage Indiranagar	Bangalore	8976543210	103	dr.Antony	NEUROLOGY	310	Davinci	986548
11	Hospital HAL II Stage Indiranagar	Hospital HAL II Stage Indiranagar	Bangalore	8976543210	103	dr.Antony	NEUROLOGY	311	Manu	976546
12	Hospital HAL II Stage Indiranagar	Hospital HAL II Stage Indiranagar	Bangalore	8976543210	103	dr.Antony	NEUROLOGY	312	Marry	973338
13	Hospital HAL II Stage Indiranagar	Hospital HAL II Stage Indiranagar	Bangalore	8976543210	103	dr.Antony	NEUROLOGY	313	Reginald	976500
14	Nehru Nagar	Hassan	Hassan	8765489765	104	dr.Sham	SURGERY	314	Akshay	776658
15	KLES Hospital	Nehru Nagar	Hassan	8765489765	104	dr.Sham	SURGERY	315	Chai	889498

## LEFT JOIN



## FULL JOIN



## CROSS JOIN

DBeaver 22.2.0 - <shreya> Script-1.sql

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Database Navigator Projects

Enter a part of object name here

--cross join

```
select P.pid,P.p_name ,P.p_age ,P.p_location ,D.dID ,D.dr_name ,D.dept_name ,H.hID ,H.h_name ,H.h_location ,H.h_contact
from patients as P
cross join department as D
cross join hospitals as H;
```

Results 1

	PID	p_name	p_age	p_location	dID	dr_name	dept_name	hID	h_name	h_location	h_contact
1	301	Param	33	Bangalore	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
2	302	Soukya	39	Davengere	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
3	303	Vp	77	Hassan	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
4	304	Abhignya	35	Mandy	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
5	305	Manoj	33	Bangalore	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
6	306	Arun	41	Mysore	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
7	307	Sammy	49	Mangalore	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
8	308	Radha	51	Mangalore	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
9	309	Krish	15	Mangalore	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
10	310	Davinci	40	Lahore	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
11	311	Manu	48	Mangalore	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
12	312	Marry	98	Darmasthala	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
13	313	Reginald	23	Mangalore	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
14	314	Akhay	51	Mulki	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
15	315	Chai	65	Hassan	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C
16	316	Manasa	76	Hassan	100	dr.shreya	ENT	1	Bowing hospital	Shivajinagar bus stand Cantonment	967893C

Save Cancel Script IST en Writable Smart Insert Rows: 1 200 row(s) fetched - 111ms (25ms fetch), on 2022-10-09 at 7:46 PM 10/9/2022

## d) Create different views

### SIMPLE VIEW

DBeaver 22.2.0 - <shreya> Viewss.sql

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Database Navigator Projects

Enter a part of object name here

--no of patients visited defined cities---

```
CREATE view same_cities as
select p_location ,count(pid) as no_of_patients from patients
group by p_location
having p_location ='Mangalore' or p_location='Bangalore' or p_location ='Delhi';

SELECT * from same_cities;
```

Results 1

p_location	no_of_patients
Bangalore	6
Delhi	1
Mangalore	8

Save Cancel Script IST en Writable Smart Insert Rows: 1 3 row(s) fetched - 91ms, on 2022-10-09 at 19:48:26 10/9/2022

## COMPLEX VIEW

DBBeaver 22.2.0 - <shreya> Viewss.sql

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Project - General X

Name DataSource

- > Bookmarks
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71°F Raining now

SQL Auto\_ shreya dbo@shreya

```
*<dlthe> queries.sql *<shreya> Script-1.s... *<shreya> SSIS.sql *<shreya> Viewss.sql *<shreya> Cinema_ASSIGN_data *<shreya> IISC.sql shreya dbo
```

create view full\_join as
 Select H.hID,H.h\_name,D.dID,D.dr\_name,D.dept\_name,P.pID,P.p\_name
 from hospitals H
 full join department D
 ON H.hID =D.hID
 full JOIN patients P
 on D.dID =P.dID;

 SELECT \* from full\_join

Results 1

	hID	h_name	dID	dr_name	dept_name	pID	p_name
1	1	Bowring hospital	100	dr.shreya	ENT	301	Param
2	1	Bowring hospital	100	dr.shreya	ENT	302	Soukya
3	1	Bowring hospital	101	dr.vibha	GYNAECOLOGY	303	Vp
4	1	Bowring hospital	110	dr.Mohan	CARDIOLOGY	304	Abhignya
5	1	Bowring hospital	110	dr.Mohan	CARDIOLOGY	305	Manoj
6	1	Bowring hospital	110	dr.Mohan	CARDIOLOGY	331	Sammy
7	1	Bowring hospital	110	dr.Mohan	CARDIOLOGY	332	Sammy
8	2	Mallya Hospital	111	dr.Arun	dental	333	Nihal
9	2	Mallya Hospital	111	dr.Arun	dental	334	Paul
10	3	E.S.I Hospital	103	dr.Antony	NEUROLOGY	310	Davinci
11	3	E.S.I Hospital	103	dr.Antony	NEUROLOGY	311	Manu
12	3	E.S.I Hospital	103	dr.Antony	NEUROLOGY	312	Marry
13	3	E.S.I Hospital	103	dr.Antony	NEUROLOGY	313	Reginald
14	3	E.S.I Hospital	113	dr.nommy	Radiology	[NULL]	[NULL]
15	4	KLES Hospital	104	dr.Sham	SURGERY	314	Akhay
16	4	KLES Hospital	104	dr.Sham	SURGERY	315	Chai

36 Rows: 1 36 row(s) fetched - 91ms, on 2022-10-09 at 19:53:30

Save Cancel Script | IST en Writable | Smart Insert | Set: 0 | 0

7:53 PM 10/9/2022

## VIEW ON NO.OF PATIENTS WHO HAD A CHECK UP MORE THAN ONCE

DBBeaver 22.2.0 - <shreya> Viewss.sql

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Database Navigator × Projects

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Project - General X

Name DataSource

- > Bookmarks
- > Diagrams
- > Scripts

71°F Raining now

SQL Auto\_ shreya dbo@shreya

```
*<shreya> SSIS.sql *<shreya> Viewss.sql *<shreya> Cinema_ASSIGN_data *<shreya> IISC.sql shreya dbo
```

```
----patient who had a check up more than once----

CREATE view multiple_checkup_patients as
select p_name ,count(pID) as repeated from patients group by p_name
having count(pID)>1;

SELECT * from multiple_checkup_patients;
```

Results 1

	p_name	repeated
1	Sammy	4

1 Rows: 1 1 row(s) fetched - 87ms, on 2022-10-09 at 19:55:08

Save Cancel Script | IST en Writable | Smart Insert | Set: 0 | 0

49: 1: 1157 7:55 PM 10/9/2022

## VIEW ON NO.OF DOCTORS WHO HAD NO CHECK ON ANY PATIENTS

The screenshot shows the DBBeaver interface with a query editor window open. The query is:-- dr\_nocheckup source
create view dr\_nocheckup as
select D.dID,D.dr\_name,D.dept\_name,P.pID
from patients P
right join department D on D.dID=P.dID where P.pID is NULL;
SELECT \* from dr\_nocheckup;The results grid shows one row:| dID | dr\_name | dept\_name | pID |
| --- | --- | --- | --- |
| 113 | dr.nommy | Radiology | [NULL] |

## 2. Using transaction table perform various operations ( DDL,DML,DCL,TCL)

At least two data source or more, Refer to the data source

### CREATE TABLE

The screenshot shows the DBBeaver interface with a query editor window open. The query is a long CREATE TABLE statement for 'Assign\_Query\_CAR\_SALES' table:CREATE TABLE Assign\_Query\_CAR\_SALES (
[SupplierID] float,
[SupplierAddress] nvarchar(255),
[SupplierName] nvarchar(255),
[SupplierContactDetails] nvarchar(255),
[ProductID] float,
[CarMaker] nvarchar(255),
[CarModel] nvarchar(255),
[CarColor] nvarchar(255),
[CarModelYear] float,
[CarPrice] float,
[CustomerID] nvarchar(255),
[CustomerName] nvarchar(255),
[Gender] nvarchar(255),
[JobTitle] nvarchar(255),
[PhoneNumber] nvarchar(255),
[EmailAddress] nvarchar(255),
[City] nvarchar(255),
[Country] nvarchar(255),
[CountryCode] nvarchar(255),
[State] nvarchar(255),
[CustomerAddress] nvarchar(255),
[OrderDate] float,
[OrderID] nvarchar(255),
[ShipDate] float,
[ShipMode] nvarchar(255),
[Shipping] nvarchar(255),
[PostalCode] float,
[Sales] float,
[Quantity] float,
[Discount] float,
[CreditCardType] nvarchar(255),
[CreditCard] float,
[CustomerFeedback] nvarchar(255)
);

INSERT

DBeaver 22.2.0 - <shreya> DDL,DMLsql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects Auto shreya dbo@shreya

Enter a part of object name here

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- shreya - rewansolution.database.windows.net

Tables External Tables Views Indexes Procedures Sequences Synonyms Triggers Data Types

---DML  
--insert

```
insert into Assign_Query_CAR_SALES values
(1002, '6 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', '1996', 562701.11, '48951-314',
1003, '8 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', '1996', 562701.11, '48951-314',
1004, '9 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', '1996', 562701.11, '48951-314');
```

Project - General

Name DataSource

Bookmarks Diagrams Scripts

Results 1

select \* from Assign\_Query\_CAR\_SALES ; Enter a SQL expression to filter results (use Ctrl+Space)

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear
1	1.002 6 Carioca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1996
2	1.003 8 Carioca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1996
3	1.004 9 Carioca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1996

Save Cancel Script IST en Writable Smart Insert Sel: 0 | 0

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ALTER

DBeaver 22.2.0 - <shreya> DDI, DMLsql

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      - Tables
      - External Tables
      - Views
      - Indexes
      - Procedures
      - Sequences
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      - Data Types

Project - General

Name DataSource

- Bookmarks
- Diagrams
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SQL Commit Rollback Auto shreya dbo@shreya Viewss... <shreya> SSIS.sql <shreya> Viewss... Cinema\_ASSIGN\_da... <shreya> IISC.sql <shreya> DDI, DMLs... x

insert into Assign\_Query\_CAR\_SALES values

```
= (1002, '6 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', 1996, 562701.11, '48951-314';
(1003, '8 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', 1996, 562701.11, '48951-314';
(1004, '9 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', 1996, 562701.11, '48951-314');
```

alter table Assign\_Query\_CAR\_SALES  
add owner\_name nvarchar;

select \* from Assign\_Query\_CAR\_SALES ;

Results 1

id	Shipping	PostalCode	Sales	Quantity	Discount	CreditCardType	CreditCard	CustomerFeedback	owner_name
1		46,614	885,826.68	1	0.78	maestro	5,020,000,000,000,000,000	Very Bad	[NULL]
2		46,614	885,826.68	1	0.78	maestro	5,020,000,000,000,000,000	Very Bad	[NULL]
3		46,614	885,826.68	1	0.78	maestro	5,020,000,000,000,000,000	Very Bad	[NULL]

Save Cancel Script ⌘ S < > 1 200 3 Rows: 1 3 row(s) fetched - 89ms, on 2022-10-09 at 20:09:43 IST en Writable Smart Insert 60 : 1 [105] Sel: 105 | 4

71°F Raining now

8:10 PM 10/9/2022

## UPDATE

The screenshot shows the DBBeaver interface with the following details:

- File Bar:** File, Edit, Navigate, Search, SQL Editor, Database, Window, Help.
- Toolbar:** Undo, Redo, Commit, Rollback, Auto, Database Navigator, Projects, SQL, Script, SSIS, Views, Cinema\_ASSIGN\_da..., IISC.sql, DDL, DML.
- Database Navigator:** Shows projects, databases, and tables for the 'shreya' database.
- SQL Editor:** Contains an UPDATE query:

```
--update
update Assign_Query_CAR_SALES
set SupplierName = 'shreya'
where SupplierID =1002;

select * from Assign_Query_CAR_SALES ;
```
- Results Grid:** Shows the results of the query:

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear
1,002	6 Caricoca Trail	shreya	159-34-3380	3,598	Mercury	Sable	Khaki	1,99
1,003	8 Caricoca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1,99
1,004	9 Caricoca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1,99
- Status Bar:** 71°F Raining now, 8:11 PM, 10/9/2022.

## DELETE

The screenshot shows the DBBeaver interface with the following details:

- File Bar:** File, Edit, Navigate, Search, SQL Editor, Database, Window, Help.
- Toolbar:** Undo, Redo, Commit, Rollback, Auto, Database Navigator, Projects, SQL, Script, SSIS, Views, Cinema\_ASSIGN\_da..., IISC.sql, DDL, DML.
- Database Navigator:** Shows projects, databases, and tables for the 'shreya' database.
- SQL Editor:** Contains a DELETE query:

```
--update
update Assign_Query_CAR_SALES
set SupplierName = 'shreya'
where SupplierID =1002;

select * from Assign_Query_CAR_SALES ;
```
- Results Grid:** Shows the results of the query:

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear
1,002	6 Caricoca Trail	shreya	159-34-3380	3,598	Mercury	Sable	Khaki	1,99
1,003	8 Caricoca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1,99
- Status Bar:** 71°F Raining now, 8:12 PM, 10/9/2022.

## RENAME

The screenshot shows the DBBeaver interface with a SQL editor tab open. The code in the editor is as follows:

```
--update
update Assign_Query_CAR_SALES
set SupplierName = 'shreya'
where SupplierID =1002;

select * from Assign_Query_CAR_SALES ;

---delete
delete from Assign_Query_CAR_SALES
where SupplierID =1004;

select * from Assign_Query_CAR_SALES ;

--RENAME
alter table Assign_Query_CAR_SALES
RENAME COLUMN SupplierID TO Supplier_ID

EXEC SP_RENAME 'Assign_Query_CAR_SALES ','Assign_Query_CAR_SALES ';
```

The last line of the script, `EXEC SP\_RENAME 'Assign\_Query\_CAR\_SALES ','Assign\_Query\_CAR\_SALES '`, is highlighted in blue. Below the editor, a statistics window shows the execution details:

Name	Value
Updated Rows	-1
Finish time	Sun Oct 09 20:14:10 IST 2022

At the bottom of the screen, the system tray shows the date and time as Sun Oct 09 20:14:10 IST 2022.

## TRUNCATE

The screenshot shows the DBBeaver interface with a SQL editor tab open. The code in the editor is as follows:

```
--update
update Assign_Query_CAR_SALES
set SupplierName = 'shreya'
where SupplierID =1002;

select * from Assign_Query_CAR_SALES ;

---delete
delete from Assign_Query_CAR_SALES
where SupplierID =1004;

select * from Assign_Query_CAR_SALES ;

--RENAME
alter table Assign_Query_CAR_SALES
RENAME COLUMN SupplierID TO Supplier_ID

EXEC SP_RENAME 'Assign_Query_CAR_SALES ','Assign_Query_CAR_SALES ';
```

The line `TRUNCATE TABLE Assign\_Query\_CAR\_SALES ;` is highlighted in blue. Below the editor, a results window shows the output of the query:

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear

At the bottom of the screen, the system tray shows the date and time as Sun Oct 09 20:14:52 IST 2022.

# DROP

DBBeaver 22.2.0 - <shreya> DDL,DML.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator × Projects

Enter a part of object name here

shreya - rewansolution.database.windows.net

oracle-88094-0.cloudclusters.net - oracle-6

shreya - rewansolution.database.windows.net

Databases Security Administrator

shreya

Schemas

dbo

Tables External Tables Views Indexes Procedures Sequences Synonyms Triggers Data Types

\*<dlithe> queries... <shreya> Script... <shreya> SSIS.sql \*<shreya> Viewss... Cinema\_ASSIGN\_da... <shreya> IISC.sql <shreya> DDL,DML...

Auto\_ shreya dbo@shreya

set SupplierName = 'shreya'  
where SupplierID =1002;

select \* from Assign\_Query\_CAR\_SALES ;

--delete  
delete from Assign\_Query\_CAR\_SALES  
where SupplierID =1004;

select \* from Assign\_Query\_CAR\_SALES ;

--RENAME  
alter table Assign\_Query\_CAR\_SALES  
RENAME COLUMN SupplierID TO Supplier\_ID

EXEC SP\_RENAME 'Assign\_Query\_CAR\_SALES' , 'Assign\_Query\_CAR\_SALES '

--TRUNCATE  
TRUNCATE TABLE Assign\_Query\_CAR\_SALES ;

select \* from Assign\_Query\_CAR\_SALES ;

--DROP  
DROP TABLE Assign\_Query\_CAR\_SALES;

Project - General X

Name DataSource

Bookmarks Diagrams Scripts

Statistics 1 X

Name	Value
Updated Rows	0
Query	DROP TABLE Assign_Query_CAR_SALES;
Finish time	Sun Oct 09 20:15:13 IST 2022

Save Cancel Script IST en Writable 200 1 Rows: 0 0 row(s) updated - 34ms, on 2022-10-09 at 20:15:13 100 : 1 [35] Sel: 35 | 1

8:15 PM 10/9/2022

72°F Rain showers

Panels