

Final Assessment

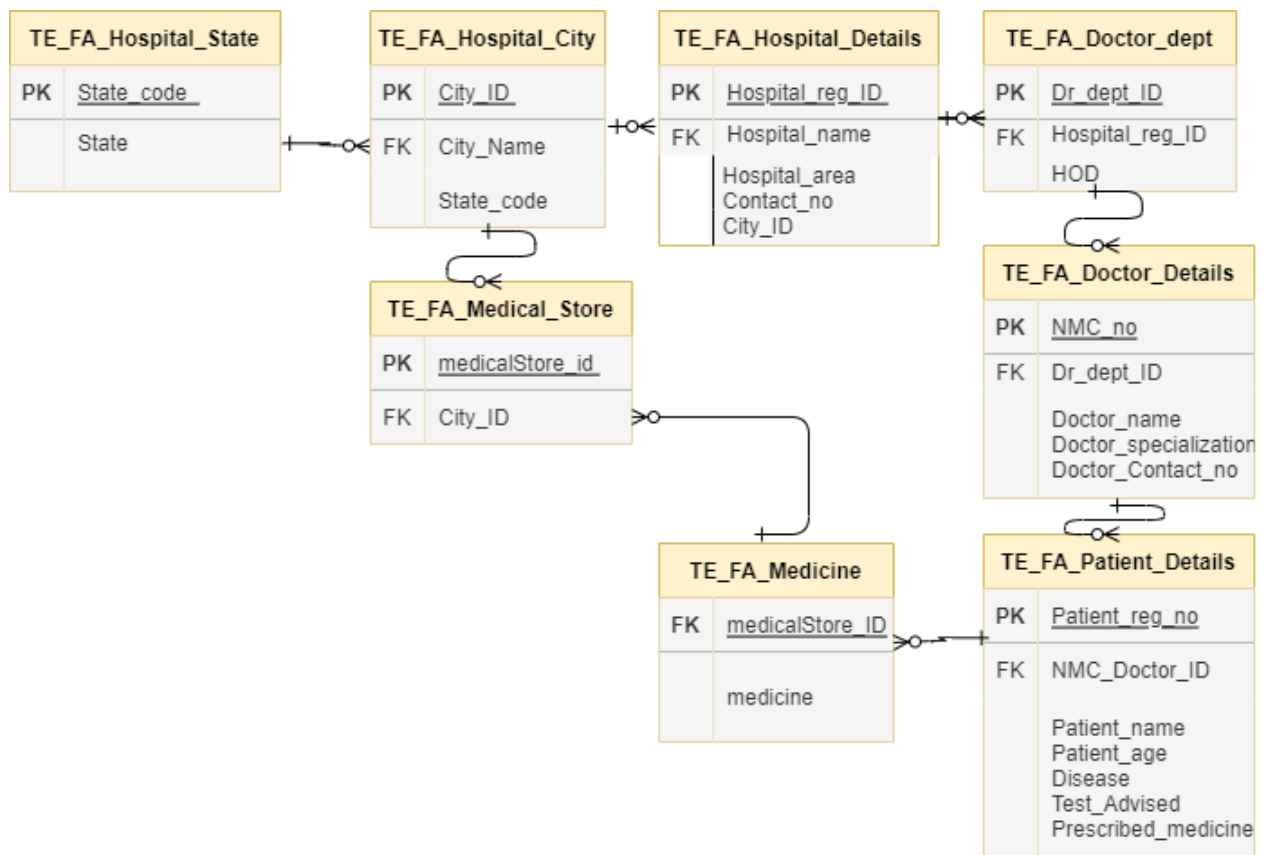
SQL SERVER

This document is about creating normalized tables in SQL, joining tables, creating views and also different SQL statements with different SQL queries.

1) Normalization:

Scenario:

Healthcare domain: Multiple patients visiting hospitals located in multiple states and cities, for checkup and treatment, multiple doctors treating patients belong to specific department advising different checkups and further medicines for the disease identified and patients visiting different medical shops of different cities.



a) Creating Normalized Tables

-----Normalized Tables-----

-----Creating table for Hospital State

```
CREATE TABLE TE_FA_State
(
  State_code varchar(20) PRIMARY KEY,
  State varchar(50)
);
```

-----Creating table for hospital city

```
create table TE_FA_City
(
  City_ID int Primary key,
  City_Name varchar(50),
  State_code varchar(20) foreign key references TE_FA_State(State_code)
);
```

-----Creating Table for Hospital Details

```
create table TE_FA_Hospital_Details
(
  Hospital_reg_ID int primary key,
  Hospital_name varchar(50) not null,
  Hospital_area varchar(20) default 'Search with Hospital reg no',
  Contact_no varchar(20),
  City_ID int foreign key references TE_FA_City(City_ID)
);
select * from TE_FA_Hospital_Details;
```

-----Creating table for medical store details

```
create table TE_FA_Medical_Store
(
  medicalStore_id int primary key,
  City_ID int foreign key references TE_FA_City(City_ID)
);
```

-----Creating table for Doctor departments

```
create table TE_FA_Doctor_dept
(
  Dr_dept_ID int primary key,
  HOD varchar(50),
  Hospital_reg_ID int foreign key references TE_FA_Hospital_Details(Hospital_reg_ID)
);
alter table TE_FA_Doctor_dept
add dept_name varchar(20);
```

-----Creating table for doctor details

```
create table TE_FA_Doctor_Details
(
  NMC_no int primary key,
  Doctor_name varchar(50) unique,
  Doctor_specialization varchar(50),
  Doctor_Contact_no varchar(20),
  Dr_dept_ID int foreign key references TE_FA_Doctor_dept(Dr_dept_ID)
);
```

-----Creating table for patient details

```
create table TE_FA_Patient_Details
(
  Patient_reg_no int primary key,
  Patient_name varchar(20),
  Patient_age int,
  Disease varchar(20),
  Test_Advised varchar(50),
  Prescribed_medicine varchar(50),
  NMC_Doctor_ID int foreign key references TE_FA_Doctor_Details(NMC_no)
);
alter table TE_FA_Patient_Details
alter column Disease varchar(50);

create table TE_FA_Medicine
(
  medicine varchar(50),
  medicalStore_ID int foreign key references TE_FA_Medical_Store(medicalStore_ID)
);
```

-----Inserting data into Hospital state

```
insert into TE_FA_State values('DL','Delhi'),('TN','Tamil
Nadu'),('KA','Karnataka'),('MH','Maharashtra'),
('HR','Haryana'),('AD','Andra Pradesh'),('WS','West Bengal');
update TE_FA_State set State_code='AP' where state='Andra Pradesh';
select * from TE_FA_State;
```

SQL: SELECT * FROM TE_FA_State; Enter a SQL

Grid	abc State_code	abc State
1	AP	Andra Pradesh
2	DL	Delhi
3	HR	Haryana
4	KA	Karnataka
5	MH	Maharashtra
6	TN	Tamil Nadu
7	WS	West Bengal

-----Inserting data into Hospital City

```
insert into TE_FA_City
values(1001,'Chennai','TN'),(1002,'Delhi','DL'),(1003,'Bengaluru','KA'),
(1004,'Gurgaon','HR'),(1005,'Mumbai','MH'),(1006,'Kolkata','WS'),(1007,'Hyderabad','A
P');
select * from TE_FA_City;
```

SQL: select * from TE_FA_City;

Grid	123 City_ID	abc City_Name	abc State_code
1	1,001	Chennai	TN
2	1,002	Delhi	DL
3	1,003	Bengaluru	KA
4	1,004	Gurgaon	HR
5	1,005	Mumbai	MH
6	1,006	Kolkata	WS
7	1,007	Hyderabad	AP

-----Inserting data into Hospital table

```

insert into
TE_FA_Hospital_Details(Hospital_reg_ID,Hospital_name,Hospital_area,Contact_no,City_ID
)values
(760,'Apollo Hospital','Greems Lane','04428293333',1001),
(768,'Fortis Escorts Heart Institute','Okhla road','07669584409',1002),
(528,'Indraprastha Apollo Hospital','Sarita Vihar','18605001066',1002),
(981,'Fortis Hospital','Bannerghatta road','09663367253',1003),
(719,'Nanavati Super Speciality Hospital','Vile Parle(West)','09156514776',1005),
(451,'Manipal Hospital','HAL Airport Road','18001024647',1003),
(982,'Max Super Speciality Hospital','Mandir Marg','08182269400',1002),
(561,'Columbia Asia Referral Hospital','Malleswaram West','8061656262',1003),
(692,'Artemis Hospital','Gurgaon','01244511111',1004),
(782,'Fortis Memorial Research Institute','Gurgaon','01244962200',1006),
(845,'Wockhardt Hospital','Anand Nair Road','08108101104',1005),
(901,'Fortis Malar Hospital','Gandhi nagar','09962599933',1001),
(801,'Fortis Hospital Anandpur','Anandapur','03366284444',1006),
(988,'Ruby Hall Clinic','Sassoon Road','02066455100',1005),
(933,'Maxcure Hospitals','Hitech City','4049404940',1007);
select * from TE_FA_Hospital_Details;

```

	123 Hospital_reg_ID ↕	abc Hospital_name ↕	abc Hospital_area ↕	abc Contact_no ↕	123 City_ID ↕
1	451	Manipal Hospital	HAL Airport Road	18001024647	1,003 ↗
2	528	Indraprastha Apollo Hospital	Sarita Vihar	18605001066	1,002 ↗
3	561	Columbia Asia Referral Hospital	Malleswaram West	8061656262	1,003 ↗
4	692	Artemis Hospital	Gurgaon	01244511111	1,004 ↗
5	719	Nanavati Super Speciality Hospital	Vile Parle(West)	09156514776	1,005 ↗
6	760	Apollo Hospital	Greems Lane	04428293333	1,001 ↗
7	768	Fortis Escorts Heart Institute	Okhla road	07669584409	1,002 ↗
8	782	Fortis Memorial Research Institute	Gurgaon	01244962200	1,006 ↗
9	801	Fortis Hospital Anandpur	Anandapur	03366284444	1,006 ↗
10	845	Wockhardt Hospital	Anand Nair Road	08108101104	1,005 ↗
11	901	Fortis Malar Hospital	Gandhi nagar	09962599933	1,001 ↗
12	933	Maxcure Hospitals	Hitech City	4049404940	1,007 ↗
13	981	Fortis Hospital	Bannerghatta road	09663367253	1,003 ↗
14	982	Max Super Speciality Hospital	Mandir Marg	08182269400	1,002 ↗
15	988	Ruby Hall Clinic	Sassoon Road	02066455100	1,005 ↗

-----Inserting data into TE_FA_Medical_Store

```

insert into TE_FA_Medical_Store(medicalStore_id,City_ID)
values(201,1001),(202,1001),(203,1002),(204,1002),(205,1003),(206,1003),
(207,1004),(208,1004),(209,1005),(210,1005),(211,1006),(212,1006),(213,1007),(214,100
7);
select * from TE_FA_Medical_Store;

```

	123 medicalStore_id ↕	123 City_ID ↕
1	201	1,001 ↗
2	202	1,001 ↗
3	203	1,002 ↗
4	204	1,002 ↗
5	205	1,003 ↗
6	206	1,003 ↗
7	207	1,004 ↗
8	208	1,004 ↗
9	209	1,005 ↗
10	210	1,005 ↗
11	211	1,006 ↗
12	212	1,006 ↗
13	213	1,007 ↗
14	214	1,007 ↗

-----inserting data into TE_FA_Doctor_dept

```
insert into TE_FA_Doctor_dept(Dr_dept_ID,HOD,Hospital_reg_ID,Dept_name) values
(10,'Dr.M.R.Shivakumar',760,'Neurology'),(20,'Dr.Joseph Tachil',760,'Urology'),
(30,'Dr.Prakash Chand',760,'Cardiology'),(40,'Dr.Aparna Jaswal',768,'Cardiology'),
(50,'Dr.Ramesh Jois',981,'Reumatology'),(60,'Dr.Srinivas',982,'Oncology'),
(70,'Dr.Basumani',692,'Gastroenterology'),(80,'Dr.Risha Nahar',933,'Genetic
Counselling'),
(90,'Dr.Gowri Bhattacharya',801,'Cancer'),(100,'Dr.Amrita Rao',451,'Gynecology');
select * from TE_FA_Doctor_dept;
```

	123 Dr_dept_ID ↕	abc HOD ↕	123 Hospital_reg_ID ↕	abc dept_name ↕
1	10	Dr.M.R.Shivakumar	760 ↗	Neurology
2	20	Dr.Joseph Tachil	760 ↗	Urology
3	30	Dr.Prakash Chand	760 ↗	Cardiology
4	40	Dr.Aparna Jaswal	768 ↗	Cardiology
5	50	Dr.Ramesh Jois	981 ↗	Reumatology
6	60	Dr.Srinivas	982 ↗	Oncology
7	70	Dr.Basumani	692 ↗	Gastroenterology
8	80	Dr.Risha Nahar	933 ↗	Genetic Counsellin
9	90	Dr.Gowri Bhattachar	801 ↗	Cancer
10	100	Dr.Amrita Rao	451 ↗	Gynecology

-----Inserting data into TE_FA_Doctor_Details

```

insert into TE_FA_Doctor_Details
(NMC_no,Doctor_name,Doctor_specialization,Doctor_Contact_no,Dr_dept_ID)
values(1234,'Dr.M.R.Shivakumar','Neurologist','916728891',10),
(9876,'Dr.Joseph Tachil','Urologist','8891147733',20),
(6678,'Dr.Prakash Chand','Cardiologist','9981267872',30),
(1469,'Dr.Aparna Jaswal','Cardiologist','7877661999',30),
(7893,'Dr.Prakash Mittal','Neurologist','8899765231',10),
(5679,'Dr.Akhil Mishra','Nephrologist','7782996178',10),
(8955,'Dr.Harsh Dua','Oncologist','9900778821',60),
(2788,'Dr.Ramesh Jois','Rheumatologist','8877921345',50),
(9823,'Dr.Nagabhushan K.N','Vascular Surgeon','9722892271',20),
(9081,'Dr.Nitin Dange','Neurologist','9988547800',10),
(6923,'Dr.Suresh V Joshi','Cardiologist','8812557910',40),
(2834,'Dr.Amrita Rao','Gynecologist','9981778145',100),
(9492,'Dr.Srinivas','Oncologist','8877614599',60),
(2789,'Dr.Ajay Lal','Respiratory medicine','9966146288',20),
(9166,'Dr.Himanshu Garg','Chest Physician','9976435578',30),
(8902,'Dr.Mamta Pattnayak','Nephrologist','6798334156',50),
(5690,'Dr.Suresh Joshi','Cardio Thoracic','9922468123',30),
(7809,'Dr.Abhay Nene','Spine Surgeon','9426788733',20),
(4566,'Dr.Basumani','Gastroenterologist','9911268367',70),
(6789,'Dr.Gowri Bhattacharya','Cancer Specialist','6782991566',90),
(8909,'Dr.Parvez Grant','Cardiologist','8816228390',30),
(7899,'Dr.Risha Nahar','Genetic Counsellor','7891562788',80),
(9934,'Mithil Gushe','General Physician','8899267183',70);
select * from TE_FA_Doctor_Details;

```

	123 NMC_no	ABC Doctor_name	ABC Doctor_specialization	ABC Doctor_Contact_no	123 Dr_dept_ID
1	1,234	Dr.M.R.Shivakumar	Neurologist	916728891	10
2	1,469	Dr.Aparna Jaswal	Cardiologist	7877661999	30
3	2,788	Dr.Ramesh Jois	Rheumatologist	8877921345	50
4	2,789	Dr.Ajay Lal	Respiratory medicine	9966146288	20
5	2,834	Dr.Amrita Rao	Gynecologist	9981778145	100
6	4,566	Dr.Basumani	Gastroenterologist	9911268367	70
7	5,679	Dr.Akhil Mishra	Nephrologist	7782996178	10
8	5,690	Dr.Suresh Joshi	Cardio Thoracic	9922468123	30
9	6,678	Dr.Prakash Chand	Cardiologist	9981267872	30
10	6,789	Dr.Gowri Bhattachar	Cancer Specialist	6782991566	90
11	6,923	Dr.Suresh V Joshi	Cardiologist	8812557910	40
12	7,809	Dr.Abhay Nene	Spine Surgeon	9426788733	20
13	7,893	Dr.Prakash Mittal	Neurologist	8899765231	10
14	7,899	Dr.Risha Nahar	Genetic Counsellor	7891562788	80
15	8,902	Dr.Mamta Pattnayal	Nephrologist	6798334156	50
16	8,909	Dr.Parvez Grant	Cardiologist	8816228390	30
17	8,955	Dr.Harsh Dua	Oncologist	9900778821	60
18	9,081	Dr.Nitin Dange	Neurologist	9988547800	10
19	9,166	Dr.Himanshu Garg	Chest Physician	9976435578	30
20	9,492	Dr.Srinivas	Oncologist	8877614599	60
21	9,823	Dr.Nagabhushan K.I	Vascular Surgeon	9722892271	20
22	9,876	Dr.Joseph Tachil	Urologist	8891147733	20
23	9,934	Mithil Gushe	General Physician	8899267183	70

-----Inserting data into TE_FA_Patient_Details

insert into

TE_FA_Patient_Details(Patient_reg_no,Patient_name,Patient_age,Disease,Test_Advised,Prescribed_medicine,NMC_Doctor_ID)

values(101,'Raju',34,'Nerve Damage','MRI','Duloxetine',1234),
(102,'Sham',30,'Memory Loss','MRI','Galantamine',1234),
(103,'Ram',47,'Kidney infection','CT','cefalexin',9876),
(104,'Lakshmi',66,'UTI','CT','ciprofloxacin',9876),
(105,'Mala',25,'Heart attack','ECG','Captopril',6678),
(106,'Kapil',56,'Chest Pain','Holter Monitoring','Lisinopril',6678),
(107,'Guru',34,'Heart Stroke','ECG','Captopril',1469),
(108,'John',67,'Nerve Disorder','CT scan','Duloxetine',7893),
(109,'Virat',48,'Diabetes','Regular A1C test','Afinitor,Auryxia',5679),
(110,'Merry',58,'High blood pressure','Echocardiogram','perindopril',5679),
(111,'Megha',45,'cancer','PET','altretamine',8955),
(112,'Ram',37,'Generalized weakness','anticitrullinated peptide antibody test','Hydroxychloroquine',2788),
(113,'Josh',81,'Swelling in joints','CT','Methotrexate',2788),
(114,'Reshma',26,'peripheral artery disease','MRI','Captopril',9823),
(115,'Uma',36,'artery disease','MRI','Captopril',9823),
(116,'Krish',56,'Nerve Disorder','CT scan','Duloxetine',9081),
(117,'Kham',30,'Memory Loss','MRI','Galantamine',9081),
(118,'Shamala',65,'Heart attack','ECG','Captopril',6923),
(119,'Kantiraj',56,'Chest Pain','Holter Monitoring','Lisinopril',6923),
(120,'Sheema',29,'endometriosis','naproxen','CA125 Test',2834),
(121,'Sita',56,'cancer','PET','altretamine',9492),
(122,'Ruta',66,'cancer','PET','altretamine',9492),
(123,'Maala',44,'Respiratory infection','MRI','Cefuroxime',2789),
(124,'Shaan',54,'Respiratory infection','CT','Cefuroxime',2789),
(125,'Raj',38,'lung infection','MRI','altretamine',9166),
(126,'Haj',48,'lung infection','MRI','altretamine',9166),
(127,'Kartik',48,'Diabetes','Regular A1C test','Auryxia',8902),
(128,'swartik',78,'Diabetes','Regular A1C test','Afinitor',8902),
(129,'Komala',65,'Heart attack','ECG','Captopril',5690),
(130,'Manraj',56,'Chest Pain','Holter Monitoring','Lisinopril',5690),
(131,'Mithun',39,'chronic back pain','MRI','Captopril',7809),
(132,'Shankar',32,'chronic neck pain','MRI','Captopril',7809),
(133,'Mishrit',45,'Digestion Problem','Xray','Auryxia',4566),
(134,'Sushrit',67,'Digestive infection','Xray','Lisinopril',4566),
(135,'Pushpa',45,'cancer','PET','altretamine',6789),
(136,'Vihan',55,'cancer','CT','altretamine',6789),
(137,'Malik',65,'Heart attack','ECG','Captopril',8909),
(138,'Kantiraj',56,'Chest Pain','Holter Monitoring','Lisinopril',8909),
(139,'Misba',25,'chromosomal disorder','karyotype test','No medicine',7899),
(140,'Sachin',78,'cardiovascular issue','MRI','naproxen',9934),
(141,'Radha',48,'nerve infection','MRI','Lisinopril',9934),
(142,'Dev',78,'Nerve pain','MRI','Duloxetine',7893);

select * from TE_FA_Patient_Details;

	123 Patient_reg_no	abc Patient_name	123 Patient_age	abc Disease	abc Test_Advised	abc Prescribed_medicine	123 NMC_Doctor_ID
1	101	Raju	34	Nerve Damage	MRI	Duloxetine	1,234
2	102	Sham	30	Memory Loss	MRI	Galantamine	1,234
3	103	Ram	47	Kidney infection	CT	cefalexin	9,876
4	104	Lakshmi	66	UTI	CT	ciprofloxacin	9,876
5	105	Mala	25	Heart attack	ECG	Captopril	6,678
6	106	Kapil	56	Chest Pain	Holter Monitoring	Lisinopril	6,678
7	107	Guru	34	Heart Stroke	ECG	Captopril	1,469
8	108	John	67	Nerve Disorder	CT scan	Duloxetine	7,893
9	109	Virat	48	Diabetes	Regular A1C test	Afinitor,Auryxia	5,679
10	110	Merry	58	High blood pressure	Echocardiogram	perindopril	5,679
11	111	Megha	45	cancer	PET	altretamine	8,955
12	112	Ram	37	Generalized weakness	antitubercular therapy	Hydroxychloroquine	2,788
13	113	Josh	81	Swelling in joint	CT	Methotrexate	2,788
14	114	Reshma	26	peripheral artery disease	MRI	Captopril	9,823
15	115	Uma	36	artery disease	MRI	Captopril	9,823
16	116	Krish	56	Nerve Disorder	CT scan	Duloxetine	9,081
17	117	Kham	30	Memory Loss	MRI	Galantamine	9,081
18	118	Shamala	65	Heart attack	ECG	Captopril	6,923
19	119	Kantraj	56	Chest Pain	Holter Monitoring	Lisinopril	6,923
20	120	Sheema	29	endometriosis	naproxen	CA125 Test	2,834
21	121	Sita	56	cancer	PET	altretamine	9,492
22	122	Ruta	66	cancer	PET	altretamine	9,492
23	123	Maala	44	Respiratory infection	MRI	Cefuroxime	2,789
24	124	Sham	54	Respiratory infection	CT	Cefuroxime	2,789

Save Cancel Script 200 42 Rows: 1 42 row(s) fetched - 325ms, on 2022-10-14 at 11:05:!

```

insert into TE_FA_Medicine(medicine,medicalStore_ID)
values ('Auryxia',201),('naproxen',202),
('Cefuroxime',201),('altretamine',202),('Captopril',203),('Afinitor',203),
('Lisinopril',204),('Cefuroxime',204),('Cefuroxime',205),('naproxen',205),
('Duloxetine',206),('altretamine',206),('naproxen',207),('Lisinopril',207);
select * from TE_FA_Medicine;

```

	abc medicine	123 medicalStore_ID
1	Auryxia	201
2	naproxen	202
3	Cefuroxime	201
4	altretamine	202
5	Captopril	203
6	Afinitor	203
7	Lisinopril	204
8	Cefuroxime	204
9	Cefuroxime	205
10	naproxen	205
11	Duloxetine	206
12	altretamine	206
13	naproxen	207
14	Lisinopril	207

2. Joining Tables:

----- Joining Tables-----

--Joins:

- 1.Inner Join: Only returns rows that meet the join condition,
- 2.Left outer Join: Returns all rows from the left table(first) and matched rows from right table.
- 3.Right Join: Returns all rows from the right table and matched rows from left table.
- 4.Full Join: Returns all rows from both table even if join condition is not met.
- 5.Cross/cartesian Join: Returns all rows joined from both tables (cartesian product)

a) Inner Join: Performing inner join to get medical stores of a particular state and city

-----Inner Join

```
select S.State,C.City_Name,MS.medicalStore_id
from TE_FA_Medical_Store as MS
inner join TE_FA_City as C on MS.City_ID=C.City_ID
inner join TE_FA_State S on C.State_code=S.State_code;
```

	asc State	asc City_Nam	123 medicalStore_id
1	Tamil Nadu	Chennai	201
2	Tamil Nadu	Chennai	202
3	Delhi	Delhi	203
4	Delhi	Delhi	204
5	Karnataka	Bengaluru	205
6	Karnataka	Bengaluru	206
7	Haryana	Gurgaon	207
8	Haryana	Gurgaon	208
9	Maharashtra	Mumbai	209
10	Maharashtra	Mumbai	210
11	West Bengal	Kolkata	211
12	West Bengal	Kolkata	212
13	Andra Pradesh	Hyderabad	213
14	Andra Pradesh	Hyderabad	214

b) Left Join: Performing left join to get details of Hospital departments of particular hospital in a particular city.

-----Left Join

```
select C.City_Name,H.Hospital_name,D.Dr_dept_ID,D.HOD
from TE_FA_Doctor_dept as D
left join TE_FA_Hospital_Details as H on D.Hospital_reg_ID=H.Hospital_reg_ID
left join TE_FA_city as C on C.City_ID = H.City_ID;
```

	ABC City_Name	ABC Hospital_name	123 Dr_dept_ID	ABC HOD
1	Chennai	Apollo Hospital	10	Dr.M.R.Shivakumar
2	Chennai	Apollo Hospital	20	Dr.Joseph Tachil
3	Chennai	Apollo Hospital	30	Dr.Prakash Chand
4	Delhi	Fortis Escorts Heart Institute	40	Dr.Aparna Jaswal
5	Bengaluru	Fortis Hospital	50	Dr.Ramesh Jois
6	Delhi	Max Super Speciality Hospital	60	Dr.Srinivas
7	Gurgaon	Artemis Hospital	70	Dr.Basumani
8	Hyderabad	Maxcure Hospitals	80	Dr.Risha Nahar
9	Kolkata	Fortis Hospital Anandpur	90	Dr.Gowri Bhattachar
10	Bengaluru	Manipal Hospital	100	Dr.Amrita Rao

c) Right Join: Performing Right join to get details of medical stores of a city.

```
-----Right join
select S.State,C.City_Name,MS.medicalStore_id
from TE_FA_Medical_Store as MS
right join TE_FA_City as C on MS.City_ID=C.City_ID
right join TE_FA_State S on C.State_code=S.State_code;
```

	ABC State	ABC City_Name	123 medicalStore_id
1	Andra Pradesh	Hyderabad	213
2	Andra Pradesh	Hyderabad	214
3	Delhi	Delhi	203
4	Delhi	Delhi	204
5	Haryana	Gurgaon	207
6	Haryana	Gurgaon	208
7	Karnataka	Bengaluru	205
8	Karnataka	Bengaluru	206
9	Maharashtra	Mumbai	209
10	Maharashtra	Mumbai	210
11	Tamil Nadu	Chennai	201
12	Tamil Nadu	Chennai	202
13	West Bengal	Kolkata	211
14	West Bengal	Kolkata	212

d) Full Join: Performing full join to get details of

```
-----Full join
select C.City_Name,H.Hospital_name,D.Dr_dept_ID,D.HOD
from TE_FA_Doctor_dept as D
full join TE_FA_Hospital_Details as H on D.Hospital_reg_ID=H.Hospital_reg_ID
full join TE_FA_city as C on C.City_ID = H.City_ID;
```

	City_Name	Hospital_name	Dr_dept_ID	HOD
1	Chennai	Apollo Hospital	10	Dr.M.R.Shivakumar
2	Chennai	Apollo Hospital	20	Dr.Joseph Tachil
3	Chennai	Apollo Hospital	30	Dr.Prakash Chand
4	Delhi	Fortis Escorts Heart Ir	40	Dr.Aparna Jaswal
5	Bengaluru	Fortis Hospital	50	Dr.Ramesh Jois
6	Delhi	Max Super Speciality	60	Dr.Srinivas
7	Gurgaon	Artemis Hospital	70	Dr.Basumani
8	Hyderabad	Maxcure Hospitals	80	Dr.Risha Nahar
9	Kolkata	Fortis Hospital Ananc	90	Dr.Gowri Bhattachar
10	Bengaluru	Manipal Hospital	100	Dr.Amrita Rao
11	Delhi	Indraprastha Apollo I	[NULL]	[NULL]
12	Bengaluru	Columbia Asia Referr	[NULL]	[NULL]
13	Mumbai	Nanavati Super Speci	[NULL]	[NULL]
14	Kolkata	Fortis Memorial Rese	[NULL]	[NULL]
15	Mumbai	Wockhardt Hospital	[NULL]	[NULL]
16	Chennai	Fortis Malar Hospital	[NULL]	[NULL]
17	Mumbai	Ruby Hall Clinic	[NULL]	[NULL]

-----Cross join

```
select H.Hospital_name,D.Doctor_specialization
from TE_FA_Hospital_details as H,
TE_FA_Doctor_details as D;
```

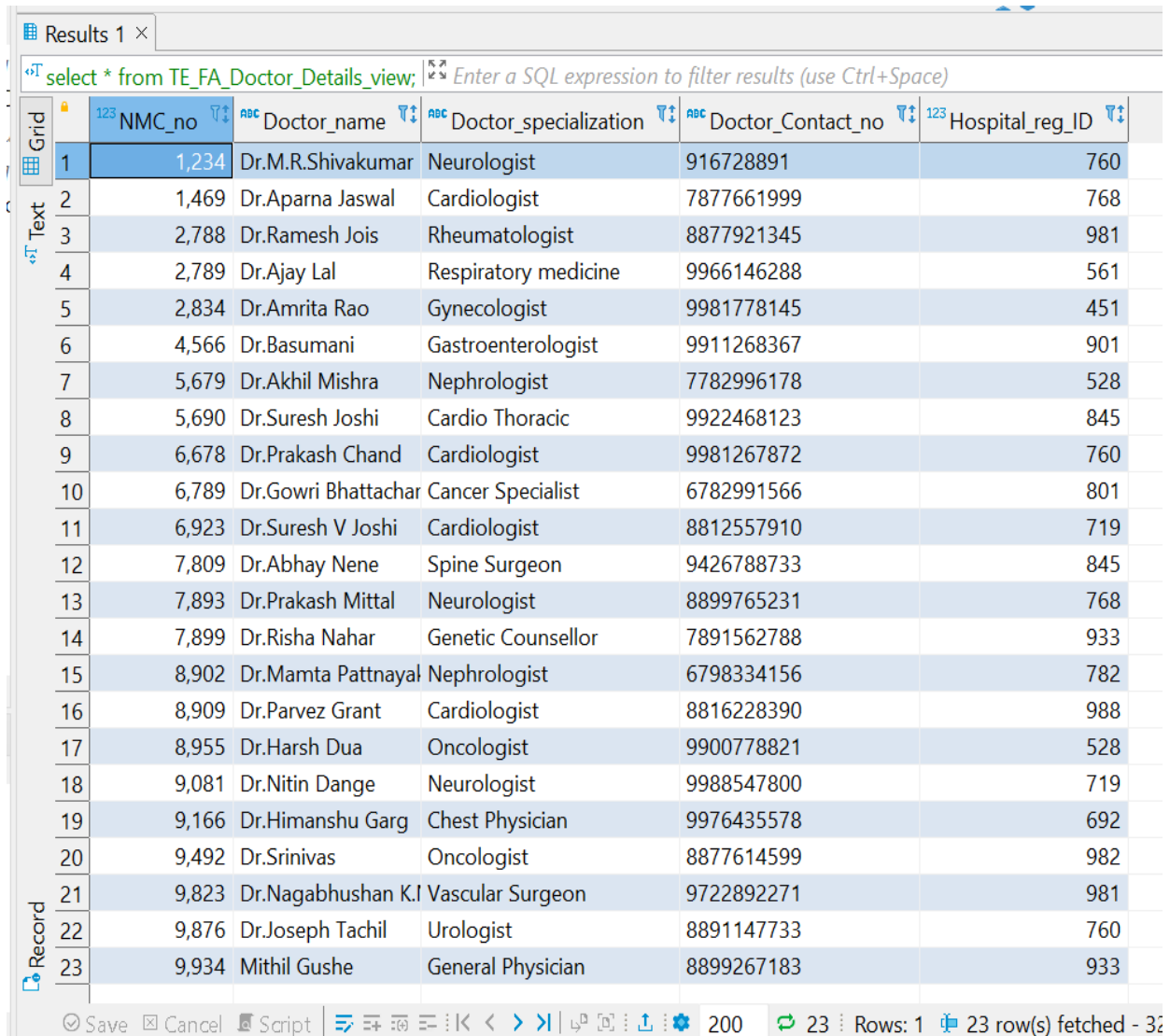
	Hospital_name	Doctor_specialization
14	Manipal Hospital	Genetic Counsellor
15	Manipal Hospital	Nephrologist
16	Manipal Hospital	Cardiologist
17	Manipal Hospital	Oncologist
18	Manipal Hospital	Neurologist
19	Manipal Hospital	Chest Physician
20	Manipal Hospital	Oncologist
21	Manipal Hospital	Vascular Surgeon
22	Manipal Hospital	Urologist
23	Manipal Hospital	General Physician
24	Indraprastha Apollo Hospital	Neurologist
25	Indraprastha Apollo Hospital	Cardiologist
26	Indraprastha Apollo Hospital	Rheumatologist
27	Indraprastha Apollo Hospital	Respiratory medicine
28	Indraprastha Apollo Hospital	Gynecologist
29	Indraprastha Apollo Hospital	Gastroenterologist
30	Indraprastha Apollo Hospital	Nephrologist
31	Indraprastha Apollo Hospital	Cardio Thoracic
32	Indraprastha Apollo Hospital	Cardiologist
33	Indraprastha Apollo Hospital	Cancer Specialist
34	Indraprastha Apollo Hospital	Cardiologist
35	Indraprastha Apollo Hospital	Spine Surgeon
36	Indraprastha Apollo Hospital	Neurologist

3. Creating different Views:

Views are virtual form of a table. These are used to security purpose, if we have so much of data in our database and want to display some few data then we can use view for that particular table. View don't have physical storage.

1. View for Doctor Details Table

```
create view TE_FA_Doctor_Details_view as
select * from TE_FA_Doctor_Details;
select * from TE_FA_Doctor_Details_view;
```



Results 1 x

select * from TE_FA_Doctor_Details_view; Enter a SQL expression to filter results (use Ctrl+Space)

	123 NMC_no	ABC Doctor_name	ABC Doctor_specialization	ABC Doctor_Contact_no	123 Hospital_reg_ID
1	1,234	Dr.M.R.Shivakumar	Neurologist	916728891	760
2	1,469	Dr.Aparna Jaswal	Cardiologist	7877661999	768
3	2,788	Dr.Ramesh Jois	Rheumatologist	8877921345	981
4	2,789	Dr.Ajay Lal	Respiratory medicine	9966146288	561
5	2,834	Dr.Amrita Rao	Gynecologist	9981778145	451
6	4,566	Dr.Basumani	Gastroenterologist	9911268367	901
7	5,679	Dr.Akhil Mishra	Nephrologist	7782996178	528
8	5,690	Dr.Suresh Joshi	Cardio Thoracic	9922468123	845
9	6,678	Dr.Prakash Chand	Cardiologist	9981267872	760
10	6,789	Dr.Gowri Bhattachar	Cancer Specialist	6782991566	801
11	6,923	Dr.Suresh V Joshi	Cardiologist	8812557910	719
12	7,809	Dr.Abhay Nene	Spine Surgeon	9426788733	845
13	7,893	Dr.Prakash Mittal	Neurologist	8899765231	768
14	7,899	Dr.Risha Nahar	Genetic Counsellor	7891562788	933
15	8,902	Dr.Mamta Pattnayal	Nephrologist	6798334156	782
16	8,909	Dr.Parvez Grant	Cardiologist	8816228390	988
17	8,955	Dr.Harsh Dua	Oncologist	9900778821	528
18	9,081	Dr.Nitin Dange	Neurologist	9988547800	719
19	9,166	Dr.Himanshu Garg	Chest Physician	9976435578	692
20	9,492	Dr.Srinivas	Oncologist	8877614599	982
21	9,823	Dr.Nagabhushan K.I	Vascular Surgeon	9722892271	981
22	9,876	Dr.Joseph Tachil	Urologist	8891147733	760
23	9,934	Mithil Gushe	General Physician	8899267183	933

Save Cancel Script 200 23 Rows: 1 23 row(s) fetched - 32

2. View for Hospital Details Table

```
create view TE_FA_Hospital_Details_view as
select * from TE_FA_Hospital_Details;
select * from TE_FA_Hospital_Details_view;
```

Results 1 x

select * from TE_FA_Hospital_Details_view;

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

Grid	123	123	asc	asc	asc	asc	asc	asc
	SL_no	Hospital_reg_ID	Hospital_name	State	Hospital_city	Hospital_area	Contact_no	
1	6	451	Manipal Hospital	Karnataka	Bengaluru	HAL Airport Road	18001024647	
2	3	528	Indraprastha Apollo Hospital	Delhi	New Delhi	Sarita Vihar	18605001066	
3	8	561	Columbia Asia Referral Hospit	Karnataka	Bengaluru	Malleswaram West	8061656262	
4	9	692	Artemis Hospital	Haryana	Gurgaon		01244511111	
5	5	719	Nanavati Super Speciality Hos	Maharashtr	Mumbai	Vile Parle(West)	09156514776	
6	1	760	Apollo Hospital	Tamilnadu	Chennai	Greams Lane	04428293333	
7	2	768	Fortis Escorts Heart Institute	Delhi	New Delhi	Okhla road	07669584409	
8	10	782	Fortis Memorial Research Insti	Haryana	Gurgaon		01244962200	
9	13	801	Fortis Hospital Anandpur	Kolkata	Anandapur		03366284444	
10	11	845	Wockhardt Hospital	Maharashtr	Mumbai	Anand Nair Road	08108101104	
11	12	901	Fortis Malar Hospital	Tamilnadu	Adyar	Gandhi nagar	09962599933	
12	15	933	Maxcure Hospitals	Telangana	Hyderabad	Hitech City	4049404940	
13	4	981	Fortis Hospital	Karnataka	Bengaluru	Bannerghatta road	09663367253	
14	7	982	Max Super Speciality Hospital	Delhi	Saket	Mandir Marg	08182269400	
15	14	988	Ruby Hall Clinic	Maharashtr	Pune	Sassoon Road	02066455100	

3. View for Patient Details Table

```
create view TE_FA_Patient_Details_view as
select * from TE_FA_Patient_Details;
select * from TE_FA_Patient_Details_view;
```

Results 1 x

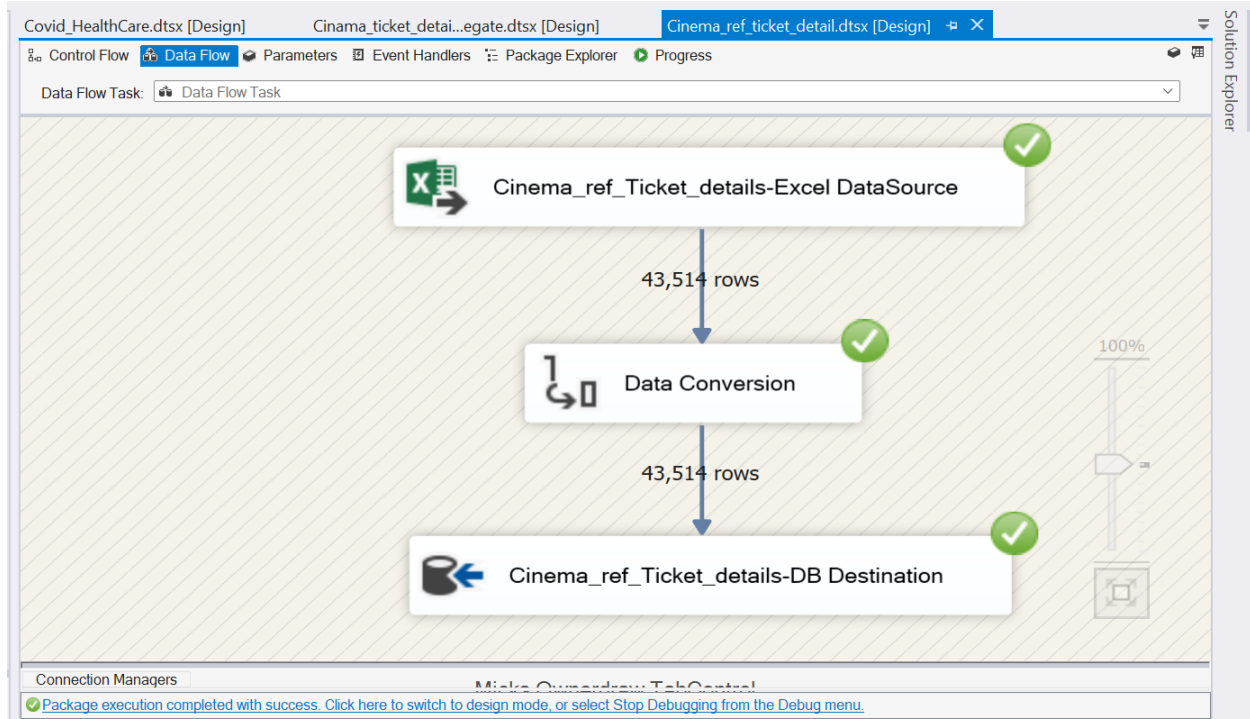
select * from TE_FA_Patient_Details_view; Enter a SQL expression to filter results (use Ctrl+Space)

Grid	123	asc	123	asc	asc	asc	123
	Patient_reg_no	Patient_name	Patient_age	Disease	Test_Advised	Prescribed_medicine	NMC_Doctor_ID
1	101	Raju	34	Nerve Damage	MRI	Duloxetine	1,234
2	102	Sham	30	Memory Loss	MRI	Galantamine	1,234
3	103	Ram	47	Kidney infection	CT	cefalexin	9,876
4	104	Lakshmi	66	UTI	CT	ciprofloxacin	9,876
5	105	Mala	25	Heart attack	ECG	Captopril	6,678
6	106	Kapil	56	Chest Pain	Holter Monitoring	Lisinopril	6,678
7	107	Guru	34	Heart Stroke	ECG	Captopril	1,469
8	108	John	67	Nerve Disorder	CT scan	Duloxetine	7,893
9	109	Dev	78	Nerve pain	MRI	Duloxetine	7,893
10	109	Virat	48	Diabetes	Regular A1C test	Afinitor,Auryxia	5,679
11	110	Merry	58	High blood pressure	Echocardiogram	perindopril	5,679
12	111	Megha	45	cancer	PET	altretamine	8,955
13	112	Ram	37	Generalized weakness	anticholinergics	Hydroxychloroquine	2,788
14	113	Josh	81	Swelling in joint	CT	Methotrexate	2,788
15	114	Reshma	26	peripheral artery disease	MRI	Captopril	9,823
16	115	Uma	36	artery disease	MRI	Captopril	9,823
17	116	Krish	56	Nerve Disorder	CT scan	Duloxetine	9,081
18	117	Kham	30	Memory Loss	MRI	Galantamine	9,081
19	118	Shamala	65	Heart attack	ECG	Captopril	6,923
20	119	Kantraj	56	Chest Pain	Holter Monitoring	Lisinopril	6,923
21	120	Sheema	29	endometriosis	naproxen	CA125 Test	2,834
22	121	Sita	56	cancer	PET	altretamine	9,492
23	122	Pranav	66	cancer	PET	altretamine	9,492

Save Cancel Script 200 42 Rows: 1 42 row(s) fetched - 630ms, on 2022-10-10 at 12:13:2

4. Performing DDL, DML Operations:

a. Cinema reference Ticket Details Data Source



-----creating table

```
create table TE_FA_Cinema_ticket_details
(
  Film_Type varchar(20),
  film_code int,
  cinema_code int,
  total_sales bigint,
  tickets_sold int,
  tickets_out int,
  show_time date,
  occu_perc float,
  ticket_price float,
  ticket_use int,
  capacity int,
  datee date,
  monthh int,
  quarterr int,
  dayy int
);
select * from TE_FA_Cinema_ticket_details;
```

<dlithe> agg...

<dlithe> de...

<dlithe> in...

<dlithe> Wh...

<none> stri...

<dlithe> destn

<dlithe> if ...

<dlithe> Ex...

<dlithe> SSIS

<anjali> F...

...

Results 1 x

select * from TE_FA_Cinema_ticket_details; Enter a SQL expression to filter results (use Ctrl+Space)

Grid

Text

Record

	id	Film_Type	film_code	cinema_code	total_sales	tickets_sold	tickets_out	show_time	occu_perc	ticket_price	ticket_use	capacity	date
1	Romance	1,492	304	3,900,000	26	0	1900-01-03	4.26	150,000	26	610	2018-01-03	
2	Romance	1,492	352	3,360,000	42	0	1900-01-04	8.08	80,000	42	520	2018-01-04	
3	Romance	1,492	489	2,560,000	32	0	1900-01-03	20	80,000	32	160	2018-01-03	
4	Romance	1,492	429	1,200,000	12	0	1899-12-31	11.01	100,000	12	109	2018-01-01	
5	Romance	1,492	524	1,200,000	15	0	1900-01-02	16.67	80,000	15	90	2018-01-02	
6	Romance	1,492	71	1,050,000	7	0	1900-01-02	0.98	150,000	7	714	2018-01-02	
7	Romance	1,492	163	1,020,000	10	0	1900-01-02	7.69	102,000	10	130	2018-01-02	
8	Romance	1,492	450	750,000	5	0	1900-01-02	1.57	150,000	5	318	2018-01-02	
9	Romance	1,492	51	750,000	11	0	1900-01-01	0.95	68,181,818.18	11	1,158	2018-01-01	
10	Romance	1,492	522	600,000	4	0	1900-01-02	1.55	150,000	4	258	2018-01-02	
11	Romance	1,492	43	480,000	6	0	1900-01-02	0.44	80,000	6	1,364	2018-01-02	
12	Romance	1,492	529	480,000	4	0	1900-01-02	2.96	120,000	4	135	2018-01-02	
13	Romance	1,492	82	400,000	5	0	1900-01-05	0.53	80,000	5	943	2018-01-05	
14	Romance	1,492	344	300,000	2	0	1900-01-02	0.25	150,000	2	800	2018-01-02	
15	Romance	1,492	73	240,000	2	0	1899-12-31	2.04	120,000	2	98	2018-01-01	
16	Romance	1,492	304	16,500,000	112	0	1900-01-03	18.33	147,321,428.6	112	611	2018-01-03	
17	Romance	1,492	352	13,950,000	93	0	1900-01-04	10.57	150,000	93	880	2018-01-04	
18	Romance	1,492	344	10,200,000	68	0	1900-01-02	8.54	150,000	68	796	2018-01-02	
19	Romance	1,492	71	6,600,000	44	0	1900-01-02	6.14	150,000	44	717	2018-01-02	
20	Romance	1,492	163	3,360,000	31	0	1900-01-02	24.8	108,387,096.8	31	125	2018-01-02	
21	Romance	1,492	522	3,000,000	20	0	1900-01-02	7.75	150,000	20	258	2018-01-02	
22	Romance	1,492	485	2,400,000	16	0	1900-01-02	11.59	150,000	16	138	2018-01-02	
23	Romance	1,492	524	1,800,000	12	0	1900-01-02	13.33	150,000	12	90	2018-01-02	

-----inserting

```
insert into TE_FA_Cinema_ticket_details
values ('Horror',1456,289,67891000,898,0,'2022-01-31',78.12,1267999,999,999,'2022-12-31',8,7,23);
drop table TE_FA_Cinema_ticket_details;
insert into TE_FA_Cinema_ticket_details values ('Horror',1456,289,67891000,898,0,'2022-01-31',78.12,1267999,999,999,'2022-12-31',8,7,23);
```

results 1 x

select * from TE_FA_Cinema_ticket_details; Enter a SQL expression to filter results (use Ctrl+Space)

	106 Film_Type	125 film_code	125 cinema_code	123 total_sales	123 tickets_sold	123 tickets_out	show_time	123 occu_perc	123 ticket_price	123 ticket_use	123 capacity
2991	Thriller	1,486	262	1,400,000	14	0	1900-01-02	2.94	100,000	14	4
2992	Thriller	1,486	504	1,350,000	25	0	1900-01-07	1.56	54,000	25	1,600
2993	Thriller	1,486	528	1,320,000	11	0	1900-01-02	7.8	120,000	11	1
2994	Thriller	1,486	414	1,260,000	18	0	1900-01-01	6.25	70,000	18	2
2995	Thriller	1,486	50	1,200,000	10	0	1900-01-02	3.4	120,000	10	2
2996	Thriller	1,486	484	1,150,000	23	0	1900-01-01	7.67	50,000	23	3
2997	Thriller	1,486	61	1,120,000	14	2	1900-01-05	2.33	80,000	12	6
2998	Thriller	1,486	464	1,040,000	13	0	1899-12-31	3.66	80,000	13	3
2999	Thriller	1,486	181	1,000,000	10	0	1900-01-03	1.46	100,000	10	6
3000	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]
3001	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]
3002	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]
3003	Horror	1,456	289	67,891,000	898	0	2022-01-31	78.12	1,267,999	999	999

-----adding column

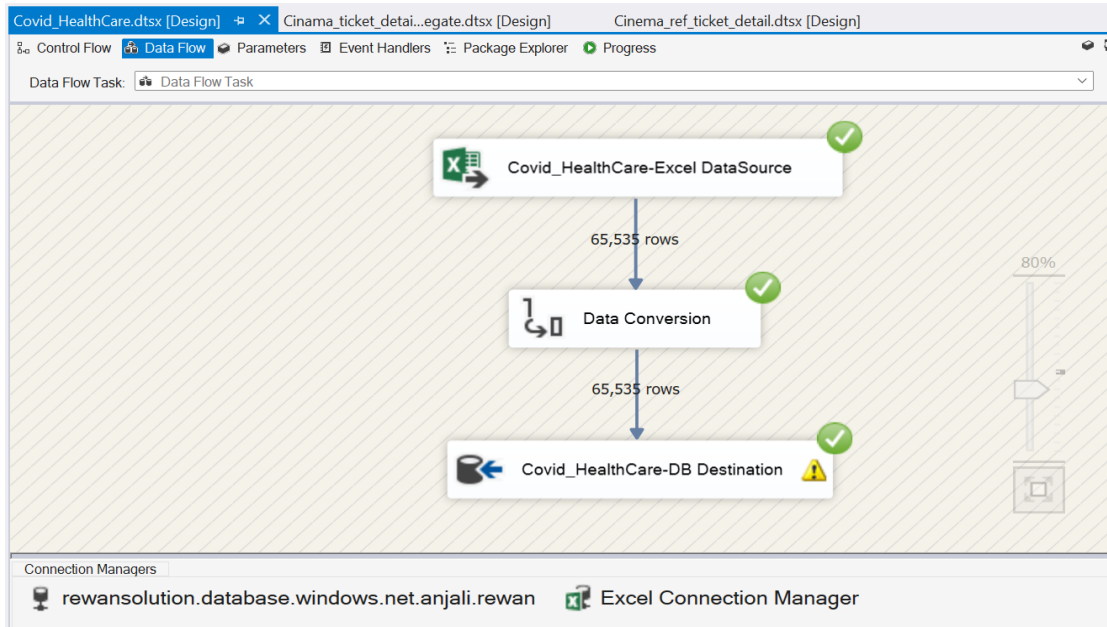
```
alter table TE_FA_Cinema_ticket_details
add ratings_outOf_5 float;
```

Results 1 x

select * from TE_FA_Cinema_ticket_details; Enter a SQL expression to filter results (use Ctrl+Space)

	id	tickets_out	show_time	occu_perc	ticket_price	ticket_use	capacity	date	month	quarter	day	ratings_outOf_5
1	26	0	1900-01-03	4.26	150,000	26	610	2018-05-05	5	2	5	[NULL]
2	42	0	1900-01-04	8.08	80,000	42	520	2018-05-05	5	2	5	[NULL]
3	32	0	1900-01-03	20	80,000	32	160	2018-05-05	5	2	5	[NULL]
4	12	0	1899-12-31	11.01	100,000	12	109	2018-05-05	5	2	5	[NULL]
5	15	0	1900-01-02	16.67	80,000	15	90	2018-05-05	5	2	5	[NULL]
6	7	0	1900-01-02	0.98	150,000	7	714	2018-05-05	5	2	5	[NULL]
7	10	0	1900-01-02	7.69	102,000	10	130	2018-05-05	5	2	5	[NULL]
8	5	0	1900-01-02	1.57	150,000	5	318	2018-05-05	5	2	5	[NULL]
9	11	0	1900-01-01	0.95	68,181,818.18	11	1,158	2018-05-05	5	2	5	[NULL]
10	4	0	1900-01-02	1.55	150,000	4	258	2018-05-05	5	2	5	[NULL]
11	6	0	1900-01-02	0.44	80,000	6	1,364	2018-05-05	5	2	5	[NULL]
12	4	0	1900-01-02	2.96	120,000	4	135	2018-05-05	5	2	5	[NULL]
13	5	0	1900-01-05	0.53	80,000	5	943	2018-05-05	5	2	5	[NULL]
14	2	0	1900-01-02	0.25	150,000	2	800	2018-05-05	5	2	5	[NULL]
15	2	0	1899-12-31	2.04	120,000	2	98	2018-05-05	5	2	5	[NULL]
16	112	0	1900-01-03	18.33	147,321,428.6	112	611	2018-05-05	5	2	5	[NULL]

b. Inpatient provider Covid HealthCare Details Data Source



```
create table TE_FA_Covid_HealthCare
(
    DRG_ID int,
    DRG_Definition varchar(100),
    Provider_Id int,
    Provider_Name varchar(100),
    Provider_Street_Address varchar(100),
    Provider_City varchar(100),
    Provider_State varchar(100),
    Provider_Zip_Code int,
    Hospital_Referral_Region varchar(100),
    Total_Discharges int,
    Average_Covered_Charges float,
    Average_Total_Payments float,
    Average_Medicare_Payments float
);
select * from TE_FA_Covid_HealthCare;
```

-----Inserting Data:

```
insert into TE_FA_Covid_HealthCare values(50,' EXTRACRANIAL PROCEDURES W/O
CC/MCC',9999,'BANNER HEART HOSPITAL','5777 EAST MAYO BOULEVARD',
'TUCSON','AB',7890,'AZ - Phoenix',52,892345,18925637,5672819);
```

```

insert into TE_FA_Covid_HealthCare values(50,' EXTRACRANIAL PROCEDURES W/O CC/MCC',9999,'BANNER HEART HOSPITAL','5777 EAST MAYO BOULEVARD',
'TUCSON','AB',7890,'AZ - Phoenix',52,892345,18925637,5672819);

```

Results 1 x

select * from TE_FA_Covid_HealthCare; Enter a SQL expression to filter results (use Ctrl+Space)

ID	DRG_Definition	Provid	Provider_Name	Provider_Street_Address	Provider_City	Prov	Hospita
2987	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,009	JOHNS HOPKINS HOSPITAL, THE	600 NORTH WOLFE STREET	BALTIMORE	MD	21,287 MD - Balti
2988	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,011	SAINT AGNES HOSPITAL	WILKENS & CATON AVENUES	BALTIMORE	MD	21,229 MD - Balti
2989	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,012	SINAI HOSPITAL OF BALTIMORE	2401 WEST BELVEDERE AVE	BALTIMORE	MD	21,215 MD - Balti
2990	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,015	FRANKLIN SQUARE HOSPITAL CENTER	9000 FRANKLIN SQUARE DR	BALTIMORE	MD	21,237 MD - Balti
2991	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,016	WASHINGTON ADVENTIST HOSPITAL	7600 CARROLL AVE	TAKOMA PARK	MD	20,912 MD - Tako
2992	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,018	MONTGOMERY GENERAL HOSPITAL INC	18101 PRINCE PHILIP DRIVE	OLNEY	MD	20,832 MD - Tako
2993	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,019	PENINSULA REGIONAL MEDICAL CENTER	100 E CARROLL AVE	SALISBURY	MD	21,801 MD - Salis
2994	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,022	SUBURBAN HOSPITAL	8600 OLD GEORGETOWN RD	BETHESDA	MD	20,814 DC - Wash
2995	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,023	ANNE ARUNDEL MEDICAL CENTER	2001 MEDICAL PARKWAY	ANNAPOLIS	MD	21,401 DC - Wash
2996	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,024	UNION MEMORIAL HOSPITAL	201 E UNIVERSITY PKY	BALTIMORE	MD	21,218 MD - Balti
2997	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,027	WESTERN MARYLAND REGIONAL MEDICAL CENT	12500 WILLOWBROOK ROAD	CUMBERLAND	MD	21,502 DC - Wash
2998	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,028	SAINT MARY'S HOSPITAL	PO BOX 527	LEONARDTOWN	MD	20,650 DC - Wash
2999	INTRACRANIAL HEMORRHAGE OR CEREBRAL	210,029	JOHNS HOPKINS BAYVIEW MEDICAL CENTER	4940 EASTERN AVENUE	BALTIMORE	MD	21,224 MD - Balti
3000	EXTRACRANIAL PROCEDURES W/O CC/MCC	9,999	BANNER HEART HOSPITAL	5777 EAST MAYO BOULEVARD	TUCSON	AB	7,890 AZ - Phoe
3001	EXTRACRANIAL PROCEDURES W/O CC/MCC	9,999	BANNER HEART HOSPITAL	5777 EAST MAYO BOULEVARD	TUCSON	AB	7,890 AZ - Phoe

-----Adding column

```

alter table TE_FA_Covid_HealthCare
add Country varchar(20);

```

```

alter table TE_FA_Covid_HealthCare
add Country varchar(20);

```

Results 1 x

select * from TE_FA_Covid_HealthCare; Enter a SQL expression to filter results (use Ctrl+Space)

Provider_Zip_Code	Hospital_Referral_Region	Total_Discharges	Average_Covered_Charges	Average_Total_Payments	Average_Medicare_Payments	Country
36,301 AL - Dothan		91	32,963.07692	5,777.241758	4,763.736264	[NULL]
35,957 AL - Birmingham		14	15,131.85714	5,787.571429	4,976.714286	[NULL]
35,631 AL - Birmingham		24	37,560.375	5,434.958333	4,453.791667	[NULL]
35,235 AL - Birmingham		25	13,998.28	5,417.56	4,129.16	[NULL]
35,007 AL - Birmingham		18	31,633.27778	5,658.333333	4,851.444444	[NULL]
36,116 AL - Montgomery		67	16,920.79104	6,653.80597	5,374.149254	[NULL]
36,801 AL - Birmingham		51	11,977.13725	5,824.74508	4,761.411765	[NULL]

-----Updating

```

update TE_FA_Covid_HealthCare

```

```

set provider_name='EAST ALABAMA MEDICAL CENTER AND SNF' where provider_id=10001;

```

```

update TE_FA_Covid_HealthCare
set provider_name='EAST ALABAMA MEDICAL CENTER AND SNF' where provider_id=10001;

```

Results 1 x

select * from TE_FA_Covid_HealthCare; Enter a SQL expression to filter results (use Ctrl+Space)

DRG_ID	DRG_Definition	Provider_Id	Provider_Name	Provider_Street_Address	Provider_City	Provider_State
39	EXTRACRANIAL PROCEDURES W/O CC/MCC	10,001	EAST ALABAMA MEDICAL CENTER AND SNF	1108 ROSS CLARK CIRCLE	DOTHAN	AL
39	EXTRACRANIAL PROCEDURES W/O CC/MCC	10,005	MARSHALL MEDICAL CENTER SOUTH	2505 U S HIGHWAY 431 NORTH	BOAZ	AL
39	EXTRACRANIAL PROCEDURES W/O CC/MCC	10,006	ELIZA COFFEE MEMORIAL HOSPITAL	205 MARENGO STREET	FLORENCE	AL
39	EXTRACRANIAL PROCEDURES W/O CC/MCC	10,011	ST VINCENT'S EAST	50 MEDICAL PARK EAST DRIVE	BIRMINGHAM	AL
39	EXTRACRANIAL PROCEDURES W/O CC/MCC	10,016	SHELBY BAPTIST MEDICAL CENTER	1000 FIRST STREET NORTH	ALABASTER	AL
39	EXTRACRANIAL PROCEDURES W/O CC/MCC	10,023	BAPTIST MEDICAL CENTER SOUTH	2105 EAST SOUTH BOULEVARD	MONTGOMERY	AL
39	EXTRACRANIAL PROCEDURES W/O CC/MCC	10,029	EAST ALABAMA MEDICAL CENTER AND SNF	2000 PEPPERELL PARKWAY	OPELIKA	AL
39	EXTRACRANIAL PROCEDURES W/O CC/MCC	10,033	UNIVERSITY OF ALABAMA HOSPITAL	619 SOUTH 10TH STREET	BIRMINGHAM	AL

```
----Altering Column:
```

```
alter table TE_FA_Covid_HealthCare
alter column country varchar(100);
```

-----Deleting column:

```
alter table TE_FA_Covid_HealthCare
drop column country;
```

```
alter table TE_FA_Covid_HealthCare
drop column country;
```

Results 1 x

select * from TE_FA_Covid_HealthCare;

	Provider_State	Provider_Zip_Code	Hospital_Referral_Region	Total_Discharges	Average_Covered_Charges	Average_Total_Payments	Average_Medicare_Payments
1		36,301	AL - Dothan	91	32,963.07692	5,777.241758	4,763.736264
2		35,957	AL - Birmingham	14	15,131.85714	5,787.571429	4,976.714286
3		35,631	AL - Birmingham	24	37,560.375	5,434.958333	4,453.791667
4		35,235	AL - Birmingham	25	13,998.28	5,417.56	4,129.16
5		35,007	AL - Birmingham	18	31,633.27778	5,658.333333	4,851.444444
6		36,116	AL - Montgomery	67	16,920.79104	6,653.80597	5,374.149254
7		36,801	AL - Birmingham	51	11,977.13725	5,834.745098	4,761.411765
8		35,233	AL - Birmingham	32	35,841.00375	8,031.125	5,858.5

```
alter table TE_FA_Covid_HealthCare
add constraint pk primary key( Provider_Id);
```

-----truncate

```
truncate table TE_FA_Covid_HealthCare;
```

`truncate table TE_FA_Covid_HealthCare;`

Results 1 x

Select * from TE_FA_Covid_HealthCare; Enter a SQL expression to filter results (use Ctrl+Space)

DRG_ID	DRG_Definition	Provider_Id	Provider_Name	Provider_Street_Address	Provider_City	Provider_State	Provider_Zip_Code	Hospital_Referral_Regio
--------	----------------	-------------	---------------	-------------------------	---------------	----------------	-------------------	-------------------------