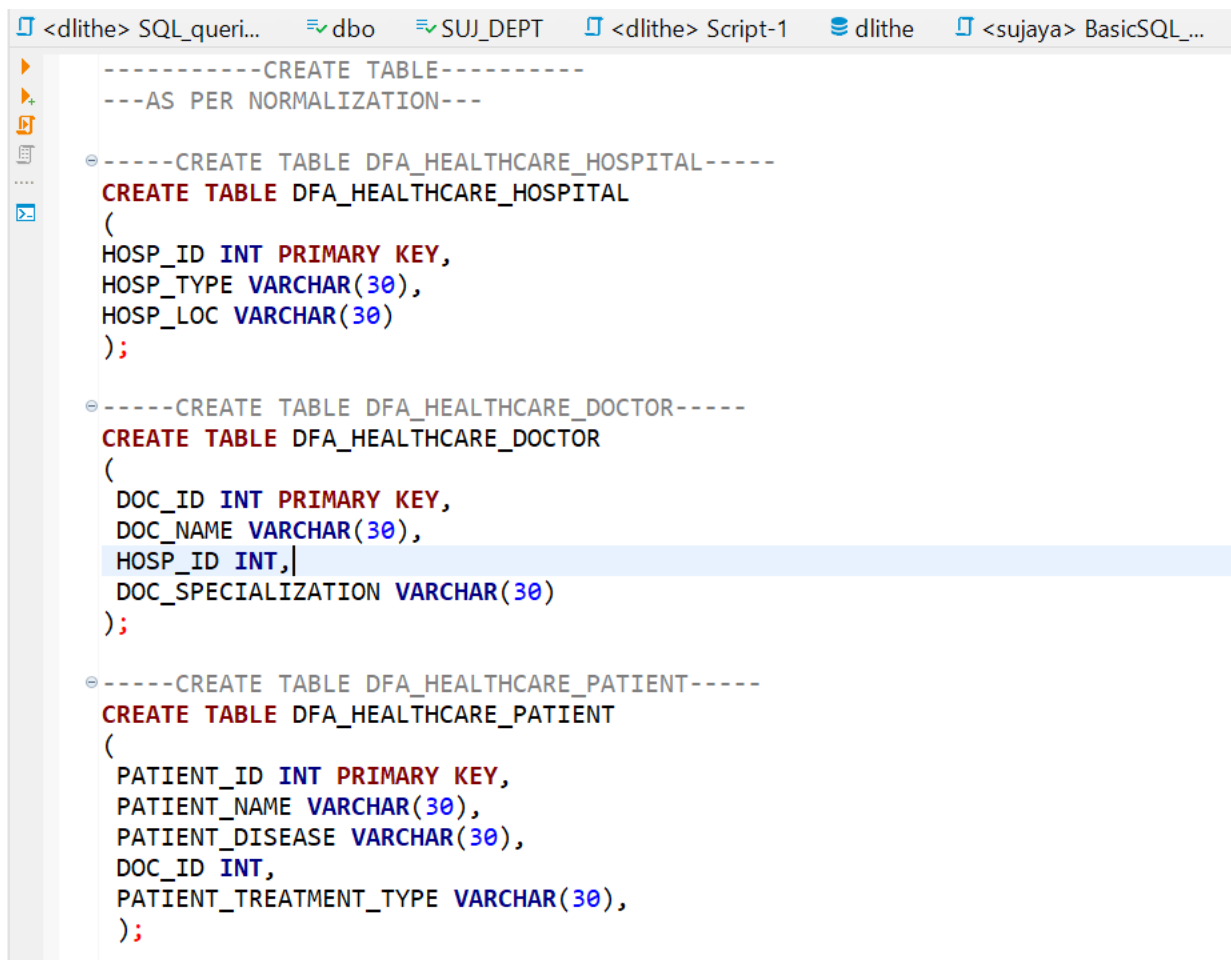


Module-1 SQL Server

1. Create the table as per normalization and Insert the Data.

Created 3 tables. They are:

- **DFA_HEALTHCARE_HOSPITAL**
- **DFA_HEALTHCARE_DOCTOR**
- **DFA_HEALTHCARE_PATIENT**



```
-----CREATE TABLE-----  
---AS PER NORMALIZATION---  
  
-----CREATE TABLE DFA_HEALTHCARE_HOSPITAL-----  
CREATE TABLE DFA_HEALTHCARE_HOSPITAL  
(  
  HOSP_ID INT PRIMARY KEY,  
  HOSP_TYPE VARCHAR(30),  
  HOSP_LOC VARCHAR(30)  
);  
  
-----CREATE TABLE DFA_HEALTHCARE_DOCTOR-----  
CREATE TABLE DFA_HEALTHCARE_DOCTOR  
(  
  DOC_ID INT PRIMARY KEY,  
  DOC_NAME VARCHAR(30),  
  HOSP_ID INT,  
  DOC_SPECIALIZATION VARCHAR(30)  
);  
  
-----CREATE TABLE DFA_HEALTHCARE_PATIENT-----  
CREATE TABLE DFA_HEALTHCARE_PATIENT  
(  
  PATIENT_ID INT PRIMARY KEY,  
  PATIENT_NAME VARCHAR(30),  
  PATIENT_DISEASE VARCHAR(30),  
  DOC_ID INT,  
  PATIENT_TREATMENT_TYPE VARCHAR(30),  
);
```

Adding Foreign Key Constraints to table Doctor and Patient.

```
▼ Commit Rollback 🔒 Auto ⌚ sujaya ▼ dbo@sujaya ▼ 🔍
<dltihe> SQL_queri... dbo SUJ_DEPT <dltihe> Script-1 dltihe <sujaya> BasicSQL_...

-----ADDING FOREIGN KEY CONSRAINTS TO DFA_HEALTHCARE_DOCTOR-----
ALTER TABLE DFA_HEALTHCARE_DOCTOR
ADD CONSTRAINT FK_HOSP_ID
FOREIGN KEY(HOSP_ID) REFERENCES DFA_HEALTHCARE_HOSPITAL;

-----ADDING FOREIGN KEY CONSRAINTS TO DFA_HEALTHCARE_PATIENT-----
ALTER TABLE DFA_HEALTHCARE_PATIENT
ADD CONSTRAINT FK_DOC_ID
FOREIGN KEY(DOC_ID) REFERENCES DFA_HEALTHCARE_DOCTOR;
```

1b).Inserting the values to three tables.

```
<dltihe> SQL_queri... dbo SUJ_DEPT <dltihe> Script-1 dltihe <sujaya> BasicSQL_...

-----INSERT VALUES TO TABLE DFA_HEALTHCARE_HOSPITAL-----
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(1,'COMMUNITY','UDUPI');
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(2,'COMMUNITY','KOTA');
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(3,'CHILDRENS','MANGALORE');
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(4,'CHILDRENS','UDUPI');
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(5,'CANCER','MANIPAL');
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(6,'AYURVEDA','KUNDAPURA');
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(7,'HOMEOPATHY','NEELAVARA');
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(8,'ORTHO','SURATHKAL');
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(9,'NATUROPATHY','BRAHMAVARA');
INSERT INTO DFA_HEALTHCARE_HOSPITAL VALUES(10,'SURGICAL','KARKALA');

SELECT * FROM DFA_HEALTHCARE_HOSPITAL;

-----INSERT VALUES TO TABLE DFA_HEALTHCARE_DOCTOR-----
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(101,'RAMARAO',1,'GENERIC');
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(102,'SUSHMA',2,'GENERIC');
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(103,'CHAYA',3,'PEDIATRICIAN');
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(104,'KASTURI',10,'SURGEON');
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(105,'KRISHNAPPA',10,'CARDIOLOGIST');
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(106,'CHANDRASHEKAR',5,'RADIOLOGIST');
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(107,'MEENAKSHI',5,'ONCOLOGIST');
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(108,'SIRAJ',5,'NEUROLOGIST');
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(109,'JAGADISH',9,'PHYSIOTHERAPY');
INSERT INTO DFA_HEALTHCARE_DOCTOR VALUES(110,'CHAITHANYA',10,'ANESTHESIA');

SELECT * FROM DFA_HEALTHCARE_DOCTOR;

-----INSERT VALUES TO TABLE DFA_HEALTHCARE_PATIENT-----
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(10,'SINA','FEVER',101,'MEDICINE');
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(20,'RAGA','FEVER',101,'MEDICINE');
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(30,'ARVAN','HEADACHE',102,'MEDICINE');
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(40,'NIRMA','STOMACHPAIN',102,'MEDICINE');
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(50,'LISA','LEG_FRACTURE',109,'BANDAGE');
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(60,'MEENA','DIPRESSION',109,'YOGA');
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(70,'MOOSHIK','LUNG_CANCER',107,'SURGERY');
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(80,'AKASH','DENGUE',102,'MEDICINE');
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(90,'SICHA','CARDIOVASCULAR',110,'SURGERY');
INSERT INTO DFA_HEALTHCARE_PATIENT VALUES(100,'NISHA','CANCER',105,'SURGERY');
```

1c).Perform Joins

Inner Join

SQL Query Editor showing an INNER JOIN query:

```
----- JOINS -----  
----- INNER JOIN -----  
SELECT D.DOC_NAME,D.DOC_SPECIALIZATION,P.PATIENT_ID,P.PATIENT_NAME,P.PATIENT_DISEASE,P.PATIENT_TREATMENT_TYPE  
FROM DFA_HEALTHCARE_DOCTOR AS D  
INNER JOIN DFA_HEALTHCARE_PATIENT AS P  
ON D.DOC_ID=P.DOC_ID;
```

Results 1 x

SELECT D.DOC_NAME,D.DOC_SPECIALIZATION,P.PATIENT_ID,P.PATIENT_NAME,P.PATIENT_DISEASE,P.PATIENT_TREATMENT_TYPE

DOC_NAME	DOC_SPECIALIZATION	PATIENT_ID	PATIENT_NAME	PATIENT_DISEASE	PATIENT_TREATMENT_TYPE
1 RAMARAO	GENERIC	10	SINA	FEVER	MEDICINE
2 RAMARAO	GENERIC	20	RAGA	FEVER	MEDICINE
3 SUSHMA	GENERIC	30	ARVAN	HEADACHE	MEDICINE
4 SUSHMA	GENERIC	40	NIRMA	STOMACHPAIN	MEDICINE
5 JAGADISH	PHYSIOTHERAPY	60	MEENA	DIPRESSION	YOGA
6 MEENAKSHI	ONCOLOGIST	70	MOOSHIK	LUNG_CANCER	SURGERY
7 SUSHMA	GENERIC	80	AKASH	DENGUE	MEDICINE
8 CHAITHANYA	ANESTHESIA	90	SICHA	CARDIOVASCULAR	SURGERY
9 KRISHNAPPA	CARDIOLOGIST	100	NISHA	CANCER	SURGERY

Save Cancel Script 200 9 Rows: 1 9 row(s) fetched - 332ms, on 2022-10-09 at 19:22:53

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Left Join

SQL Query Editor showing a LEFT JOIN query:

```
----- LEFT JOIN -----  
SELECT D.DOC_NAME,D.DOC_SPECIALIZATION,P.PATIENT_ID,P.PATIENT_NAME,P.PATIENT_DISEASE,P.PATIENT_TREATMENT_TYPE  
FROM DFA_HEALTHCARE_DOCTOR AS D  
LEFT JOIN DFA_HEALTHCARE_PATIENT AS P  
ON D.DOC_ID=P.DOC_ID;
```

Results 1 x

SELECT D.DOC_NAME,D.DOC_SPECIALIZATION,P.PATIENT_ID,P.PATIENT_NAME,P.PATIENT_DISEASE,P.PATIENT_TREATMENT_TYPE

DOC_NAME	DOC_SPECIALIZATION	PATIENT_ID	PATIENT_NAME	PATIENT_DISEASE	PATIENT_TREATMENT_TYPE
1 RAMARAO	GENERIC	10	SINA	FEVER	MEDICINE
2 RAMARAO	GENERIC	20	RAGA	FEVER	MEDICINE
3 SUSHMA	GENERIC	30	ARVAN	HEADACHE	MEDICINE
4 SUSHMA	GENERIC	40	NIRMA	STOMACHPAIN	MEDICINE
5 SUSHMA	GENERIC	80	AKASH	DENGUE	MEDICINE
6 CHAYA	PEDIATRICIAN	[NULL]	[NULL]	[NULL]	[NULL]
7 KASTURI	SURGEON	[NULL]	[NULL]	[NULL]	[NULL]
8 KRISHNAPPA	CARDIOLOGIST	100	NISHA	CANCER	SURGERY
9 CHANDRASHEKAR	RADIOLOGIST	[NULL]	[NULL]	[NULL]	[NULL]
10 MEENAKSHI	ONCOLOGIST	70	MOOSHIK	LUNG_CANCER	SURGERY
11 SIRAJ	NEUROLOGIST	[NULL]	[NULL]	[NULL]	[NULL]
12 JAGADISH	PHYSIOTHERAPY	60	MEENA	DIPRESSION	YOGA
13 CHAITHANYA	ANESTHESIA	90	SICHA	CARDIOVASCULAR	SURGERY

Right Join

SQL Query:

```
-----RIGHT JOIN-----
SELECT D.DOC_NAME,D.DOC_SPECIALIZATION,P.PATIENT_ID,P.PATIENT_NAME,P.PATIENT_DISEASE,P.PATIENT_TREATMENT_TYPE
FROM DFA_HEALTHCARE_DOCTOR AS D
RIGHT JOIN DFA_HEALTHCARE_PATIENT AS P
ON D.DOC_ID=P.DOC_ID;
```

Results 1 x

SELECT D.DOC_NAME,D.DOC_SPECIALIZATION,P.PATIENT_ID,P.PATIENT_NAME,P.PATIENT_DISEASE,P.PATIENT_TREATMENT_TYPE

	DOC_NAME	DOC_SPECIALIZATION	PATIENT_ID	PATIENT_NAME	PATIENT_DISEASE	PATIENT_TREATMENT_TYPE
1	RAMARAO	GENERIC	10	SINA	FEVER	MEDICINE
2	RAMARAO	GENERIC	20	RAGA	FEVER	MEDICINE
3	SUSHMA	GENERIC	30	ARVAN	HEADACHE	MEDICINE
4	SUSHMA	GENERIC	40	NIRMA	STOMACHPAIN	MEDICINE
5	JAGADISH	PHYSIOTHERAPY	60	MEENA	DIPRESSION	YOGA
6	MEENAKSHI	ONCOLOGIST	70	MOOSHIK	LUNG_CANCER	SURGERY
7	SUSHMA	GENERIC	80	AKASH	DENGUE	MEDICINE
8	CHAITHANYA	ANESTHESIA	90	SICHA	CARDIOVASCULAR	SURGERY
9	KRISHNAPPA	CARDIOLOGIST	100	NISHA	CANCER	SURGERY

Save Cancel Script 200 9 Rows: 1 9 row(s) fetched - 488ms, on 2022-10-09 at 19:26:28

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Full Join

SQL Query:

```
-----FULL OUTER JOIN-----
SELECT D.DOC_NAME,D.DOC_SPECIALIZATION,P.PATIENT_ID,P.PATIENT_NAME,P.PATIENT_DISEASE,P.PATIENT_TREATMENT_TYPE
FROM DFA_HEALTHCARE_DOCTOR AS D
FULL JOIN DFA_HEALTHCARE_PATIENT AS P
ON D.DOC_ID=P.DOC_ID;
```

Results 1 x

SELECT D.DOC_NAME,D.DOC_SPECIALIZATION,P.PATIENT_ID,P.PATIENT_NAME,P.PATIENT_DISEASE,P.PATIENT_TREATMENT_TYPE

	DOC_NAME	DOC_SPECIALIZATION	PATIENT_ID	PATIENT_NAME	PATIENT_DISEASE	PATIENT_TREATMENT_TYPE
1	RAMARAO	GENERIC	10	SINA	FEVER	MEDICINE
2	RAMARAO	GENERIC	20	RAGA	FEVER	MEDICINE
3	SUSHMA	GENERIC	30	ARVAN	HEADACHE	MEDICINE
4	SUSHMA	GENERIC	40	NIRMA	STOMACHPAIN	MEDICINE
5	SUSHMA	GENERIC	80	AKASH	DENGUE	MEDICINE
6	CHAYA	PEDIATRICIAN	[NULL]	[NULL]	[NULL]	[NULL]
7	KASTURI	SURGEON	[NULL]	[NULL]	[NULL]	[NULL]
8	KRISHNAPPA	CARDIOLOGIST	100	NISHA	CANCER	SURGERY
9	CHANDRASHEKAR	RADIOLOGIST	[NULL]	[NULL]	[NULL]	[NULL]
10	MEENAKSHI	ONCOLOGIST	70	MOOSHIK	LUNG_CANCER	SURGERY
11	SIRAJ	NEUROLOGIST	[NULL]	[NULL]	[NULL]	[NULL]
12	JAGADISH	PHYSIOTHERAPY	60	MEENA	DIPRESSION	YOGA
13	CHAITHANYA	ANESTHESIA	90	SICHA	CARDIOVASCULAR	SURGERY

1d).Views

The screenshot shows a SQL Server Enterprise Manager interface with a script window containing the following SQL code:

```
--VIEWS--  
CREATE VIEW V_HEALTHCARE  
AS  
SELECT D.DOC_NAME,D.DOC_SPECIALIZATION,P.PATIENT_ID,P.PATIENT_NAME,P.PATIENT_DISEASE,P.PATIENT_TREATMENT_TYPE  
FROM DFA_HEALTHCARE_DOCTOR AS D  
INNER JOIN DFA_HEALTHCARE_PATIENT AS P  
ON D.DOC_ID=P.DOC_ID;  
  
SELECT * FROM V_HEALTHCARE;
```

Below the script window, the results of the second query are displayed in a table with 7 columns: DOC_NAME, DOC_SPECIALIZATION, PATIENT_ID, PATIENT_NAME, PATIENT_DISEASE, and PATIENT_TREATMENT_TYPE. The table contains 9 rows of data.

DOC_NAME	DOC_SPECIALIZATION	PATIENT_ID	PATIENT_NAME	PATIENT_DISEASE	PATIENT_TREATMENT_TYPE
RAMARAO	GENERIC	10	SINA	FEVER	MEDICINE
RAMARAO	GENERIC	20	RAGA	FEVER	MEDICINE
SUSHMA	GENERIC	30	ARVAN	HEADACHE	MEDICINE
SUSHMA	GENERIC	40	NIRMA	STOMACHPAIN	MEDICINE
JAGADISH	PHYSIOTHERAPY	60	MEENA	DIPRESSION	YOGA
MEENAKSHI	ONCOLOGIST	70	MOOSHIK	LUNG_CANCER	SURGERY
SUSHMA	GENERIC	80	AKASH	DENGUE	MEDICINE
CHAITHANYA	ANESTHESIA	90	SICHA	CARDIOVASCULAR	SURGERY
KRISHNAPPA	CARDIOLOGIST	100	NISHA	CANCER	SURGERY

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

Created the table named **DFA_CINEMA_TICKET** and Inserted the values to the table.

Used the *CinemaTicket_Ref_Entertainment* Datasource.

The screenshot shows a SQL Server Enterprise Manager interface with a script window containing the following SQL code:

```
-----CREATING TABLE CINEME_TICKET IN DATABASE-----  
CREATE TABLE DFA_CINEMATICKET_DATA  
(  
    Film_Type VARCHAR(100),  
    film_code VARCHAR(100),  
    cinema_code VARCHAR(100),  
    total_sales VARCHAR(100),  
    tickets_sold VARCHAR(100),  
    tickets_out VARCHAR(100),  
    show_time VARCHAR(100),  
    occu_perc VARCHAR(100),  
    ticket_price VARCHAR(100),  
    ticket_use VARCHAR(100),  
    capacity VARCHAR(100),  
    t_date VARCHAR(100),  
    t_month VARCHAR(100),  
    t_quarter VARCHAR(100),  
    t_day VARCHAR(100),  
);  
  
-----INSERTING VALUES TO THE TABLE DFA_CINEMATICKET -----  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Fiction',1481,163,26160000,218,0,4,78.14,120000,218,279,43192,4,2,2);  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Fiction',1481,291,2460000,82,0,3,15.05,30000,82,545,43193,4,2,3);  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Action',1482,524,2490000,25,0,3,28.74,99600,25,87,43240,5,2,20);  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Science',1485,314,1400000,20,0,2,4.14,70000,20,483,43192,4,2,2);  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Family',1483,73,1980000,167,0,8,7.44,118562.8743,167,2245,43205,4,2,15);
```

Displaying the table values.

-----DISPLAYING THE INSERTED VALUES TO TABLE

```
SELECT * FROM DFA_CINEMATICKET_DATA;
```

Results 1 x

SELECT * FROM DFA_CINEMATICKET_DATA; Enter a SQL expression to filter results (use Ctrl+Space)

	Film_Type	film_code	cinema_code	total_sales	tickets_sold	tickets_out	show_time	occu_perc	ticket_price	ticket_use	capacity
1	Fiction	1481	163	26160000	218	0	4	78.14	120000	218	279
2	Fiction	1481	291	2460000	82	0	3	15.05	30000	82	545
3	Action	1482	524	2490000	25	0	3	28.74	99600	25	87
4	Science	1485	314	1400000	20	0	2	4.14	70000	20	483
5	Family	1483	73	19800000	167	0	8	7.44	118562.8743	167	2245

Save Cancel Script 200 5 Rows: 1 5 row(s) fetched - 255ms (5ms fetch), on 2022-10-04

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DDL Performed :

a)CREATE

```
-----Using transaction table perform various operations ( DDL,DML,DCL,TCL)-----

-----DDL CREATE COMMAND-----
-----CREATING TABLE CINEME_TICKET IN DATABASE-----

CREATE TABLE DFA_CINEMATICKET_DATA
(
  Film_Type    VARCHAR(100),
  film_code    VARCHAR(100),
  cinema_code  VARCHAR(100),
  total_sales  VARCHAR(100),
  tickets_sold VARCHAR(100),
  tickets_out  VARCHAR(100),
  show_time   VARCHAR(100),
  occu_perc   VARCHAR(100),
  ticket_price VARCHAR(100),
  ticket_use   VARCHAR(100),
  capacity     VARCHAR(100),
  t_date      VARCHAR(100),
  t_month     VARCHAR(100),
  t_quarter   VARCHAR(100),
  t_day       VARCHAR(100),
);
```

b) ALTER

SQL query editor showing the execution of an ALTER command to add a new column to the DFA_CINEMATICKET_DATA table.

```
-----DDL ALTER COMMAND-----  
-----ALTER COMMAND TO ADD NEW COLUMN NAMED THEATRE NAME-----  
  
ALTER TABLE DFA_CINEMATICKET_DATA ADD THEATRE_NAME VARCHAR(100);
```

Results 1 x

SELECT * FROM DFA_CINEMATICKET_DATA

	sold	tickets_out	show_time	occu_perc	ticket_price	ticket_use	capacity	t_date	t_month	t_quarter	t_day	THEATRE_NAME
1	0	4	78.14	120000	218	279	43192	4	2	2	2	[NULL]
2	0	3	15.05	30000	82	545	43193	4	2	3	3	[NULL]
3	0	3	28.74	99600	25	87	43240	5	2	20	20	[NULL]
4	0	2	4.14	70000	20	483	43192	4	2	2	2	[NULL]
5	0	10	7.44	118562.8743	167	2245	43205	4	2	15	15	[NULL]

Save Cancel Script 200 Rows: 1 5 row(s) fetched - 363ms, on 2022-10-04 at 16:10:53

c) TRUNCATE

SQL query editor showing the execution of a TRUNCATE command to empty the DFA_CINEMATICKET_DATA table.

```
---DDL TRUNCATE COMMAND---  
-----TRUNCATE COMMAND USED TO EMPTY THE TABLE-----  
  
TRUNCATE TABLE DFA_CINEMATICKET_DATA;
```

Results 1 x

SELECT * FROM DFA_CINEMATICKET_DATA

	Film_Type	film_code	cinema_code	total_sales	tickets_sold	tickets_out	show_time	occu_perc	ticket_price	ticket_use	capacity
--	-----------	-----------	-------------	-------------	--------------	-------------	-----------	-----------	--------------	------------	----------

Save Cancel Script 200 Rows: 0 No data- 377ms, on 2022-10-04 at 16:16:38

d)DROP

The screenshot shows the SQL Server Enterprise Manager interface. The top pane displays a script with the following commands:

```
-----DDL DROP COMMAND-----  
-----DROP COMMAND USED TO DROP THE TABLE-----  
DROP TABLE DFA_CINEMATICKET_DATA;
```

The bottom pane shows the execution statistics for the query:

Name	Value
Updated Rows	0
Query	DROP TABLE DFA_CINEMATICKET_DATA
Finish time	Tue Oct 04 16:18:07 IST 2022

The status bar at the bottom indicates: 1 Rows: 0, 0 row(s) updated - 340ms, on 2022-10-04 at 16:18:0. The table is in 'Writetable' state.

DML

a)INSERT

The screenshot shows the SQL Server Enterprise Manager interface. The top pane displays a script with the following commands:

```
-----DML INSERT COMMAND-----  
-----INSERTING VALUES TO THE TABLE DFA_CINEMATICKET -----  
  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Fiction',1481,163,26160000,218,0,4,78.14,120000,218,279,43192,4,2,2);  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Fiction',1481,291,2460000,82,0,3,15.05,30000,82,545,43193,4,2,3);  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Action',1482,524,2490000,25,0,3,28.74,99600,25,87,43240,5,2,20);  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Science',1485,314,1400000,20,0,2,4.14,70000,20,483,43192,4,2,2);  
INSERT INTO DFA_CINEMATICKET_DATA VALUES('Family',1483,73,19800000,167,0,8,7.44,118562.8743,167,2245,43205,4,2,15);
```

The bottom pane shows the execution statistics for the query:

Name	Value
Updated Rows	5
Query	INSERT INTO DFA_CINEMATICKET_DATA VALUES('Fiction',1481,163,26160000,218,0,4,78.14,120000,218,279,43192,4,2,2); INSERT INTO DFA_CINEMATICKET_DATA VALUES('Fiction',1481,291,2460000,82,0,3,15.05,30000,82,545,43193,4,2,3); INSERT INTO DFA_CINEMATICKET_DATA VALUES('Action',1482,524,2490000,25,0,3,28.74,99600,25,87,43240,5,2,20); INSERT INTO DFA_CINEMATICKET_DATA VALUES('Science',1485,314,1400000,20,0,2,4.14,70000,20,483,43192,4,2,2); INSERT INTO DFA_CINEMATICKET_DATA VALUES('Family',1483,73,19800000,167,0,8,7.44,118562.8743,167,2245,43205,4,2,15);
Finish time	Tue Oct 04 16:18:07 IST 2022

The status bar at the bottom indicates: 1 Rows: 5, 5 row(s) updated - 340ms, on 2022-10-04 at 16:18:0. The table is in 'Writetable' state.

b)SELECT

SQL query editor showing the execution of a SELECT statement to display inserted values from the DFA_CINEMATICKET_DATA table.

```
-----DISPLAYING THE INSERTED VALUES TO TABLE
SELECT * FROM DFA_CINEMATICKET_DATA;
```

Results 1 x

SELECT * FROM DFA_CINEMATICKET_DATA | Enter a SQL expression to filter results (use Ctrl+Space)

	noc	Film_Type	noc	film_code	noc	cinema_code	noc	total_sales	noc	tickets_sold	noc	tickets_out	noc	show_time	noc	occu_perc	noc	ticket_price	noc	ticket_use	noc	capacity
1		Fiction		1481		163		26160000		218		0		4		78.14		120000		218		279
2		Fiction		1481		291		2460000		82		0		3		15.05		30000		82		545
3		Action		1482		524		2490000		25		0		3		28.74		99600		25		87
4		Science		1485		314		1400000		20		0		2		4.14		70000		20		483
5		Family		1483		73		19800000		167		0		8		7.44		118562.8743		167		2245

Save Cancel Script 200 5 Rows: 1 5 row(s) fetched - 255ms (5ms fetch), on 2022-10-04

IST en Writable Smart Insert 41 : 37 : 1333 Sel: 0 | 0

b)UPDATE

SQL query editor showing the execution of an UPDATE statement to update the show_time for film_code=1483 from 8 to 10.

```
-----DML UPDATE COMMAND-----
-----UPDATING SHOW_TIME FOR FILM_CODE=1483 FROM 8 TO 10 IN TABLE-----

UPDATE DFA_CINEMATICKET_DATA
SET SHOW_TIME=10
WHERE FILM_CODE=1483;
```

Results 1 x

SELECT * FROM DFA_CINEMATICKET_DATA | Enter a SQL expression to filter results (use Ctrl+Space)

	noc	Film_Type	noc	film_code	noc	cinema_code	noc	total_sales	noc	tickets_sold	noc	tickets_out	noc	show_time	noc	occu_perc	noc	ticket_price	noc	ticket_use	noc	capacity
1		Fiction		1481		163		26160000		218		0		4		78.14		120000		218		279
2		Fiction		1481		291		2460000		82		0		3		15.05		30000		82		545
3		Action		1482		524		2490000		25		0		3		28.74		99600		25		87
4		Science		1485		314		1400000		20		0		2		4.14		70000		20		483
5		Family		1483		73		19800000		167		0		10		7.44		118562.8743		167		2245

Save Cancel Script 200 5 Rows: 1 5 row(s) fetched - 272ms (2ms fetch), on 2022-10-04

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c)DELETE

-----DML DELETE COMMAND-----
 -----DELETE COMMAND IS USED TO DELETE THE ROW WHERE FILM_CODE=1482 IN TABLE-----

DELETE FROM DFA_CINEMATICKET_DATA WHERE FILM_CODE=1482;

Results 1 x

SELECT * FROM DFA_CINEMATICKET_DATA

asc	asc	asc	asc	asc	asc	asc	asc	asc	asc	asc	asc
Film_Type	film_code	cinema_code	total_sales	tickets_sold	tickets_out	show_time	occu_perc	ticket_price	ticket_use	capacity	
1 Fiction	1481	163	26160000	218	0	4	78.14	120000	218	279	
2 Fiction	1481	291	2460000	82	0	3	15.05	30000	82	545	
3 Science	1485	314	1400000	20	0	2	4.14	70000	20	483	
4 Family	1483	73	19800000	167	0	10	7.44	118562.8743	167	2245	

Save Cancel Script 200 Rows: 1 4 row(s) fetched - 461ms, on 2022-10-04 at 16:13:57