

Practice following DML commands in SSMS:

## 1 - INSERT:

- Identity

The screenshot shows the Microsoft SQL Server Enterprise Manager (SSMS) interface. The left pane displays the Object Explorer with the 'Mhasan' database selected. The central pane shows a SQL query window with the following commands:

```
--1 - INSERT: Identity
create table test1
(
    id INT IDENTITY(1,1),
    FName varchar(100)
)
insert into test1 values ( 'Hasan');
Select * from test1;

insert into test1 values ('Ali');
Select * from test1;

delete test1 where id=3

set identity_insert test1 on
insert into test1(id,FName) values (3, 'ali');
set identity_insert test1 off
```

The bottom pane shows the 'Results' tab with the following data:

id	FName
1	Hasan
2	Ali
3	Hasan
4	Hasan
5	ali

The status bar at the bottom indicates 'Query executed successfully.' and '5 rows'.

- Creating a table from another table

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure for 'localhost (SQL Server 16.0.1)', including 'Mhasan' and 'northwind' databases. The main query window, titled 'SQLQuery1.sql - l...hammad Hasan (78))', contains the following SQL code:

```
--Creating a table from another table  
select * into test2 from test1  
Select * from test2;  
  
--how to create a new table structurte with existing table  
select * into test3 from test1  
where 1=0  
Select * from test3;
```

The 'Results' pane at the bottom shows a table with 5 rows and 2 columns: 'id' and 'FName'.

id	FName
1	Hasan
2	Ali
3	Hasan
4	Hasan
5	ali

The status bar at the bottom indicates 'Query executed successfully.' and '5 rows'.

- Inserting rows from one table to another

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the Object Explorer with the 'Mhasan' database selected. The right pane shows a query window with the following SQL code:

```
insert into test2(FName) select FName from test2
Select * from test2;
```

The query has been executed successfully, and the results are displayed in the 'Results' tab. The results show a table with two columns: 'id' and 'FName'. The data is as follows:

id	FName
1	Hasan
2	Ali
3	Hasan
4	Hasan
5	ali
6	Hasan
7	Ali
8	Hasan
9	Hasan
10	ali

The status bar at the bottom indicates that the query was executed successfully. The bottom of the window shows a blue bar with the text 'The key comb... Ln 39 Col 21 Ch 21 INS'.

## 2 - UPDATE

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the Object Explorer with the 'Mhasan' database selected. The right pane shows the SQL Query Editor with the following query:

```
--- UPDATE  
  
UPDATE test1  
SET FName='Muhammad'  
WHERE id=1;  
Select * from test1;
```

Below the query editor, the 'Results' tab is active, showing the output of the query. The results are displayed in a table with 5 rows and 2 columns: 'id' and 'FName'.

id	FName
1	Muhammad
2	Ali
3	Hasan
4	Hasan
5	ali

The status bar at the bottom indicates that the query was executed successfully.

### 3 - DELETE:

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the Object Explorer with the 'Mhasan' database selected. The right pane shows the SQL Query window with the following query:

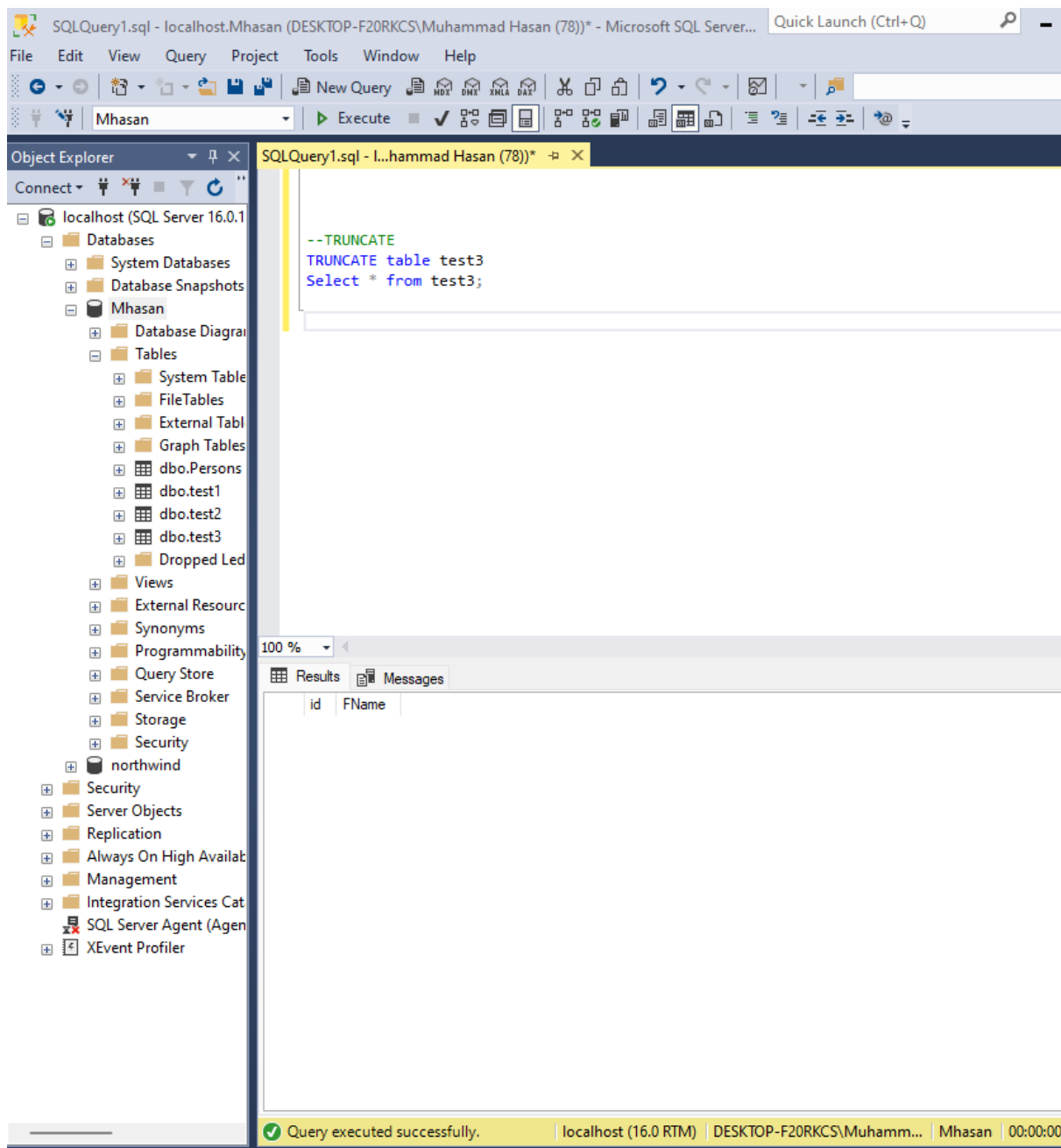
```
--DELETE  
DELETE FROM test1 WHERE id='5';  
Select * from test1;
```

The query has been executed successfully, and the results are displayed in the Results pane. The results show a table with columns 'id' and 'FName'.

	id	FName
1	1	Muhammad
2	2	Ali
3	4	Hasan
4	3	ali

The status bar at the bottom indicates 'Query executed successfully.' and 'localhost (16.0 RTM) | DESKTOP-F20RKCS\Muhamm... | Mhasan | 00:00:00'.

- Truncate



- **Difference between delete & truncate**

The DELETE command is used to delete particular records from a table.

### Syntax

DELETE from any\_table Where condition;

The TRUNCATE command is used to delete the complete data from the table.

### Syntax

```
TRUNCATE TABLE any_table_name;
```