

# Lab 11 report

Your Name

March 31, 2024



Session: 2022 – 2026

**Submitted by:**

Name: Robass Atif

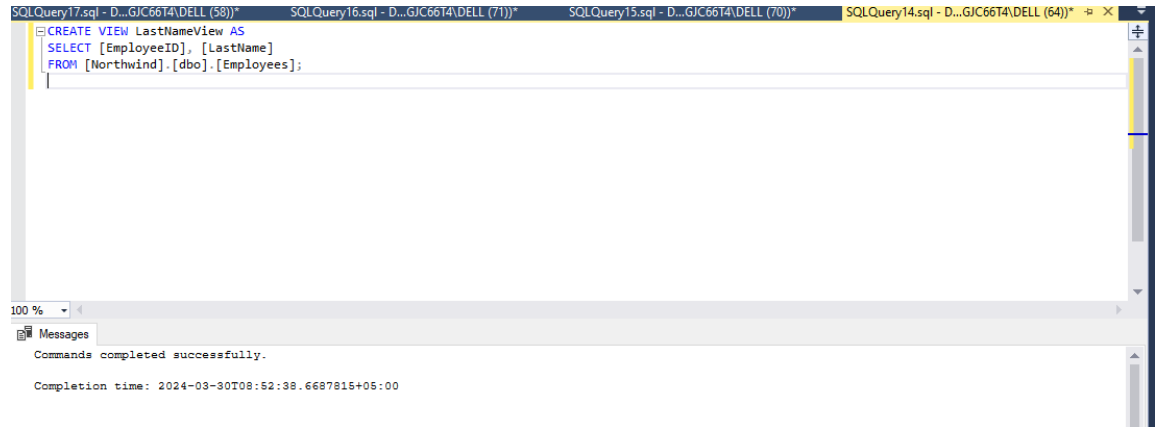
Registration No: 2022-CS-150

**Submitted to:**

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University of Engineering and Technology  
Lahore, Pakistan

Create a new view on Employees LastName attribute.



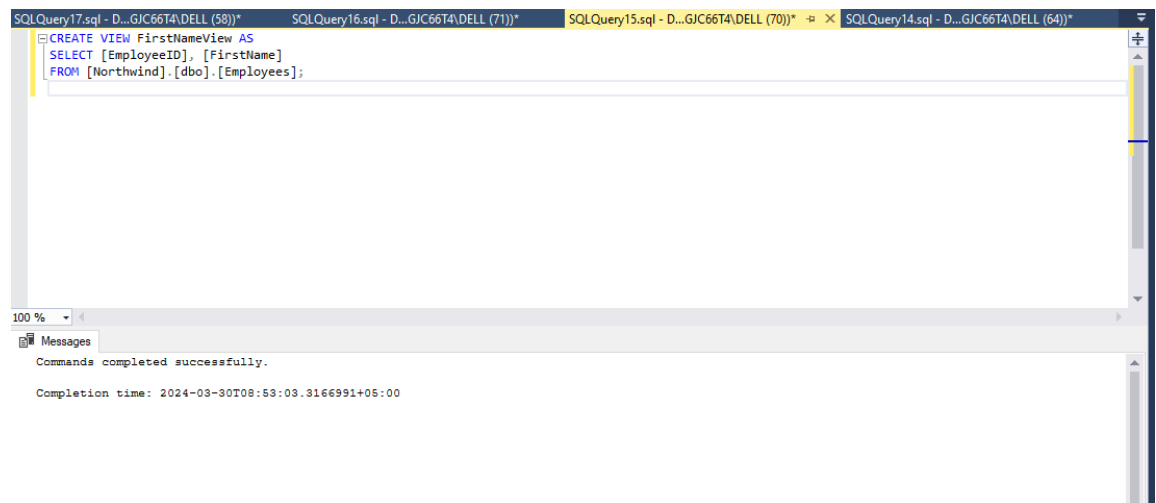
The screenshot shows a SQL Server Enterprise Manager window with multiple tabs. The active tab is 'SQLQuery17.sql - D:\GJC66T4\DELL (58))'. The SQL editor contains the following code:

```
CREATE VIEW LastNameView AS
SELECT [EmployeeID], [LastName]
FROM [Northwind].[dbo].[Employees];
```

Below the editor, the 'Messages' pane shows the following text:

```
Commands completed successfully.
Completion time: 2024-03-30T08:52:38.6687815+05:00
```

Create a new view on Employees FirstName attribute.



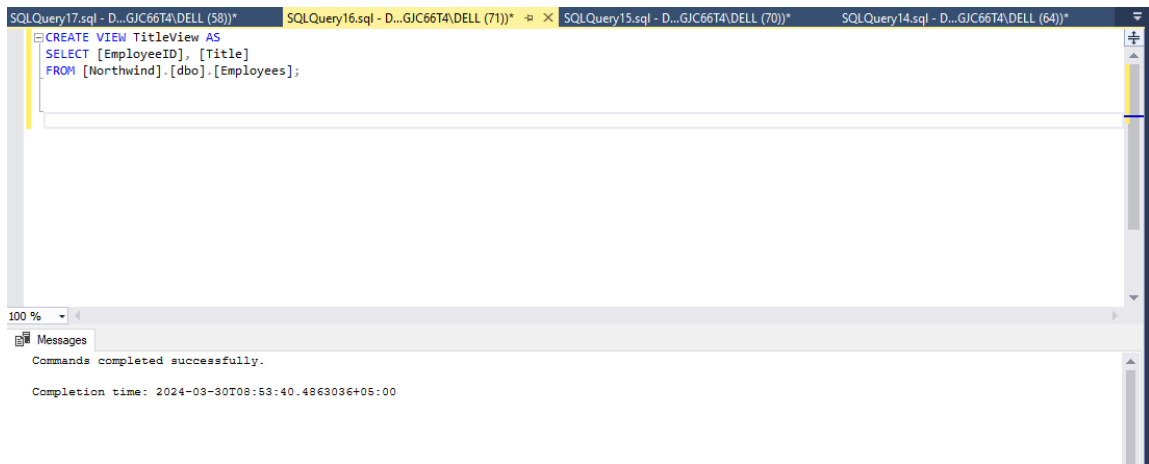
The screenshot shows a SQL Server Enterprise Manager window with multiple tabs. The active tab is 'SQLQuery15.sql - D:\GJC66T4\DELL (70))'. The SQL editor contains the following code:

```
CREATE VIEW FirstNameView AS
SELECT [EmployeeID], [FirstName]
FROM [Northwind].[dbo].[Employees];
```

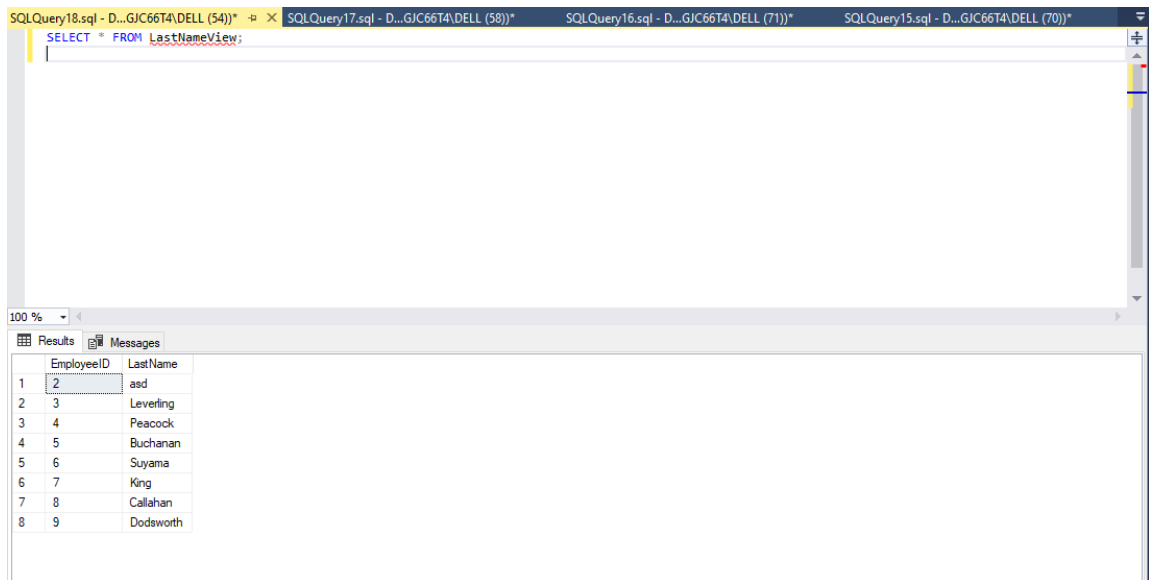
Below the editor, the 'Messages' pane shows the following text:

```
Commands completed successfully.
Completion time: 2024-03-30T08:53:03.3166991+05:00
```

Create a new view on Employees Title attribute.



Create a new view on Employees City attribute.



Show values of view by calling it.

SQLQuery18.sql - D:\GJC66T4\DELL (54)))\* SQLQuery17.sql - D:\GJC66T4\DELL (58)))\* SQLQuery16.sql - D:\GJC66T4\DELL (71)))\* SQLQuery15.sql - D:\GJC66T4\DELL (70)))\*

```
SELECT * FROM FirstNameView;
```

100 %

Results Messages

	EmployeeID	FrstName
1	2	asd
2	3	Janet
3	4	Margaret
4	5	Steven
5	6	Michael
6	7	Robert
7	8	Laura
8	9	Anne

Now second

SQLQuery19.sql - D:\GJC66T4\DELL (63)))\* SQLQuery18.sql - D:\GJC66T4\DELL (54)))\* SQLQuery17.sql - D:\GJC66T4\DELL (58)))\* SQLQuery16.sql - D:\GJC66T4\DELL (71)))\*

```
DROP VIEW LastNameView;
```

100 %

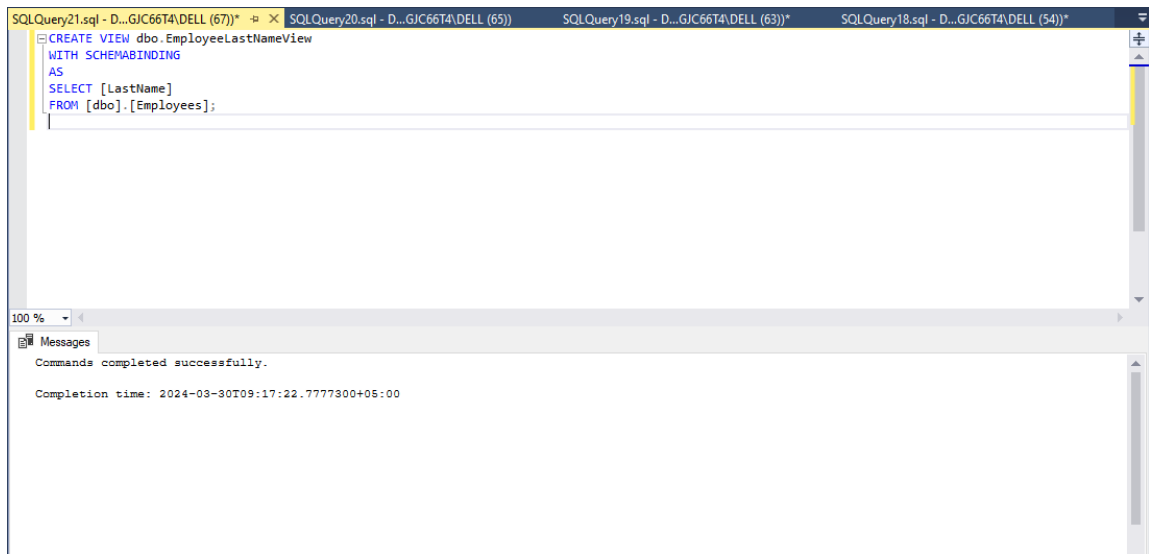
Messages

Commands completed successfully.

Completion time: 2024-03-30T09:01:08.5867883+05:00

## 0.1 Insert

Drop the View



The screenshot shows the SQL Server Enterprise Manager interface. The top pane displays a SQL query: `CREATE VIEW dbo.EmployeeLastNameView WITH SCHEMABINDING AS SELECT [LastName] FROM [dbo].[Employees];`. The bottom pane, labeled 'Messages', shows the command completed successfully with a completion time of 2024-03-30T09:17:22.7777300+05:00.

```
SQLQuery21.sql - D...GJC66T4\DELL (67))* X SQLQuery20.sql - D...GJC66T4\DELL (65)) SQLQuery19.sql - D...GJC66T4\DELL (63))* SQLQuery18.sql - D...GJC66T4\DELL (54))*
```

```
CREATE VIEW dbo.EmployeeLastNameView
WITH SCHEMABINDING
AS
SELECT [LastName]
FROM [dbo].[Employees];
```

100 %

Messages

Commands completed successfully.

Completion time: 2024-03-30T09:17:22.7777300+05:00

Now Schema Binding



The screenshot shows the SQL Server Enterprise Manager interface. The top pane displays a SQL query: `-- Create encrypte -- Create encrypted view Employee_Details4 based on Emp_Name from the dbo.Employee table CREATE VIEW DBO.Employee_Details4 WITH ENCRYPTION AS SELECT FirstName FROM dbo.Employees; -- Create view LastNameView based`. The bottom pane, labeled 'Messages', shows the command completed successfully with a completion time of 2024-03-30T09:36:08.4788842+05:00.

```
SQLQuery21.sql - D...GJC66T4\DELL (67))* X SQLQuery20.sql - D...GJC66T4\DELL (65)) SQLQuery19.sql - D...GJC66T4\DELL (63))* SQLQuery18.sql - D...GJC66T4\DELL (54))*
```

```
-- Create encrypte
-- Create encrypted view Employee_Details4 based on Emp_Name from the dbo.Employee table
CREATE VIEW DBO.Employee_Details4
WITH ENCRYPTION
AS
SELECT FirstName
FROM dbo.Employees;

-- Create view LastNameView based
```

100 %

Messages

Commands completed successfully.

Completion time: 2024-03-30T09:36:08.4788842+05:00

Now Encryption

```
SQLQuery22.sql - D:\GJC66T4\DELL (72))" -# X SQLQuery21.sql - D:\GJC66T4\DELL (67))" SQLQuery20.sql - D:\GJC66T4\DELL (65)) SQLQuery19.sql - D:\GJC66T4\DELL (63))"
CREATE VIEW dbo.FilteredEmployeeView
AS
SELECT
    [EmployeeID],
    [LastName],
    [FirstName],
    [Title],
    [TitleOfCourtesy],
    [BirthDate],
    [HireDate],
    [Address],
    [City],
    [Region],
    [PostalCode],
    [Country],
    [HomePhone],
    [Extension]

```

100 %

Messages

Commands completed successfully.

Completion time: 2024-03-30T09:38:00.4966202+05:00

100 %

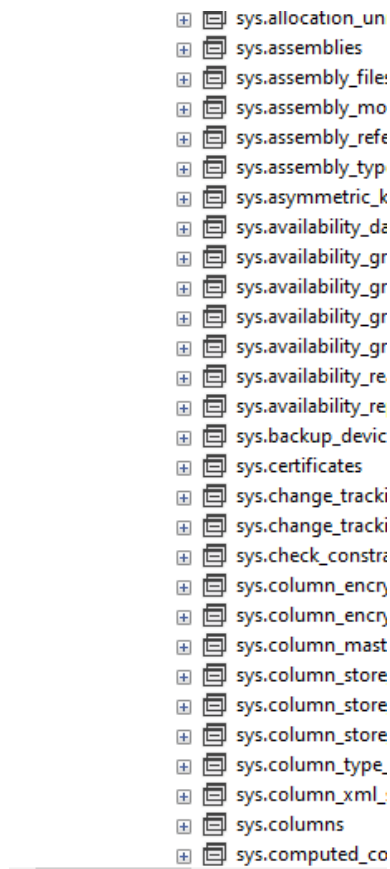


Figure 1: Built-in system views