



DATABASE REPORT

SUBMITTED TO
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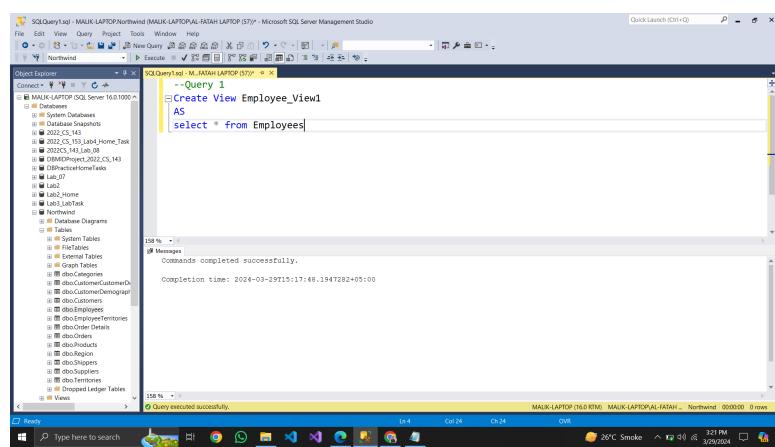
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0.1 Db Report

0.1.1 Home Task

0.1.2 STEP 1



A screenshot of Microsoft SQL Server Management Studio (SSMS) showing a successful database operation. The window title is "SQLQuery1 - [M:\Northwind].[dbo].[Employee_View] - Microsoft SQL Server Management Studio". The Object Explorer on the left shows the database structure, including the "Employees" table under "Tables". The main pane displays a T-SQL script:

```
--Query 1
Create View Employee_View
AS
select * from Employees
```

The status bar at the bottom right indicates "Commands completed successfully." and "Completion time: 2024-03-29T15:17:48.1947282+05:00". The taskbar at the bottom shows various open applications, including a browser and file explorer.

Figure 1: Figure 1

The screenshot shows the Microsoft SQL Server Management Studio interface. A query window titled 'SQL Query1 - M:\JATAH\APPROJ01\Northwind.mdf - [EmployeeID]' is open, displaying the results of a SELECT query. The results grid contains 8 rows of employee data, including columns like EmployeeID, LastName, FirstName, Title, BirthDate, HireDate, Address, City, Region, PostalCode, and Country. The data includes various employees from different cities like London, Seattle, and Kitzbühel.

EmployeeID	Lastname	Firstname	Title	Birthdate	Hiredate	Address	City	Region	Postalcode	Country
1	Allen	Andrea	Vice President, Sales	1960-08-20 00:00:00.000	1990-09-16 00:00:00.000	900 W Capital Way	Tacoma	WA	98003	USA
2	Leverling	Jonathan	Sales Representative	1963-08-30 00:00:00.000	1992-04-01 00:00:00.000	722 Mass Ave	Kirkland	WA	98033	USA
3	Martin	Robert	Sales Representative	1964-05-03 00:00:00.000	1993-08-17 00:00:00.000	123 Headley Court	Seattle	WA	98103	USA
4	Buchanan	Steve	Sales Manager	1955-03-04 00:00:00.000	1993-10-17 00:00:00.000	14 Gerrard St West	London	NNULL	SW1 ERL	UK
5	Suyama	Karen	Sales Representative	1962-09-13 00:00:00.000	1994-01-02 00:00:00.000	321-Bell Court	London	NNULL	SW1 ERL	UK
6	Kings歸	Mark	Sales Representative	1965-05-20 00:00:00.000	1994-01-02 00:00:00.000	Eagnham Hollow	Windsor	NNULL	RG1 6SP	UK
7	Callahan	Laura	Inside Sales Coordinator	1966-01-09 00:00:00.000	1994-05-05 00:00:00.000	8704 11th Ave N.E.	Seattle	WA	98105	USA
8	Davolio	Anne	Sales Representative	1968-07-27 00:00:00.000	1994-11-15 00:00:00.000	7 Hanover Rd	London	NNULL	WN2 7LT	UK

Figure 2: Figure 2

0.1.3 STEP 2

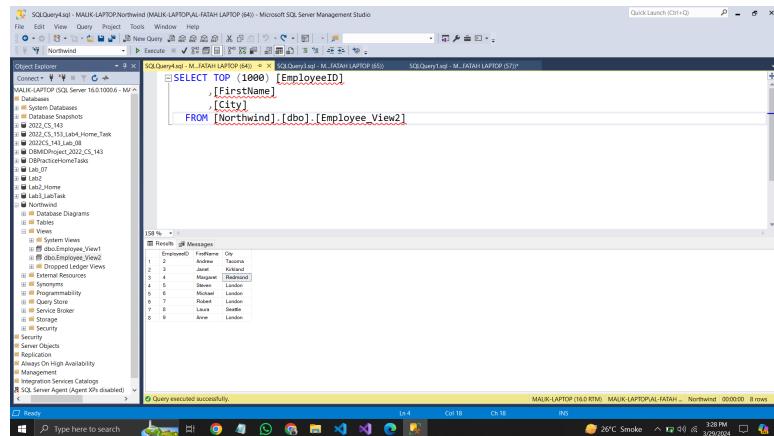
0.1.4 STEP 3

The screenshot shows the Microsoft SQL Server Management Studio interface. A query window titled 'SQLQuery1 - M:\JATAH\APPROJ01\Northwind.mdf - [EmployeeID]' is open, displaying a CREATE VIEW command. The command creates a view named 'Employee_View' that selects EmployeeID, FirstName, and City from the Employees table.

```
-Query 2
--Create View Employee_View
as
select EmployeeID,FirstName,City from Employees
```

Figure 3: Figure 3

0.1.5 STEP 4



A screenshot of Microsoft SQL Server Management Studio (SSMS) showing a query results grid. The query executed was:

```
SELECT TOP (1000) [EmployeeID]
      ,[FirstName]
      ,[City]
  FROM [Northwind].[dbo].[Employee_View2]
```

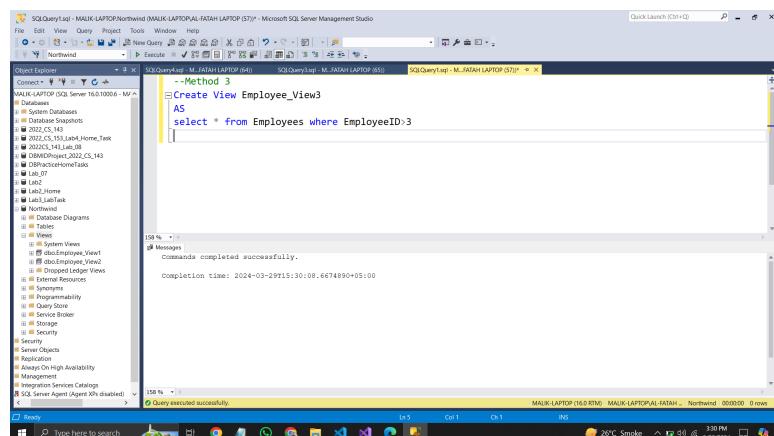
The results grid displays 10 rows of data:

EmployeeID	FirstName	City
1	Janet	Tacoma
2	Steven	Kirkland
3	Margaret	Seattle
4	Steve	London
5	Roland	London
6	Robert	London
7	Laura	Seattle
8	Anne	London
9	Mark	London

Message bar: Query executed successfully.

Figure 4: Figure 4

0.1.6 STEP 5



A screenshot of Microsoft SQL Server Management Studio (SSMS) showing a query results grid. The query executed was:

```
--Method 3
--Create View Employee_View3
AS
select * from Employees where EmployeeID>3
```

The results grid displays 1 row of data:

EmployeeID	FirstName	LastName	Title	TitleOfCourtesy	Address	City	PostalCode	Country	Phone	Fax	Notes	NotesExpanded
4	Steve	Elle	Customer Support Rep	Mr.	123 Main St.	London	E4 5YH	UK	010-1234567	010-5678901	Customer support rep notes.	Customer support rep notes expanded.

Message bar: Command(s) completed successfully.

Figure 5: Figure 5

0.1.7 STEP 6

The screenshot shows the Microsoft SQL Server Management Studio interface. A query window displays the results of a SELECT statement on the 'Employees' table from the 'Northwind' database. The results grid contains 1000 rows of employee data, including columns such as EmployeeID, FirstName, LastName, Title, BirthDate, Address, City, PostalCode, Country, HeadOffice, Extension, and Photo. The interface includes a toolbar at the top, a status bar at the bottom, and a taskbar with various application icons.

EmployeeID	FirstName	LastName	Title	BirthDate	Address	City	PostalCode	Country	HeadOffice	Extension	Photo
1	Janet	Pawson	Sales Representative	1983-09-19 00:00:00.000	983-09-19 00:00:00.000	4110 Old Redwood Rd.	Redmond	WA	209-555-1234	1234	
2	Steven	Kilback	Sales Manager	1965-03-04 00:00:00.000	1993-10-17 00:00:00.000	14 Garden Hill	London	N/A	516-555-4443	443	
3	Michael	Schoen	Accounting Manager	1968-01-12 00:00:00.000	1995-01-12 00:00:00.000	87 Box 546	London	N/A	515-555-5555	555	
4	Robert	Kingsley	Sales Representative	1965-05-29 00:00:00.000	1994-01-02 00:00:00.000	Edgar Hull Worcester Way	London	N/A	515-555-4565	4565	
5	Laura	Brereton	Marketing Manager	1969-05-01 00:00:00.000	1995-05-01 00:00:00.000	221 Woodstock Lane N.W.	London	N/A	515-555-3333	3333	
6	Anne	Dubois	Sales Representative	1966-01-27 00:00:00.000	1994-11-15 00:00:00.000	7 Hounslow Hill	London	N/A	515-555-4444	4444	

Figure 6: Figure 6

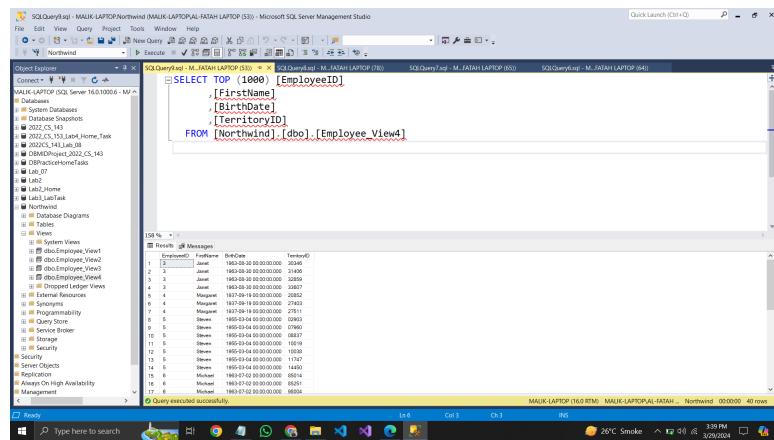
0.1.8 STEP 7

The screenshot shows the Microsoft SQL Server Management Studio interface. A query window displays the creation of a view named 'Employee_View4'. The code uses a LEFT OUTER JOIN to combine data from the 'Employees' and 'EmployeeTerritories' tables. The interface includes a toolbar at the top, a status bar at the bottom, and a taskbar with various application icons.

```
--Method 4
--Create View Employee_View4
AS
Select Employees.EmployeeID,Employees.FirstName,Employees.BirthDate,EmployeeTerritories.TerritoryID
From Employees
Left Outer Join(
EmployeeTerritories
on
Employees.EmployeeID= EmployeeTerritories.EmployeeID
Where Employees.EmployeeID=2
table Northwind.dbo.Employees
```

Figure 7: Figure 7

0.1.9 STEP 8



The screenshot shows the Microsoft SQL Server Management Studio interface. A query window is open with the following T-SQL code:

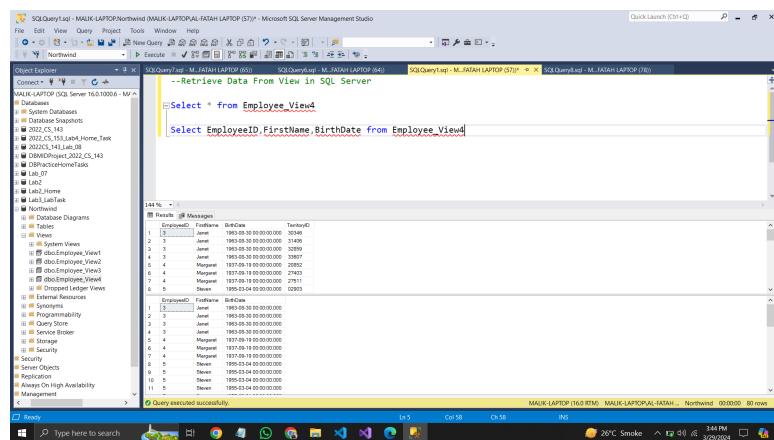
```
SELECT TOP (1000) [EmployeeID]
      ,[FirstName]
      ,[BirthDate]
      ,[TerritoryID]
  FROM [Northwind].[dbo].[Employee_View4]
```

The results pane displays a table with columns EmployeeID, FirstName, BirthDate, and TerritoryID. The data consists of 10 rows, each representing an employee from the Northwind database.

EmployeeID	FirstName	BirthDate	TerritoryID
1	Jani	1955-08-20 00:00:00.000	32345
2	Jani	1955-08-20 00:00:00.000	32345
3	Jani	1955-08-20 00:00:00.000	32345
4	Jani	1955-08-20 00:00:00.000	32345
5	Margaret	1955-08-20 00:00:00.000	29822
6	Margaret	1955-08-20 00:00:00.000	29822
7	Margaret	1955-08-20 00:00:00.000	27511
8	Steven	1955-08-20 00:00:00.000	32345
9	Steven	1955-08-20 00:00:00.000	32345
10	Steven	1955-08-20 00:00:00.000	11519
11	Steven	1955-08-20 00:00:00.000	11519
12	Steven	1955-08-20 00:00:00.000	11519
13	Steven	1955-08-20 00:00:00.000	11519
14	Steven	1955-08-20 00:00:00.000	14405
15	Michael	1955-08-20 00:00:00.000	29822
16	Michael	1955-08-20 00:00:00.000	29822
17	Michael	1955-08-20 00:00:00.000	29822
18	Michael	1955-08-20 00:00:00.000	29822
19	Michael	1955-08-20 00:00:00.000	29822
20	Michael	1955-08-20 00:00:00.000	29822

Figure 8: Figure 8

0.1.10 STEP 9



The screenshot shows the Microsoft SQL Server Management Studio interface. A query window is open with the following T-SQL code:

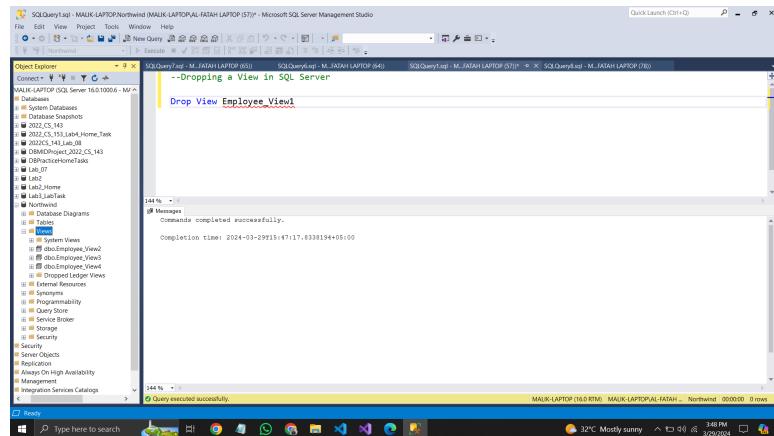
```
--Retrieve Data From View in SQL Server
Select * from Employee_View4
Select EmployeeID, FirstName, BirthDate from Employee_View4
```

The results pane displays two tables. The first table, 'Employee_View4', has 10 rows. The second table, 'EmployeeID, FirstName, BirthDate', also has 10 rows. Both tables show the same data as in Figure 8.

EmployeeID	FirstName	BirthDate	TerritoryID
1	Jani	1955-08-20 00:00:00.000	32345
2	Jani	1955-08-20 00:00:00.000	32345
3	Jani	1955-08-20 00:00:00.000	32345
4	Jani	1955-08-20 00:00:00.000	32345
5	Margaret	1955-08-20 00:00:00.000	29822
6	Margaret	1955-08-20 00:00:00.000	29822
7	Margaret	1955-08-20 00:00:00.000	27511
8	Steven	1955-08-20 00:00:00.000	32345
9	Steven	1955-08-20 00:00:00.000	32345
10	Steven	1955-08-20 00:00:00.000	11519
11	Steven	1955-08-20 00:00:00.000	11519
12	Steven	1955-08-20 00:00:00.000	11519
13	Steven	1955-08-20 00:00:00.000	11519
14	Steven	1955-08-20 00:00:00.000	14405
15	Michael	1955-08-20 00:00:00.000	29822
16	Michael	1955-08-20 00:00:00.000	29822
17	Michael	1955-08-20 00:00:00.000	29822
18	Michael	1955-08-20 00:00:00.000	29822
19	Michael	1955-08-20 00:00:00.000	29822
20	Michael	1955-08-20 00:00:00.000	29822

Figure 9: Figure 9

0.1.11 STEP 10



--Dropping a View in SQL Server

```
Drop View Employee_View1
```

144 %

Messages

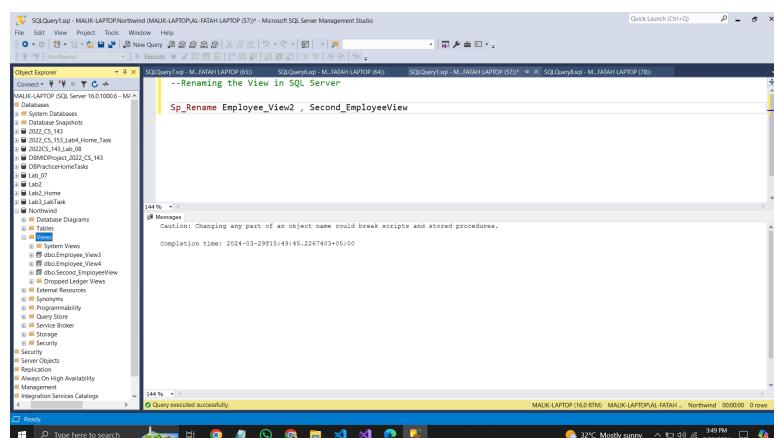
Commands completed successfully.

Completion time: 2024-03-29T15:47:17.8338194+05:00

Query executed successfully.

Figure 10: Figure 10

0.1.12 STEP 11



--RENAMEING the View in SQL Server

```
Sp_Rename Employee_View2 , Second_EmployeeView
```

144 %

Messages

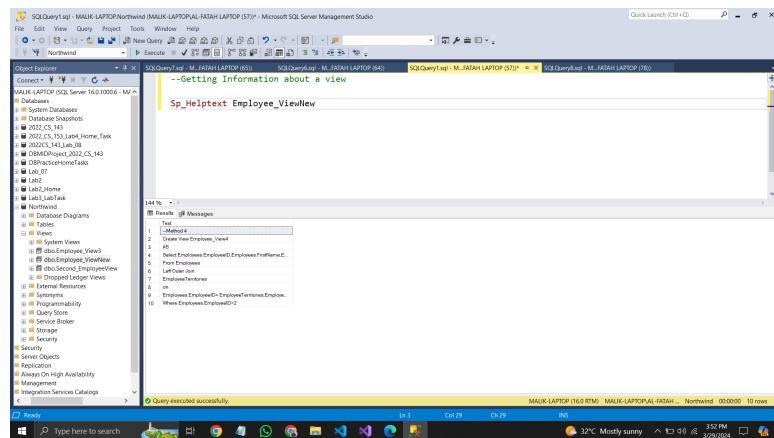
Caution: Changing any part of an object name could break scripts and stored procedures.

Completion time: 2024-03-29T15:49:45.2247403+05:00

Query executed successfully.

Figure 11: Figure 11

0.1.13 STEP 12



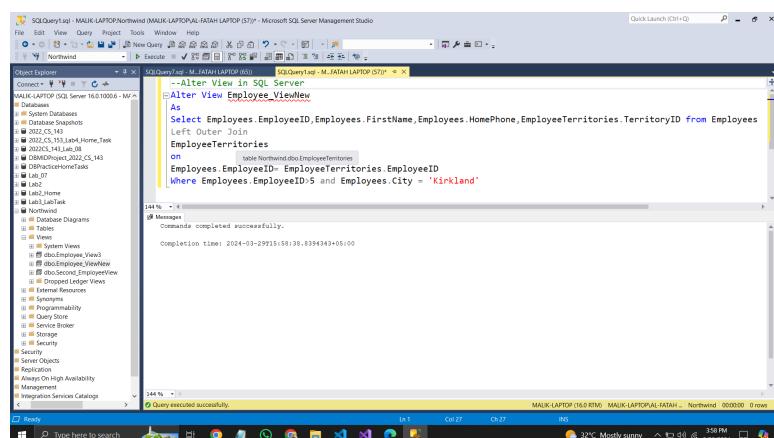
--Getting Information about a view
Sp_Helptext Employee_ViewNew

```
1 Method4
2 Create View Employee_View
3 AS
4 Select Employees.EmployeeID,Employees.FirstName,Employees.HomePhone,EmployeeTerritories.TerritoryID from Employees
5 Left Outer Join
6 EmployeeTerritories
7 on
8 Employees.EmployeeID= EmployeeTerritories.EmployeeID
9 Where Employees.EmployeeID>5 and Employees.City = 'Kirkland'
```

Query executed successfully.

Figure 12: Figure 12

0.1.14 STEP 13



```
--Alter View in SQL Server
ALTER VIEW Employee_ViewNew
AS
Select Employees.EmployeeID,Employees.FirstName,Employees.HomePhone,EmployeeTerritories.TerritoryID from Employees
Left Outer Join
EmployeeTerritories
on
Employees.EmployeeID= EmployeeTerritories.EmployeeID
Where Employees.EmployeeID>5 and Employees.City = 'Kirkland'
```

Commands completed successfully.

Completion time: 2024-03-29T11:58:39.0394343+05:00

Query executed successfully.

Figure 13: Figure 13

0.1.15 STEP 14

The screenshot shows the Object Explorer on the left with the database 'Northwind' selected. In the center, the 'SQLQuery1.edl - M_JAHAN LAPTOP (37) - Microsoft SQL Server Management Studio' window is open. It contains a T-SQL script for creating a view:

```

sp_Helptext Employee_ViewNew
--Alter View Employee_ViewNew
--AS
--Select Employees.EmployeeID,Employees.FirstName,Employees.HomePhone,EmployeeTerritories.TerritoryID from Employees
--Left Outer Join
--EmployeeTerritories
--on
--Employees.EmployeeID= EmployeeTerritories.EmployeeID
--Where Employees.EmployeeID<5 and Employees.City = 'Kirkland'

```

The 'Results' tab shows the execution message: "Query executed successfully."

Figure 14: Figure 14

0.1.16 STEP 15

The screenshot shows the Object Explorer on the left with the database 'Northwind' selected. In the center, the 'SQLQuery1.edl - JAI LAPTOP (33) - Microsoft SQL Server Management Studio' window is open. It contains a T-SQL script for creating a view:

```

--Refreshing a View in SQL Server
--AS
--Select * From Employees
--Alter Table Employees Add MY_Mail nvarchar(50)

Select * From Employees
Select * From Employee_View1

```

The 'Results' tab shows the execution message: "Query executed successfully."

Figure 15: Figure 15

0.1.17 STEP 16

```
--Create View Employee_View1
--as
--Select * from Employees
--Alter Table Employees Add My_sal nvarchar(50)
Exec sp_refreshview Employee_View1
Select * from Employee
Select * from Employee_View1
```

EmployeeID	Region	PostalCode	Country	HomePhone	Extension	Photo	Notes	ReportsTo	PhotoPath
1	Tacoma	98411	USA	(206) 555-8425	3457	0x1C2F000000000000E01040237FF9FFFF429548,	Andrew received his BTech commercial in 1974 and a...	NULL	http://localhost/northwind/employees/full.bmp
2	Ridgeview	95014	USA	(206) 555-4321	5176	0x1C2F000000000000E01040237FF9FFFF429548,	Margaret holds a BA in English literature from Genc...	2	http://localhost/northwind/employees/second.bmp
3	Pineview	95082	USA	(206) 555-8732	5178	0x1C2F000000000000E01040237FF9FFFF429548,	Margaret holds a BA in English literature from Genc...	2	http://localhost/northwind/employees/second.bmp
4	London	NUL	GBR	(71) 555-6420	3453	0x1C2F000000000000E01040237FF9FFFF429548,	Steven Buchanan produced his St. Andrews Unive...	2	http://localhost/northwind/employees/charles.bmp
5	London	NUL	GBR	(71) 555-4533	465	0x1C2F000000000000E01040237FF9FFFF429548,	Robert King served in the Peace Corps and traveled...	5	http://localhost/northwind/employees/charles.bmp
6	London	NUL	GBR	(71) 555-5580	466	0x1C2F000000000000E01040237FF9FFFF429548,	Robert King served in the Peace Corps and traveled...	5	http://localhost/northwind/employees/charles.bmp
7	London	NUL	GBR	(71) 555-4444	452	0x1C2F000000000000E01040237FF9FFFF429548,	Anne has a BA degree in English from St. Lawrence...	5	http://localhost/northwind/employees/charles.bmp

Figure 16: Figure 16

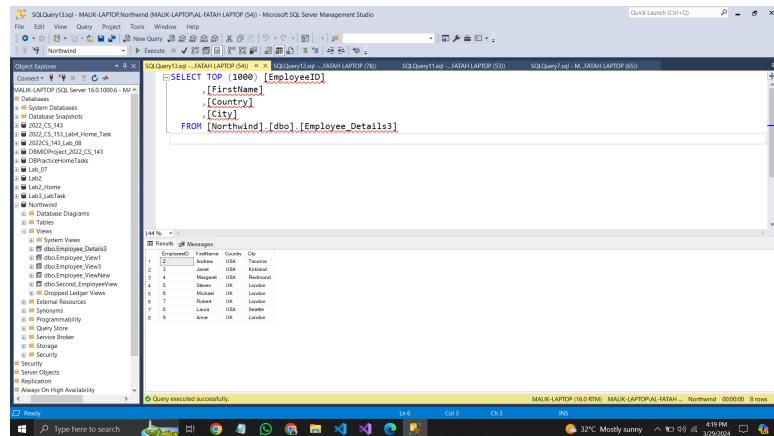
0.1.18 STEP 17

```
--SchemaBinding a VIEW
Create View Employee_Details3
with SCHEMABINDING
as
Select EmployeeID, FirstName, Country, City from DBO.Employees
```

Commands completed successfully.

Figure 17: Figure 17

0.1.19 STEP 18



A screenshot of Microsoft SQL Server Management Studio (SSMS) showing a query execution. The window title is "SQLQuery1.sql - MAULIK-LAPTOP\Northwind (MAULIK-LAPTOP (54)) - Microsoft SQL Server Management Studio". The query window contains the following T-SQL code:

```
SELECT TOP (1000) [EmployeeID]
      ,[FirstName]
      ,[Country]
      ,[City]
  FROM [Northwind].[dbo].[Employees_Details3]
```

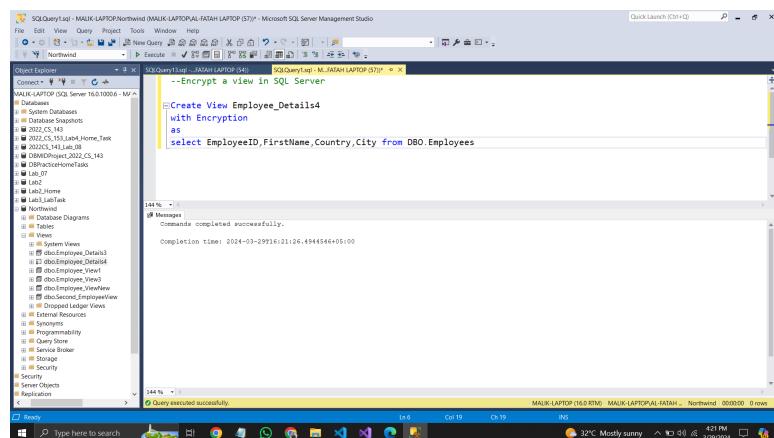
The results pane shows a table with 8 rows of data:

EmployeeID	FirstName	Country	City
1	Jane	USA	Tacoma
2	Mark	UK	Arkalid
3	Steven	UK	London
4	Marta	UK	London
5	Robert	UK	London
6	Laura	USA	Seattle
7	Anne	UK	London

Below the results, a message states "Query executed successfully." The status bar at the bottom right shows "MALUK-LAPTOP (16.0 BTM) MAULIK-LAPTOP\ALI-FATAH... Northwind 00:00:00 0 rows".

Figure 18: Figure 18

0.1.20 STEP 19



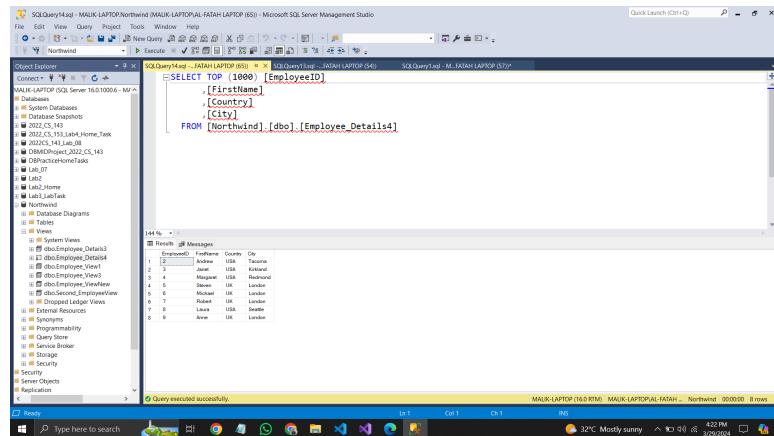
A screenshot of Microsoft SQL Server Management Studio (SSMS) showing a query execution. The window title is "SQLQuery1.sql - MAULIK-LAPTOP\Northwind (MAULIK-LAPTOP\ALI-FATAH (57)) - Microsoft SQL Server Management Studio". The query window contains the following T-SQL code:

```
--Encrypt a view in SQL Server
Create View Employee_Details4
With Encryption
As
select EmployeeID,FirstName,Country,City from DBO.Employees
```

The results pane shows a message: "Commands completed successfully." Below it, a completion time is displayed: "Completion time: 2024-03-29T14:21:26.4944564+05:00". The status bar at the bottom right shows "MALUK-LAPTOP (16.0 BTM) MAULIK-LAPTOP\ALI-FATAH... Northwind 00:00:00 0 rows".

Figure 19: Figure 19

0.1.21 STEP 20

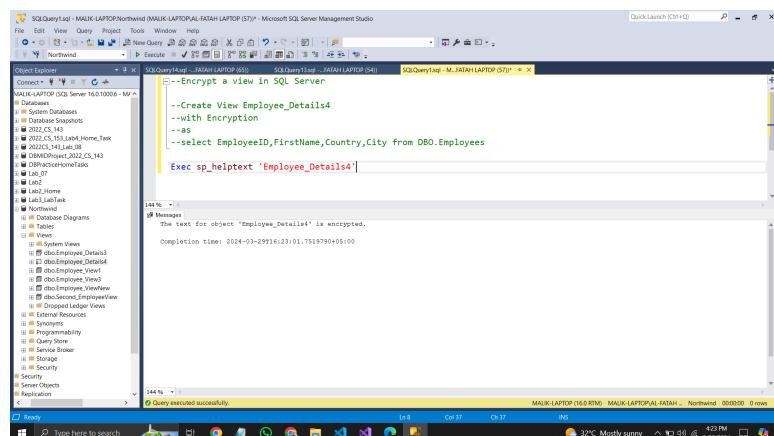


A screenshot of Microsoft SQL Server Management Studio (SSMS) showing a query results grid. The query executed successfully, returning 8 rows of data from the Northwind database's Employees table. The columns are EmployeeID, FirstName, Country, and City.

EmployeeID	FirstName	Country	City
1	Janet	USA	Roma
2	Mikel	UK	London
3	Susan	UK	London
4	Steven	UK	London
5	Mark	UK	London
6	Robert	UK	London
7	Laura	USA	Seattle
8	Anne	UK	London

Figure 20: Figure 20

0.1.22 STEP 21

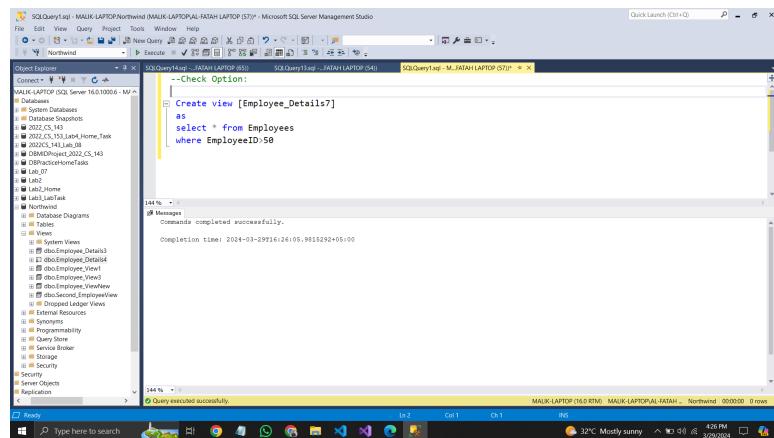


A screenshot of Microsoft SQL Server Management Studio (SSMS) showing a query results grid. The query executed successfully, returning 0 rows. The command was to encrypt a view named Employee_Details4.

EmployeeID	FirstName	Country	City
------------	-----------	---------	------

Figure 21: Figure 21

0.1.23 STEP 22



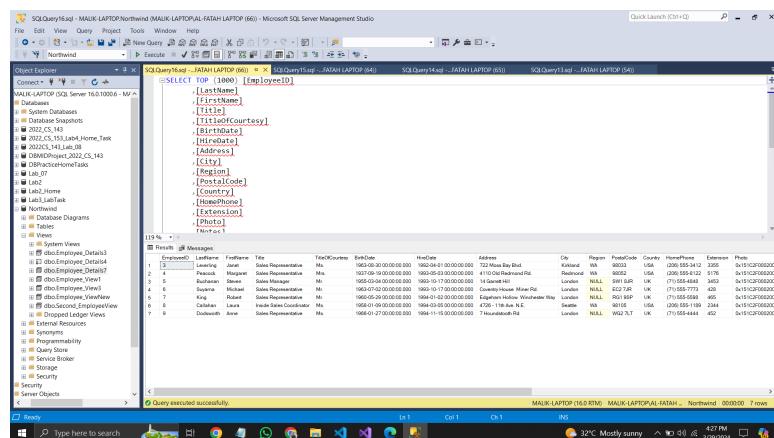
The screenshot shows the Microsoft SQL Server Management Studio interface. On the left, the Object Explorer pane displays the database structure for 'Northwind'. In the center, a query window titled 'SQLQuery1.sql' contains the following T-SQL code:

```
--Check Option:  
Create view [Employee_Details7]  
as  
select * from Employees  
where EmployeeID=50
```

The status bar at the bottom indicates 'Query executed successfully.' and 'Completion time: 2024-03-29T14:26:05.9913292+05:00'.

Figure 22: Figure 22

0.1.24 STEP 23



The screenshot shows the Microsoft SQL Server Management Studio interface. On the left, the Object Explorer pane displays the database structure for 'Northwind'. In the center, a query window titled 'SQLQuery10.sql' contains the following T-SQL code:

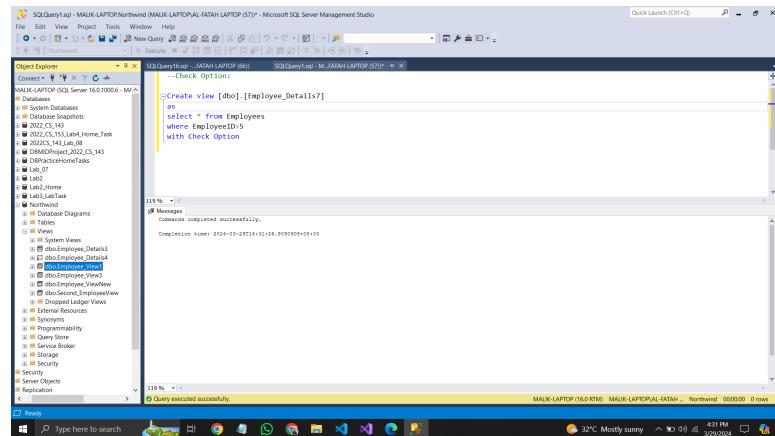
```
SELECT TOP (1000) [EmployeeID]  
,[FirstName]  
,[LastName]  
,[Title]  
,[TitleOfCourtesy]  
,[HireDate]  
,[Address]  
,[City]  
,[Region]  
,[PostalCode]  
,[Country]  
,[HomePhone]  
,[Extension]  
,[Photo]  
,[Notes]
```

The results grid shows 7 rows of employee data:

EmployeeID	FirstName	LastName	Title	TitleOfCourtesy	HireDate	Address	City	Region	PostalCode	Country	HomePhone	Extension	Photo	Notes	
1	Jennifer	Leverling	Sales Representative	Ms.	1983-09-30 00:00:00.000	962-04-01 00:00:00.000	722 Morey Blvd.	Kirkland	WA	98033	(206) 558-3412	295	0x10C2000000000000		
2	Michael	Sapak	Sales Representative	Mr.	1995-01-15 00:00:00.000	10 Old Redwood Rd.	Redmond	WA	98052	USA	(206) 554-4473	463	0x10C2000000000000		
3	Susan	Berkman	Sales Representative	Ms.	1995-03-04 00:00:00.000	14 Belmont St.	London	N.Ireland	EC2R 7JR	UK	(71) 555-7773	426	0x10C2000000000000		
4	King	Robert	Sales Representative	Mr.	1995-07-03 00:00:00.000	983-01-17 00:00:00.000	County House, Mere Rd	London	N.Ireland	EC2R 7JR	UK	(71) 555-7774	268	0x10C2000000000000	
5	Anne	Fuller	Sales Representative	Ms.	1995-01-01 00:00:00.000	1994-05-25 00:00:00.000	4756 - 11th Ave N.E.	Seattle	WA	98105	(206) 555-1189	284	0x10C2000000000000		
6	Patricia	Chen	Sales Representative	Ms.	1995-01-09 00:00:00.000	1994-05-25 00:00:00.000	7 Hanover Rd.	London	N.Ireland	EC2R 7JR	UK	(71) 555-4444	452	0x10C2000000000000	
7	Louise	Douglas	Sales Representative	Ms.	1995-01-27 00:00:00.000	1994-05-25 00:00:00.000	7 Hanover Rd.	London	N.Ireland	EC2R 7JR	UK	(71) 555-4444	452	0x10C2000000000000	

Figure 23: Figure 23

0.1.25 STEP 24



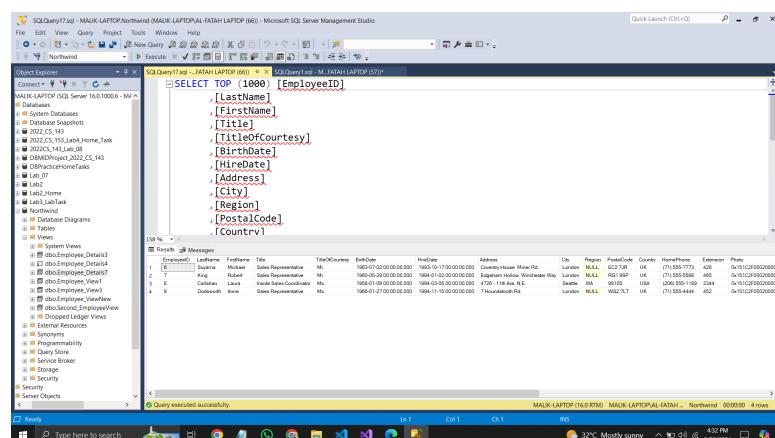
The screenshot shows the Microsoft SQL Server Management Studio interface. On the left, the Object Explorer pane displays the database structure for 'MAULIK-LAPTOP (SQL Server 16.0.10006 - M...'. In the center, the SQL Query Editor window contains the following T-SQL code:

```
CREATE VIEW [dbo].[Employee_Details1]
AS
SELECT * FROM Employees
WHERE EmployeeID < 5
WITH CHECK OPTION
```

The status bar at the bottom right indicates "Query executed successfully." and "Completion time: 2024-03-29T16:31:26.0000000+05'00".

Figure 24: Figure 24

0.1.26 STEP 25



The screenshot shows the Microsoft SQL Server Management Studio interface. On the left, the Object Explorer pane displays the database structure for 'MAULIK-LAPTOP (SQL Server 16.0.10006 - M...'. In the center, the SQL Query Editor window contains the following T-SQL code:

```
SELECT TOP (1000) [EmployeeID]
      ,[LastName]
      ,[FirstName]
      ,[Title]
      ,[TitleOfCourtesy]
      ,[Birthdate]
      ,[HireDate]
      ,[Address]
      ,[City]
      ,[Region]
      ,[PostalCode]
      ,[Country]
```

The results pane shows the output of the query, displaying four rows of employee data:

EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	Birthdate	HireDate	Address	City	Region	PostalCode	Country
1	Suyama	Michael	Sales Representative	Mr.	1963-07-02 00:00:00.000	1990-10-17 00:00:00.000	Covens House, Mere Rd	London	N.W.	GC2 7AB	UK
2	King	Robert	Sales Representative	Mrs.	1960-05-03 00:00:00.000	1994-01-02 00:00:00.000	Edgeham Hollow, Winchester Way	London	N.W.	RG1 9SP	UK
3	Carter	Janet	Sales Representative	Mrs.	1966-01-01 00:00:00.000	1994-01-15 00:00:00.000	87 Charing Cross Road	London	N.E.	WC2E 7AJ	UK
4	Diedrichsen	Anne	Sales Representative	Mrs.	1965-01-27 00:00:00.000	1994-11-15 00:00:00.000	7 Houndsditch Rd	London	N.E.	EC2A 7LT	UK

The status bar at the bottom right indicates "Query executed successfully." and "Completion time: 2024-03-29T16:31:26.0000000+05'00".

Figure 25: Figure 25

0.1.27 STEP 26

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'Northwind'. The central pane displays a query window titled 'SQLQuery17' with the following DML statements:

```
--DML
select * from Employee_Details7
Update Employee_Details7 set FirstName='Laura' where EmployeeID=6
delete from Employee_Details7 where LastName='King'
select * from Employee_Details7
```

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

Figure 26: Figure 26

0.1.28 STEP 27

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'Northwind'. The central pane displays a query window titled 'SQLQuery17' with the same DML statements as Figure 26:

```
--DML
select * from Employee_Details7
Update Employee_Details7 set FirstName='Laura' where EmployeeID=6
delete from Employee_Details7 where LastName='King'
select * from Employee_Details7
```

An error message is displayed in the status bar: 'Msg 547, Level 16, State 0, Line 5
The DELETE statement conflicted with the REFERENCE constraint "FK_EmployeesTerritories_Employees". The conflict occurred in database "Northwind".
The statement has been terminated.'

Figure 27: Figure 27

0.1.29 STEP 28

The screenshot shows the Microsoft SQL Server Management Studio interface. A query window titled "System Define Views" contains the following SQL code:

```
--System Define Views
select * from INFORMATION_SCHEMA.VIEW_TABLE_USAGE
where TABLE_NAME='Employees'
```

The results pane displays a table with the following data:

TABLE_CATALOG	TABLE_SCHEMA	VIEW_NAME	TABLE_CATALOG	TABLE_SCHEMA	TABLE_NAME
Northwind	dbo	Employee_Detail	Northwind	dbo	Employees
Northwind	dbo	Employee_Detail?	Northwind	dbo	Employees
Northwind	dbo	Employee_View?	Northwind	dbo	Employees
Northwind	dbo	Employee_View	Northwind	dbo	Employees
Northwind	dbo	Employee_ViewNew	Northwind	dbo	Employees
Northwind	dbo	Second_EmployeeView	Northwind	dbo	Employees

A status bar at the bottom indicates "Query executed successfully."

Figure 28: Figure 28

0.1.30 STEP 29

The screenshot shows the Microsoft SQL Server Management Studio interface. A query window titled "System Define Views" contains the following SQL code:

```
--System Define Views
select * from INFORMATION_SCHEMA.TABLE_CONSTRAINTS
where TABLE_NAME='Employees'
```

The results pane displays a table with the following data:

CONSTRAINT_CATALOG	CONSTRAINT_SCHEMA	CONSTRAINT_NAME	TABLE_CATALOG	TABLE_SCHEMA	TABLE_NAME	CONSTRAINT_TYPE	IS_DEFERRABLE	INITIALLY_DEFERRED
Northwind	dbo	PK_Employees	Northwind	dbo	Employees	PRIMARY KEY	NO	NO
Northwind	dbo	CK_Employee	Northwind	dbo	Employees	CHECK	NO	NO
Northwind	dbo	FK_Employees_Employees	Northwind	dbo	Employees	FOREIGN KEY	NO	NO

A status bar at the bottom indicates "Query executed successfully."

Figure 29: Figure 29

0.1.31 STEP 30

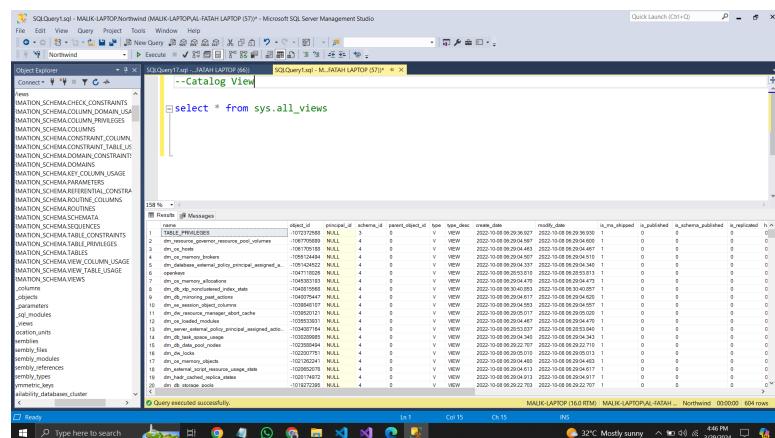


Figure 30: Figure 30

0.1.32 STEP 31

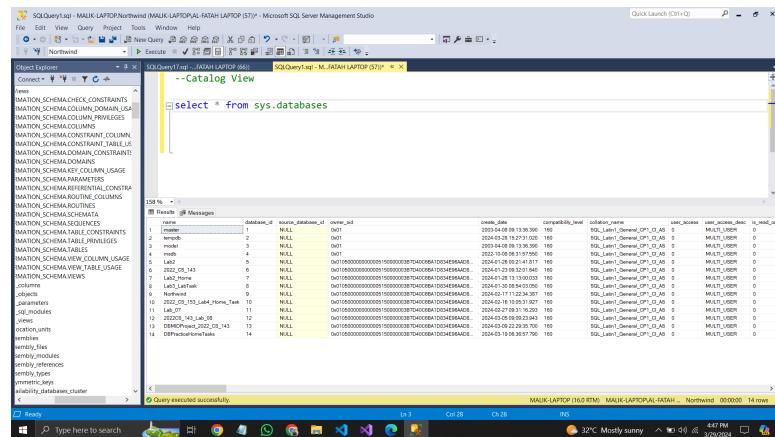


Figure 31: Figure 31