

LAB # 8

Views

1. Add a view called Managers in the Northwind database that shows only employees that supervise other employees.

Query

Select LastName,FirstName,EmployeeID from Employees E where Exists (Select * from Employees where ReportsTo = E.EmployeeID)

```
mf lab 8.sql - DESK...achi computer (51))* -> X
use Northwind
Select LastName,FirstName,EmployeeID from Employees E
where Exists (Select * from Employees where ReportsTo = E.EmployeeID)
```

Output

110 %

| | LastName | FirstName | EmployeeID |
|---|----------|-----------|------------|
| 1 | Fuller | Andrew | 2 |
| 2 | Buchanan | Steven | 5 |

2. Create Northwind view called "Products by Category" based on the columns CategoryName and ProductName.

Query

Select Categories.CategoryName,Products.ProductName from Categories,Products

```
mf lab 8.sql - DESK...achi computer (51))* -> X
use Northwind
Select Categories.CategoryName,Products.ProductName
from Categories,Products
```

Output

| | CategoryName | ProductName |
|----|--------------|---------------------------------|
| 1 | Beverages | Chai |
| 2 | Beverages | Chang |
| 3 | Beverages | Aniseed Syrup |
| 4 | Beverages | Chef Anton's Cajun Seasoning |
| 5 | Beverages | Chef Anton's Gumbo Mix |
| 6 | Beverages | Grandma's Boysenberry Spread |
| 7 | Beverages | Uncle Bob's Organic Dried Pears |
| 8 | Beverages | Northwoods Cranberry Sauce |
| 9 | Beverages | Mishi Kobe Niku |
| 10 | Beverages | Ikura |
| 11 | Beverages | Queso Cabrales |
| 12 | Beverages | Queso Manchego La Pastora |

3. Create a view that shows a table that list all the publishers and store names using pubs.

Query

```
SELECT DISTINCT stor_name, pub_name
FROM publishers INNER JOIN titles ON publishers.pub_id=titles.pub_id INNER JOIN
sales ON titles.title_id=sales.title_id INNER JOIN stores ON
sales.stor_id=stores.stor_id
```

```
mf lab 8.sql - DESK...achi computer (51)*
use pubs
SELECT DISTINCT stor_name, pub_name
FROM publishers INNER JOIN titles ON publishers.pub_id=titles.pub_id INNER JOIN
sales ON titles.title_id=sales.title_id INNER JOIN stores ON
sales.stor_id=stores.stor_id
```

Output

| | stor_name | pub_name |
|----|--------------------------------------|----------------------|
| 1 | Barnum's | Algodata Infosystems |
| 2 | Barnum's | New Moon Books |
| 3 | Bookbeat | Algodata Infosystems |
| 4 | Bookbeat | Binnet & Hardley |
| 5 | Doc-U-Mat: Quality Laundry and Books | Binnet & Hardley |
| 6 | Doc-U-Mat: Quality Laundry and Books | New Moon Books |
| 7 | Eric the Read Books | Algodata Infosystems |
| 8 | Eric the Read Books | New Moon Books |
| 9 | Fricative Bookshop | Algodata Infosystems |
| 10 | Fricative Bookshop | Binnet & Hardley |
| 11 | Fricative Bookshop | New Moon Books |
| 12 | News & Brews | Binnet & Hardley |
| 13 | News & Brews | New Moon Books |

4. Create a view that shows a table that list all the authors and store names using pubs.

Query

SELECT DISTINCT concat(au_fname,',',au_lname) as authorsname, stor_name

FROM authors INNER JOIN titleauthor

ON authors.au_id=titleauthor.au_id INNER JOIN sales

ON titleauthor.title_id=sales.title_id INNER JOIN stores

ON sales.stor_id=stores.stor_id

```
mf lab 8.sql - DESK...achi computer (51))* X
use pubs
SELECT DISTINCT concat(au_fname,',',au_lname) as authorsname, stor_name
FROM authors INNER JOIN titleauthor
ON authors.au_id=titleauthor.au_id INNER JOIN sales
ON titleauthor.title_id=sales.title_id INNER JOIN stores
ON sales.stor_id=stores.stor_id
```

Output

| | authorsname | stor_name |
|---|---------------|--------------------------------------|
| 1 | AbrahamBennet | Bookbeat |
| 2 | AbrahamBennet | Eric the Read Books |
| 3 | AkikoYokomoto | News & Brews |
| 4 | AlbertRinger | Barnum's |
| 5 | AlbertRinger | Doc-U-Mat: Quality Laundry and Books |
| 6 | AlbertRinger | Eric the Read Books |
| 7 | AlbertRinger | News & Brews |
| 8 | AnnDull | Barnum's |

5. Create a view the amount total amount spend by customers.

Query

Select top 99.9 percent(ContactName),SUM(quantity*unitprice)as total_price

from[Order Details]

INNER JOIN Orders on [Order Details].OrderID=Orders.OrderID

INNER JOIN Customers on Orders.CustomerID=Customers.CustomerID

group by ContactName

order by ContactName ASC

```
mf lab 8.sql - DESK...achi computer (51))* X
use Northwind

Select top 99.9 percent(ContactName),SUM(quantity*unitprice)as total_price
from[Order Details]
INNER JOIN Orders on [Order Details].OrderID=Orders.OrderID
INNER JOIN Customers on Orders.CustomerID=Customers.CustomerID
group by ContactName
order by ContactName ASC
```

Output

| | ContactName | total_price |
|----|--------------------|-------------|
| 1 | Alejandra Camino | 1467.29 |
| 2 | Alexander Feuer | 5042.20 |
| 3 | Ana Trujillo | 1402.95 |
| 4 | Anabela Domingues | 7310.62 |
| 5 | André Fonseca | 8702.23 |
| 6 | Ann Devon | 15033.66 |
| 7 | Annette Roulet | 10272.35 |
| 8 | Antonio Moreno | 7515.35 |
| 9 | Aria Cruz | 4438.90 |
| 10 | Art Braunschweiger | 12489.70 |

6. Create a view for customers shippers information.

Query

Select ContactName,ShipName,ShippedDate,ShipAddress,ShipCity

from Customers INNER JOIN Orders

on Customers.CustomerID=Orders.CustomerID

```
mf lab 8.sql - DESK...achi computer (51))* X
use Northwind

Select ContactName,ShipName,ShippedDate,ShipAddress,ShipCity
from Customers INNER JOIN Orders
on Customers.CustomerID=Orders.CustomerID
```

Output

| | ContactName | ShipName | ShippedDate | ShipAddress | ShipCity |
|----|------------------|---------------------------|-------------------------|--|----------------|
| 1 | Paul Henriot | Vins et alcools Chevalier | 1996-07-16 00:00:00.000 | 59 rue de l'Abbaye | Reims |
| 2 | Karin Josephs | Toms Spezialitäten | 1996-07-10 00:00:00.000 | Luisenstr. 48 | Münster |
| 3 | Mario Pontes | Hanari Carnes | 1996-07-12 00:00:00.000 | Rua do Paço, 67 | Rio de Janeiro |
| 4 | Mary Saveley | Victualles en stock | 1996-07-15 00:00:00.000 | 2, rue du Commerce | Lyon |
| 5 | Pascale Cartrain | Suprêmes délicies | 1996-07-11 00:00:00.000 | Boulevard Tirou, 255 | Charleroi |
| 6 | Mario Pontes | Hanari Carnes | 1996-07-16 00:00:00.000 | Rua do Paço, 67 | Rio de Janeiro |
| 7 | Yang Wang | Chop-suey Chinese | 1996-07-23 00:00:00.000 | Hauptstr. 31 | Bern |
| 8 | Michael Holz | Richter Supermarkt | 1996-07-15 00:00:00.000 | Starenweg 5 | Genève |
| 9 | Paula Parente | Wellington Importadora | 1996-07-17 00:00:00.000 | Rua do Mercado, 12 | Resende |
| 10 | Carlos Hernández | HILARION-Abastos | 1996-07-22 00:00:00.000 | Carrera 22 con Ave. Carlos Soublette #8-35 | San Cristóbal |
| 11 | Roland Mendel | Ernst Handel | 1996-07-23 00:00:00.000 | Kirchgasse 6 | Graz |

Stored procedures

7. Write a simple stored procedure name "CustomerRecord" that returns the desired Customer record from the Northwind database given a parameter of the CustomerID.

Query

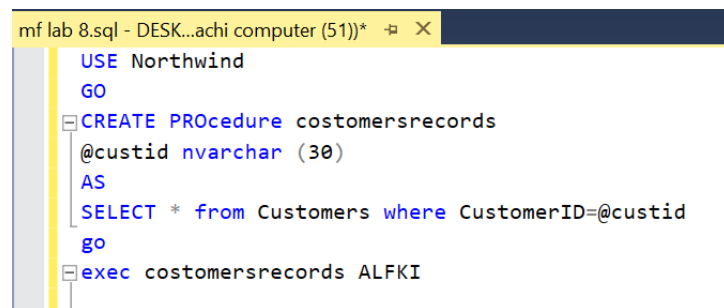
```
USE NorthwindGO
```

```
CREATE Procedure costumersrecords
```

```
@custid nvarchar (30)AS
```

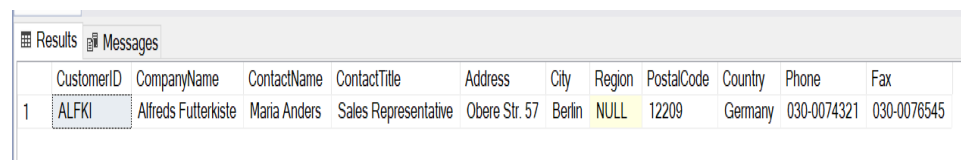
```
SELECT * from Customers where CustomerID=@custid go
```

```
exec costumersrecords ALFKI
```



```
USE Northwind
GO
CREATE PROCEDURE costumersrecords
@custid nvarchar (30)
AS
SELECT * from Customers where CustomerID=@custid
go
exec costumersrecords ALFKI
```

Output



| | CustomerID | CompanyName | ContactName | ContactTitle | Address | City | Region | PostalCode | Country | Phone | Fax |
|---|------------|---------------------|--------------|----------------------|---------------|--------|--------|------------|---------|-------------|-------------|
| 1 | ALFKI | Alfreds Futterkiste | Maria Anders | Sales Representative | Obere Str. 57 | Berlin | NULL | 12209 | Germany | 030-0074321 | 030-0076545 |

8. Write a stored procedure name "Territory" that accepts a Territory ID, Territory Description, and Region ID and inserts them as new row in the Territories table in Northwind.

Query

```
USE Northwind GO CREATE PROCEDURE Teritory AS SELECT TerritoryID,TerritoryDescription,RegionID
From dbo.Territories
```

```
mf lab 8.sql - DESK...achi computer (51))* X
USE Northwind
GO
CREATE PROCEDURE Territory
AS
SELECT TerritoryID,TerritoryDescription,RegionID
From dbo.Territories
```

Output

```
Messages
Commands completed successfully.
```

Query

insert into Territories

values (12,'red',34)

insert into Territories values (3, ' ed' , 4)




```
mf lab 8.sql - DESK...achi computer (51))* X
insert into Territories
values (12,'red',34)
insert into Territories
values ( 3, ' ed' , 4)
```

Output

```
Messages
(1 row affected)
```



Query

select * from Territories

```
mf lab 8.sql - DESK...achi computer (51))*   
```

```
select * from Territories
```

Output

|  Results | |  Messages | |
|---|-------------|--|----------|
| | TerritoryID | TerritoryDescription | RegionID |
| 1 | 01581 | Westboro | 1 |
| 2 | 01730 | Bedford | 1 |
| 3 | 01833 | Georgetow | 1 |
| 4 | 02116 | Boston | 1 |
| 5 | 02139 | Cambridge | 1 |
| 6 | 02184 | Braintree | 1 |
| 7 | 02903 | Providence | 1 |
| 8 | 03049 | Hollis | 3 |
| 9 | 03801 | Portsmouth | 3 |
| 10 | 06897 | Wilton | 1 |
| 11 | 07960 | Morristown | 1 |