



NOMBRE:

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MATRICULA

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MATERIA:

Electiva 1 (Big Data)

MAESTRO/A

Francis Ramírez

--Ventas Totales por Período (Año y Mes)

```
CREATE VIEW VentasTotalesPorPeriodo AS
SELECT YEAR(O.OrderDate) AS Año,
MONTH(O.OrderDate) AS Mes,
SUM(OD.UnitPrice * OD.Quantity * (1 - OD.Discount)) AS TotalVentas
FROM Orders O
INNER JOIN [Order Details] OD ON O.OrderID = OD.OrderID
GROUP BY YEAR(O.OrderDate), MONTH(O.OrderDate);
```

)

Results		Messages	
	Año	Mes	TotalVentas
1	1997	1	61258.0704631805
2	1996	8	25485.2749700546
3	1997	9	55629.2424850464
4	1998	5	18333.6305427551
5	1996	11	45600.0448436737
6	1997	12	71398.4285984039
7	1998	2	99415.2873382568
8	1997	7	51020.8575267792
9	1996	12	45239.6296958923
10	1996	9	26381.3999729156
11	1997	4	53032.9525184631
12	1997	10	66749.2258796692
13	1997	5	53781.2900390625
14	1997	11	43533.809015274
15	1998	3	104854.155029297
16	1997	8	47287.6703300476
17	1997	2	38483.6349811554
18	1996	10	37515.7251968384
19	1997	3	38547.2199964523
20	1998	1	64222.1105527878

Query executed successfully

--Ventas por Categoría de Producto

```
CREATE VIEW VentasPorCategoriaProducto AS
```

```
SELECT C.CategoryName AS Categoria,  
P.ProductName AS Producto,  
SUM(OD.UnitPrice * OD.Quantity * (1 - OD.Discount)) AS TotalVentas  
FROM Products P  
INNER JOIN Categories C ON P.CategoryID = C.CategoryID  
INNER JOIN [Order Details] OD ON P.ProductID = OD.ProductID  
INNER JOIN Orders O ON O.OrderID = OD.OrderID  
GROUP BY C.CategoryName, P.ProductName;
```

	Categoria	Producto	TotalVentas
1	Meat/Poultry	Thüringer Rostbratwurst	80368.6719970703
2	Beverages	Ipoh Coffee	23526.7001419067
3	Condiments	Original Frankfurter grüne Soße	9171.63000106812
4	Meat/Poultry	Mishi Kobe Niku	7226.5
5	Seafood	Gravad lax	2688.40000534058
6	Condiments	Grandma's Boysenberry Spread	7137
7	Confections	Sir Rodney's Scones	9104
8	Confections	Valkoinen suklaa	3437.6875
9	Dairy Products	Mascarpone Fabioli	8404.16003417969
10	Seafood	Konbu	4960.44002246857
11	Confections	Teatime Chocolate Biscuits	5862.61998462677
12	Beverages	Outback Lager	10672.6499938965
13	Grains/Cereals	Filo Mix	3232.94999504089
14	Beverages	Côte de Blaye	141396.735229492
15	Condiments	Northwoods Cranberry Sauce	12772
16	Confections	Tarte au sucre	47234.9699020386
17	Dairy Products	Queso Cabrales	12901.7700424194
18	Confections	NuNuCa Nuß-Nougat-Creme	3704.39995193481
19	Beverages	Laughing Lumberjack Lager	2396.80001831055
20	Confections	Scottish Longbread	8714

--Total de Ventas por Categoría

```
CREATE VIEW TotalVentasPorCategoria AS  
  
SELECT C.CategoryName AS Categoria,  
SUM(OD.UnitPrice * OD.Quantity * (1 - OD.Discount)) AS TotalVentas  
FROM Products P  
INNER JOIN Categories C ON P.CategoryID = C.CategoryID  
INNER JOIN [Order Details] OD ON P.ProductID = OD.ProductID  
INNER JOIN Orders O ON O.OrderID = OD.OrderID  
GROUP BY C.CategoryName;
```

Results		
Messages		
	CATEGORIA	TOTALVENTAS
1	Beverages	267868.180522919
2	Condiments	106047.084989548
3	Confections	167357.224831581
4	Dairy Products	234507.285217285
5	Grains/Cereals	95744.587474823
6	Meat/Poultry	163022.359088898
7	Produce	99984.5800685883
8	Seafood	131261.73742485

--Ventas por Región/País

--Ventas por Región/País

```
CREATE VIEW VentasPorRegionPais AS
SELECT C.Country AS PAIS,
SUM(OD.UnitPrice * OD.Quantity) AS VENTASTOTALES
FROM Orders O
JOIN Customers C ON O.CustomerID = C.CustomerID
JOIN [Order Details] OD ON O.OrderID = OD.OrderID
GROUP BY C.Country;
```

Results Messages		
	PAIS	VENTASTOTALES
1	Finland	19778.45
2	USA	263566.98
3	Italy	16705.15
4	Brazil	114968.48
5	Germany	244640.63
6	Switzerland	32919.50
7	Mexico	24073.45
8	Sweden	59523.70
9	Argentina	8119.10
10	Austria	139496.63
11	UK	60616.51
12	Poland	3531.95
13	Canada	55334.10
14	Ireland	57317.39
15	Norway	5735.15
16	France	85498.76
17	Belgium	35134.98
18	Spain	19431.89
19	Venezuela	60814.89

--Número de Pedidos Procesados por Empleado

--Número de Pedidos Procesados por Empleado

```
CREATE VIEW PedidosPorEmpleado AS
SELECT E.FirstName + ' ' + E.LastName AS EMPLEADO,
COUNT(O.OrderID) AS NUMEROPEDIDOS
FROM Orders O
JOIN Employees E ON O.EmployeeID = E.EmployeeID
GROUP BY E.FirstName, E.LastName;
```

133 %

Results Messages

	EMPLEADO	NUMEROPEDIDOS
1	Steven Buchanan	42
2	Laura Callahan	104
3	Nancy Davolio	123
4	Anne Dodsworth	43
5	Andrew Fuller	96
6	Robert King	72
7	Janet Leverling	127
8	Margaret Peacock	156
9	Michael Suyama	67

--Productividad de Empleados (Ventas por Empleado)

```
CREATE VIEW VentasPorEmpleado AS  
  
SELECT E.FirstName + ' ' + E.LastName AS EMPLEADO,  
SUM(OD.UnitPrice * OD.Quantity) AS VENTASTOTALES  
FROM Orders O  
JOIN Employees E ON O.EmployeeID = E.EmployeeID  
JOIN [Order Details] OD ON O.OrderID = OD.OrderID  
GROUP BY E.FirstName, E.LastName;
```

133 %

	EMPLEADO	VENTASTOTALES
1	Michael Suyama	78198.10
2	Margaret Peacock	250187.45
3	Janet Leverling	213051.30
4	Andrew Fuller	177749.26
5	Nancy Davolio	202143.71
6	Steven Buchanan	75567.75
7	Laura Callahan	133301.03
8	Anne Dodsworth	82964.00
9	Robert King	141295.99

--Clientes Atendidos por Empleado

--Clientes Atendidos por Empleado

CREATE VIEW ClientesAtendidosPorEmpleado AS

SELECT E.FirstName + ' ' + E.LastName AS EMPLEADO,
COUNT(DISTINCT O.CustomerID) AS CLIENTESATENDIDOS
FROM Orders O
JOIN Employees E ON O.EmployeeID = E.EmployeeID
GROUP BY E.FirstName, E.LastName;

	EMPLEADO	CLIENTESATENDIDOS
1	Steven Buchanan	29
2	Laura Callahan	56
3	Nancy Davolio	65
4	Anne Dodsworth	29
5	Andrew Fuller	59
6	Robert King	45
7	Janet Leverling	63
8	Margaret Peacock	75
9	Michael Suyama	43

--Productos Más Vendidos

```
--Productos Más Vendidos|
```

```
CREATE VIEW ProductosMasVendidos AS
```

```
SELECT P.ProductName AS PRODUCTO,  
SUM(OD.Quantity) AS CANTIDADVENDIDA
```

```
FROM [Order Details] OD
```

```
JOIN Products P ON OD.ProductID = P.ProductID
```

```
GROUP BY P.ProductName
```

```
ORDER BY CANTIDADVENDIDA DESC;
```

Results Messages

	PRODUCTO	CANTIDADVENDIDA
1	Camembert Pierrot	1577
2	Raclette Courdavault	1496
3	Gorgonzola Telino	1397
4	Gnocchi di nonna Alice	1263
5	Pavlova	1158
6	Rhönbräu Klosterbier	1155
7	Guaraná Fantástica	1125
8	Boston Crab Meat	1103
9	Tarte au sucre	1083
10	Flotemysost	1057
11	Chang	1057
12	Sir Rodney's Scones	1016
13	Jack's New England Clam Chowder	981
14	Lakkalikööri	981
15	Alice Mutton	978
16	Pâté chinois	903
17	Konbu	891
18	Manjimup Dried Apples	886
19	Steeleye Stout	883
20	Chai	828

--Productos Más Vendidos por Categoría

--Productos Más Vendidos por Categoría

```
CREATE VIEW ProductosMasVendidosPorCategoría AS
SELECT C.CategoryName AS CATEGORIA,
P.ProductName AS PRODUCTO,
SUM(OD.Quantity) AS CANTIDADVENDIDA
FROM [Order Details] OD
JOIN Products P ON OD.ProductID = P.ProductID
JOIN Categories C ON P.CategoryID = C.CategoryID
GROUP BY C.CategoryName, P.ProductName
ORDER BY CATEGORIA, CANTIDADVENDIDA DESC;
```

Results		Messages	
	CATEGORIA	PRODUCTO	CANTIDADVENDIDA
1	Beverages	Rhönbräu Klosterbier	1155
2	Beverages	Guaraná Fantástica	1125
3	Beverages	Chang	1057
4	Beverages	Lakkalikööri	981
5	Beverages	Steeleye Stout	883
6	Beverages	Chai	828
7	Beverages	Outback Lager	817
8	Beverages	Chartreuse verte	793
9	Beverages	Côte de Blaye	623
10	Beverages	Ipoh Coffee	580
11	Beverages	Sasquatch Ale	506
12	Beverages	Laughing Lumberjack Lager	184
13	Condiments	Original Frankfurter grüne Soße	791
14	Condiments	Louisiana Fiery Hot Pepper Sauce	745
15	Condiments	Sirop d'érable	603
16	Condiments	Gula Malacca	601
17	Condiments	Chef Anton's Cajun Seasoning	453
18	Condiments	Vegie-spread	445
19	Condiments	Northwoods Cranberry Sauce	372

--Total de Ventas por Transportista

```
CREATE VIEW TotalVentasPorTransportista AS  
  
SELECT S.CompanyName AS TRANSPORTISTA,  
SUM(OD.UnitPrice * OD.Quantity) AS VENTASTOTALES  
FROM Orders O  
JOIN Shippers S ON O.ShipVia = S.ShipperID  
JOIN [Order Details] OD ON O.OrderID = OD.OrderID  
GROUP BY S.CompanyName;
```

 Results  Messages

	TRANSPORTISTA	VENTASTOTALES
1	United Package	572724.58
2	Federal Shipping	407750.82
3	Speedy Express	373983.19

--Número de Órdenes Enviadas por Transportista

```
CREATE VIEW NumeroOrdenesEnviadasPorTransportista AS  
  
SELECT S.CompanyName AS TRANSPORTISTA,  
COUNT(O.OrderID) AS NUMEROORDENESEENVIADAS  
FROM Orders O  
JOIN Shippers S ON O.ShipVia = S.ShipperID  
GROUP BY S.CompanyName;
```

Results Messages

	TRANSPORTISTA	NUMEROORDENESEENVIADAS
1	Federal Shipping	255
2	Speedy Express	249
3	United Package	326

--Total de Ventas por Cliente

```
CREATE VIEW TotalVentasPorCliente AS  
  
SELECT C.CompanyName AS CLIENTE,  
SUM(OD.UnitPrice * OD.Quantity) AS VENTASTOTALES  
FROM Orders O  
JOIN Customers C ON O.CustomerID = C.CustomerID  
JOIN [Order Details] OD ON O.OrderID = OD.OrderID  
GROUP BY C.CompanyName;
```

Results Messages

	CLIENTE	VENTASTOTALES
1	Vaffeljernet	16643.80
2	Ottiles Käseladen	13157.50
3	Franchi S.p.A.	1545.70
4	Santé Gourmet	5735.15
5	Let's Stop N Shop	3490.02
6	Hungry Coyote Import Store	3063.20
7	Morgenstern Gesundkost	5042.20
8	HILARION-Abastos	23611.58
9	Ricardo Adocicados	12924.40
10	Pericles Comidas clásicas	4242.20
11	Wartian Herkku	16617.10
12	Rancho grande	2844.10
13	Cactus Comidas para llevar	1814.80
14	Lehmanns Marktstand	21282.02
15	Queen Cozinha	30226.10
16	Island Trading	6146.30
17	Océano Atlántico Ltda.	3460.20
18	Blauer See Delikatessen	3239.80
19	Folies gourmandes	11666.90
20	QUICK Stop	117492.20

--Número de Órdenes por Cliente

```
CREATE VIEW NumeroOrdenesPorCliente AS  
  
SELECT C.CompanyName AS CLIENTE,  
COUNT(O.OrderID) AS NUMEROORDENES  
FROM Orders O  
JOIN Customers C ON O.CustomerID = C.CustomerID  
GROUP BY C.CompanyName;
```

Results Messages		
	CLIENTE	NUMEROORDENES
1	Alfreds Futterkiste	6
2	Ana Trujillo Emparedados y helados	4
3	Antonio Moreno Taquería	7
4	Around the Horn	13
5	Berglunds snabbköp	18
6	Blauer See Delikatessen	7
7	Blondesddsl père et fils	11
8	Bólido Comidas preparadas	3
9	Bon app'	17
10	Bottom-Dollar Markets	14
11	B's Beverages	10
12	Cactus Comidas para llevar	6
13	Centro comercial Moctezuma	1
14	Chop-suey Chinese	8
15	Comércio Mineiro	5
16	Consolidated Holdings	3
17	Die Wandernde Kuh	10
18	Drachenblut Delikatessen	6
19	Du monde entier	4
20	Eastern Connection	6