



Las Americas Institute of Technology

Presentación

Nombre:

Delio Rodriguez

Docente:

Francis Ramirez

Matricula:

2023 – 1056

Materia:

Electiva 1

Crear las vistas para los indicadores

Ventas Totales por Período (Año y Mes)

```
--VENTAS TOTALES POR PERIODO (YEAR AND MONTH)
]CREATE VIEW VW_VentasTotalPorPeriodo AS
SELECT
YEAR(o.OrderDate) AS [YEAR],
MONTH(o.OrderDate) AS [MONTH],
SUM(OD.UnitPrice * OD.Quantity) AS VentasTotales
FROM
Orders o
JOIN
[Order Details] OD ON o.OrderID = OD.OrderID
GROUP BY
YEAR(o.OrderDate),MONTH(o.OrderDate);
```

	YEAR	MONTH	VentasTotales
1	1997	1	66692.80
2	1996	8	26609.40
3	1997	9	59733.02
4	1998	5	19898.66
5	1996	11	49704.00
6	1997	12	77476.26
7	1998	2	104561.95
8	1997	7	55464.93
9	1996	12	50953.40
10	1996	9	27636.00
11	1997	4	55699.39
12	1997	10	70328.50
13	1997	5	56823.70
14	1997	11	45913.36
15	1998	3	109825.45
16	1997	8	49981.69
17	1997	2	41207.20
18	1996	10	41203.60
19	1997	3	39979.90
20	1998	1	100854.72
21	1997	6	39088.00
22	1996	7	30192.10
23	1998	4	134630.56

Ventas por Categoría de Producto

```
--VENTAS POR CATEGORIA DE PRODUCTOS
]CREATE VIEW VW_VentasPorCategoria AS
SELECT
c.CategoryName AS CATEGORIA,
SUM(OD.UnitPrice * OD.Quantity) AS VENTASTOTALES
FROM
[Order Details] OD

JOIN
[Products] p ON OD.ProductID = P.ProductID

JOIN
[Categories] c ON P.CategoryID = c.CategoryID

GROUP BY
c.CategoryName;
```

	CATEGORIA	VENTASTOTALES
1	Beverages	286526.95
2	Condiments	113694.75
3	Confections	177099.10
4	Dairy Prod...	251330.50
5	Grains/Cer...	100726.80
6	Meat/Poultry	178188.80
7	Produce	105268.60
8	Seafood	141623.09

Total de Ventas por Categoría

```
--TOTAL DE VENTAS POR CATEGORIA
```

```
CREATE VIEW VW_TOTALVENTASPORCATEGORIA AS
SELECT

C.CategoryName AS CATEGORIA,
COUNT(OD.OrderID) AS TOTALVENTAS
FROM
[Order Details] OD

JOIN
Products P ON OD.ProductID = P.CategoryID
JOIN
Categories C ON P.CategoryID = C.CategoryID
GROUP BY
C.CategoryName
```

	CATEGORIA	TOTALVENTAS
1	Beverages	456
2	Condiments	528
3	Confections	156
4	Dairy Products	200
5	Grains/Cereals	70
6	Meat/Poultry	72
7	Produce	145
8	Seafood	156

Ventas por Región/País

--VENTAS POR REGION/PAIS

```
CREATE VIEW VW_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
```

	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
20	Denmark	34782.25
21	Portugal	12468.65

Número de Pedidos Procesados por Empleado

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

	EmployeeID	EMPLEADO	PEDIDOSPROCESADOS
1	1	Nancy Davolio	123
2	2	Andrew Fuller	96
3	3	Janet Leverl...	127
4	4	Margaret Pe...	156
5	5	Steven Buch...	42
6	6	Michael Suy...	67
7	7	Robert King	72
8	8	Laura Callah...	104
9	9	Anne Dodsw...	43

Productividad de Empleados (Ventas por Empleado)

```
CREATE VIEW VW_PRODUCTIVIDADPOREMPLADO AS
SELECT
E.EmployeeID,
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.EmployeeID, E.FirstName, E.LastName
```

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

Clientes Atendidos por Empleado

```
CREATE VIEW VW_CLIENTESATENDIDOSPOREMPLEADO AS
SELECT
E.EmployeeID,
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.EmployeeID, E.FirstName, E.LastName
```

	EmployeeID	EMPLEADO	CLIENTESATENDIDOS
1	1	Nancy Davolio	65
2	2	Andrew Fuller	59
3	3	Janet Leverl...	63
4	4	Margaret Pe...	75
5	5	Steven Buch...	29
6	6	Michael Suy...	43
7	7	Robert King	45
8	8	Laura Callah...	56
9	9	Anne Dodsw...	29

Productos Más Vendidos

```
CREATE VIEW vw_ProductosMasVendidos AS
SELECT
    P.ProductID,
    P.ProductName AS Producto,
    SUM(OD.Quantity) AS UnidadesVendidas
FROM
    [Order Details] OD
JOIN
    Products P ON OD.ProductID = P.ProductID
GROUP BY
    P.ProductID, P.ProductName;
```

	ProductID	Producto	UnidadesVendidas
1	23	Tunnbröd	580
2	46	Spegesild	548
3	69	Gudbrandsdalsost	714
4	29	Thüringer Rostbratwurst	746
5	75	Rhönbräu Klosterbier	1155
6	15	Genen Shouyu	122
7	9	Mishi Kobe Niku	95
8	3	Aniseed Syrup	328
9	52	Filo Mix	500
10	72	Mozzarella di Giovanni	806
11	66	Louisiana Hot Spiced Okra	239
12	32	Mascarpone Fabioli	297
13	26	Gumbär Gummibärchen	753
14	12	Queso Manchego La Pa...	344
15	35	Steeleye Stout	883
16	63	Veggie-spread	445
17	6	Grandma's Boysenberry ...	301
18	55	Pâté chinois	903
19	43	Ipoh Coffee	580
20	49	Maxilaku	520
21	67	Laughing Lumberjack La...	184
22	27	Schoggi Schokolade	365
23	21	Sir Rodney's Scones	1016
24	58	Escargots de Bourgogne	534
25	64	Wimmers gute Semmelk...	740
26	38	Côte de Blaye	623
27	7	Uncle Bob's Organic Dri...	763
28	44	Gula Malacca	601
29	1	Chai	828
30	50	Valkoinen suklaa	235
31	24	Guaraná Fantástica	1125
32	47	Zaanse koeken	485
33	70	Outback Lager	817
34	30	Nord-Ost Matjeshering	612
35	18	Carnarvon Tigers	539
36	10	Ikura	742
37	61	Sirop d'érable	603
38	41	Jack's New England Cl...	981

Productos Más Vendidos por Categoría

```
CREATE VIEW vw_ProductosMasVendidosPorCategoria AS
SELECT
    C.CategoryName AS Categoria,
    P.ProductName AS Producto,
    SUM(OD.Quantity) AS UnidadesVendidas
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;
```

	Categoria	Producto	UnidadesVendidas
1	Meat/Poultry	Thüringer Rostbratwurst	746
2	Beverages	Ipoh Coffee	580
3	Condiments	Original Frankfurter grüne Soße	791
4	Meat/Poultry	Mishi Kobe Niku	95
5	Seafood	Gravad lax	125
6	Condiments	Grandma's Boysenberry Spread	301
7	Confections	Sir Rodney's Scones	1016
8	Confections	Valkoinen suklaa	235
9	Dairy Prod...	Mascarpone Fabioli	297
10	Seafood	Konbu	891
11	Confections	Teatime Chocolate Biscuits	723
12	Beverages	Outback Lager	817

Total de Ventas por Transportista

```
CREATE VIEW vw_TotalVentasPorTransportista AS
SELECT
    S.ShipperID,
    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.ShipperID, S.CompanyName;
```

	ShipperID	Transportista	VentasTotales
1	3	Federal Shipping	407750.82
2	1	Speedy Express	373983.19
3	2	United Package	572724.58

Número de Órdenes Enviadas por Transportista

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


	ShipperID	Transportista	NumeroDeOrdenes
1	1	Speedy Express	249
2	2	United Package	326
3	3	Federal Shippi...	255

Total de Ventas por Cliente

```
CREATE VIEW vw_TotalVentasPorCliente AS
SELECT
    C.CustomerID,
    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.CustomerID, C.CompanyName;
```

	CustomerID	Cliente	VentasTotales
1	BLONP	Blondesddsl père et fils	19088.00
2	SEVES	Seven Seas Imports	17172.05
3	OLDWO	Old World Delicatessen	16325.15
4	THEBI	The Big Cheese	3361.00
5	FRANS	Franchi S.p.A.	1545.70
6	MAGAA	Magazzini Alimentari Riuniti	7603.85
7	SIMOB	Simons bistro	18138.45
8	ALFKI	Alfreds Futterkiste	4596.20
9	FAMIA	Familia Arquibaldo	4438.90
10	LAZYK	Lazy K Kountry Store	357.00
11	GROSR	GROSELLA-Restaurante	1488.70
12	FOLKO	Folk och få HB	32555.55
13	CHOPS	Chop-suey Chinese	12886.30
14	ERNSH	Ernst Handel	113236.68
15	FRANK	Frankenversand	28722.71
16	HILAA	HILARION-Abastos	23611.58
17	CENTC	Centro comercial Moctez...	100.80
18	ISLAT	Island Trading	6146.30
19	GOURL	Gourmet Lanchonetes	8702.23
20	BERGS	Berglunds snabbköp	26968.15
21	LEHMS	Lehmanns Marktstand	21282.02
22	DRACD	Drachenblut Delikatessen	3763.21
23	VAFFE	Vaffeljernet	16643.80

Número de Órdenes por Cliente

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

	CustomerID	Cliente	NumeroDeOrdenes
1	ALFKI	Alfreds Futterkiste	6
2	ANATR	Ana Trujillo Emp...	4
3	ANTON	Antonio Moreno...	7
4	AROUT	Around the Horn	13
5	BERGS	Berglunds snab...	18
6	BLAUS	Blauer See Deli...	7
7	BLONP	Blondesddsl pèr...	11
8	BOLID	Bólido Comidas ...	3
9	BONAP	Bon app'	17
10	BOTTM	Bottom-Dollar M...	14
11	BSBEV	B's Beverages	10
12	CACTU	Cactus Comidas...	6
13	CENTC	Centro comercia...	1
14	CHOPS	Chop-suey Chin...	8
15	COMMI	Comércio Mineiro	5
16	CONSH	Consolidated H...	3
17	DRACD	Drachenblut Del...	6
18	DUMON	Du monde entier	4
19	EASTC	Eastern Connec...	8
20	ERNSH	Ernst Handel	30
21	FAMIA	Familia Arquibal...	7
22	FOLIG	Folies gourman...	5
23	FOLKO	Folk och fä HB	19
24	FRANK	Frankenversand	15
25	FRANS	Fransiska	2