

Laboratorio # 4

1. Devolver nombre completo, total de factura (sumando subtotal, impuesto y flete) y dirección de envío de las órdenes de venta registradas.

```
SELECT C.FirstName + ' ' + isnull(C.MiddleName, '') + ' ' + C.LastName AS
[NombreCompleto],
SOH.SubTotal + SOH.TaxAmt + SOH.Freight AS [Total de factura],
A.AddressLine1 + isnull(A.AddressLine2, '') AS [Dirección de envío]
FROM SalesLT.Customer C inner join SalesLT.CustomerAddress CA
ON C.CustomerID = CA.CustomerID
inner join SalesLT.Address A
ON CA.AddressID = A.AddressID
inner join SalesLT.SalesOrderHeader SOH
ON C.CustomerID = SOH.CustomerID and A.AddressID = SOH.BillToAddressID
```

	NombreCompleto	Total de factura	Dirección de envío
1	David Hodgson	972.785	99700 Bell Road
2	Andrea A. Thomsen	87.0851	251 The Metro Center
3	Raja D. Venugopal	42452.6519	Burgess HillEdward Way
4	Catherine R. Abel	43962.7901	57251 Serene Blvd
5	Kevin Liu	92663.5609	9992 Whipple Rd
6	Terry Eminhizer	119960.824	Warrington Ldc Unit 25/2
7	Anthony Chor	63686.2708	Riverside
8	Jon Grande	86222.8072	Galashiels
9	Michael John R. Troyer	1261.444	Oxnard Outlet
10	Joseph P. Mitzner	3754.9733	123 Camelia Avenue
11	Matthew J. Miller	2228.0566	Wymbush
12	Pamala M. Kotc	39531.6085	Garamonde Drive, WymbushPO Box 4023
13	Frank Campbell	45992.3665	251340 E. South St.
14	Roger Van Houten	2711.4098	Internet House, 3399 Science Park
15	Vassar J. Stern	665.4251	25130 South State Street
16	Pei Chow	15275.1977	4660 Rodeo Road
17	Walter J. Mays	3673.3249	Po Box 252525
18	Brigid F. Cavendish	1170.5376	Banbury
19	Richard A. Byham	608.1766	Knaves Beech Ind.
20	Walter J. Brian	272.6468	25136 Jefferson Blvd.
21	Joyce Jarvis	14017.9083	955 E. County Line Rd.
22	Rebecca Laszlo	70698.9922	Phoenix Way, Cirencester
23	Donald L. Blanton	2669.3183	Corporate Office
24	Jeffrey Kurtz	81834.9826	Receiving
25	Rosmarie J. Carroll	2361.6403	39933 Mission Oaks Blvd
26	Linda Mitchell	45.1995	New Millhouse, 2583 Milton Park
27	Melissa R. Marple	3293.7761	603 Gellert Blvd
28	Guy Gilbert	117.7276	Vista Marketplace
29	Cory K. Booth	7330.8972	Eastern Beltway Center
30	Krishna Sunkammur...	108597.9536	Paramount House
31	Christopher R. Beck	98138.2131	93-2501, Blackfriars Road,
32	Janeth Esteves	43.0437	6 The Farm, Liberty Road

2. Mostrar todas las direcciones listadas para la empresa "Friendly Bike Shop".

```
SELECT CompanyName, city, stateprovince, Countryregion
FROM SalesLT.Address, SalesLT.Customer
WHERE CompanyName LIKE 'Friendly Bike Shop'
```

	CompanyName	city	stateprovince	Countryregion
1	Friendly Bike Shop	Ottawa	Ontario	Canada
2	Friendly Bike Shop	Burnaby	British Columbia	Canada
3	Friendly Bike Shop	Seattle	Washington	United States
4	Friendly Bike Shop	Joliet	Illinois	United States
5	Friendly Bike Shop	Oxnard	California	United States
6	Friendly Bike Shop	Peoria	Illinois	United States
7	Friendly Bike Shop	Irving	Texas	United States
8	Friendly Bike Shop	Bothell	Washington	United States
9	Friendly Bike Shop	Port Orchard	Washington	United States
10	Friendly Bike Shop	Austin	Texas	United States
11	Friendly Bike Shop	Denver	Colorado	United States
12	Friendly Bike Shop	Montreal	Quebec	Canada
13	Friendly Bike Shop	Garland	Texas	United States
14	Friendly Bike Shop	Federal Way	Washington	United States
15	Friendly Bike Shop	Seattle	Washington	United States
16	Friendly Bike Shop	Albany	Oregon	United States
17	Friendly Bike Shop	San Diego	California	United States
18	Friendly Bike Shop	Idaho Falls	Idaho	United States
19	Friendly Bike Shop	Toronto	Ontario	Canada
20	Friendly Bike Shop	North Las ...	Nevada	United States
21	Friendly Bike Shop	San Antonio	Texas	United States
22	Friendly Bike Shop	Houston	Texas	United States
23	Friendly Bike Shop	Lynnwood	Washington	United States
24	Friendly Bike Shop	Toronto	Ontario	Canada
25	Friendly Bike Shop	Toronto	Ontario	Canada
26	Friendly Bike Shop	London	England	United King...
27	Friendly Bike Shop	Chicago	Illinois	United States
28	Friendly Bike Shop	Mississauga	Ontario	Canada
29	Friendly Bike Shop	El Segundo	California	United States

3. Mostrar cantidad de producto, nombre del producto y precio de lista de la orden de compra generada para el cliente con ID 29929 (Extra: ¿Cuántos productos compró?)

```
Select OrderQty AS [Cantidad de producto], P.Name AS [Nombre del producto],
P.ListPrice AS [Precio de lista]
From SalesLT.SalesOrderHeader SOH
inner join SalesLT.SalesOrderDetail SOD
ON SOH.SalesOrderID = SOD.SalesOrderID
inner join SalesLT.Product P
ON SOD.ProductID = P.ProductID
WHERE SOH.CustomerID = 29929
```

	Cantidad de producto	Nombre del producto	Precio de lista
1	5	Mountain-200 Silver, 42	2319.99
2	2	Mountain-400-W Silver, 40	769.49
3	1	ML Mountain Frame-W - Silver, 40	364.09
4	1	Mountain-500 Silver, 48	564.99
5	7	Mountain-200 Black, 42	2294.99
6	5	Mountain-200 Silver, 46	2319.99
7	2	Half-Finger Gloves, M	24.49
8	7	Women's Mountain Shorts, L	69.99
9	2	LL Mountain Seat/Saddle	27.12
10	3	AWC Logo Cap	8.99

4. Mostrar el nombre de la compañía donde laboran todos los clientes que tengan una dirección en la ciudad de Dallas.

```
SELECT CompanyName
FROM SalesLT.Customer, SalesLT.Address
WHERE city LIKE 'Dallas'
```

	CompanyName
1	A Bike Store
2	Progressive Sports
3	Advanced Bike Components
4	Modular Cycle Systems
5	Metropolitan Sports Supply
6	Aerobic Exercise Company
7	Associated Bikes
8	Rural Cycle Emporium
9	Sharp Bikes
10	Bikes and Motorbikes
11	Bulk Discount Store
12	Catalog Store
13	Center Cycle Shop
14	Central Discount Store
15	Chic Department Stores
16	Travel Systems
17	Bike World

5. ¿Cuántos artículos con precio de lista mayor a \$1,000 se han vendido?

```
SELECT SUM(OrderQty) as [Total de artículos]
FROM SalesLT.SalesOrderDetail SOD
inner join SalesLT.Product P
ON SOD.ProductID = P.ProductID
WHERE P.ListPrice > 1000
```

	Total de artículos
1	508

6. Mostrar el nombre de la compañía de aquellos clientes con compras mayores de \$100,000.

```
SELECT CompanyName
FROM SalesLT.Customer C inner Join SalesLT.SalesOrderHeader SOH
ON C.CustomerID = SOH.CustomerID
WHERE SubTotal > 100000
```

	CompanyName
1	Action Bicycle Specialists

7. ¿Cuántas calcetas de competencia ('Racing Socks, L') ha comprado la empresa 'Riding Cycles'?

```
SELECT SUM(OrderQty) AS [cantidad de producto]
FROM SalesLT.Product P inner Join SalesLT.SalesOrderDetail SOD
ON P.ProductID =SOD.ProductID
inner Join SalesLT.SalesOrderHeader SOH
ON SOD.SalesOrderID = SOH.SalesOrderID
inner Join SalesLT.Customer C
ON SOH.CustomerID = C.CustomerID
WHERE Name like 'Racing Socks, L' And CompanyName like 'Riding Cycles'
```

	cantidad de producto
1	3

8. Una orden de producto único (OPU) es aquella donde el cliente compró un sólo artículo.
Muestre el número de orden y el precio unitario de cada OPU.

```
SELECT SalesLT.SalesOrderHeader.SalesOrderNumber, SalesLT.SalesOrderDetail.UnitPrice
FROM SalesLT.SalesOrderHeader
INNER JOIN SalesLT.Customer
ON SalesLT.SalesOrderHeader.CustomerID = SalesLT.Customer.CustomerID
INNER JOIN SalesLT.SalesOrderDetail
ON SalesLT.SalesOrderHeader.SalesOrderID = SalesLT.SalesOrderDetail.SalesOrderID
INNER JOIN SalesLT.Product
ON SalesLT.SalesOrderDetail.ProductID = SalesLT.Product.ProductID
GROUP BY SalesLT.SalesOrderHeader.SalesOrderNumber,
SalesLT.SalesOrderDetail.UnitPrice
HAVING COUNT(SalesLT.SalesOrderDetail.ProductID) = 1
```

	SalesOrderNumber	UnitPrice
1	S071783	1.374
2	S071784	1.374
3	S071797	1.374
4	S071784	2.8942
5	S071797	2.8942
6	S071782	2.994
7	S071783	2.994
8	S071902	2.994
9	S071923	2.994
10	S071938	2.994
11	S071797	4.3725
12	S071782	4.77
13	S071783	4.77
14	S071784	4.77
15	S071858	4.77
16	S071902	4.77
17	S071938	4.77

9. Use la columna de SubTotal en la tabla SalesOrderHeader para listar las órdenes de mayor a menor. Para cada orden de compra muestre el nombre de la compañía, el subtotal y el peso total de la orden.

```

SELECT SubTotal,CompanyName, SUM(Weight) AS [Weight]
FROM SalesLT.Customer C
INNER JOIN SalesLT.SalesOrderHeader SH
ON C.CustomerID = SH.CustomerID
INNER JOIN SalesLT.SalesOrderDetail SD
ON SD.SalesOrderID = SH.SalesOrderID
INNER JOIN SalesLT.Product SP
ON SD.ProductID = SP.ProductID
GROUP BY (C.CompanyName) , (SH.SubTotal), SD.SalesOrderID
ORDER BY SH.SubTotal DESC

```

	SubTotal	CompanyName	Weight
1	108561.8317	Action Bicycle Specialists	210102.90
2	98278.691	Metropolitan Bicycle Supply	160097.40
3	88812.8625	Bulk Discount Store	144121.69
4	83858.4261	Eastside Department Store	96440.30
5	78029.6898	Riding Cycles	103117.15
6	74058.8078	Many Bikes Store	236611.83
7	63980.9884	Instruments and Parts Company	241273.48
8	57634.6342	Extreme Riding Supplies	157114.51
9	41622.0511	Trailblazing Sports	92417.13
10	39785.3304	Professional Sales and Service	205195.49
11	38418.6895	Nearby Cycle Shop	204536.65
12	35775.2113	Closest Bicycle Store	141112.97
13	13823.7083	Thrilling Bike Tours	127056.40
14	12685.8899	Paints and Solvents Company	48075.50
15	6634.2961	Remarkable Bike Store	23730.33
16	3398.1659	Engineered Bike Systems	37420.66
17	3324.2759	Sports Products Store	25544.69
18	2980.7929	Discount Tours	14599.56
19	2453.7645	Sports Store	25997.05
20	2415.6727	Coalition Bike Company	27876.66
21	2137.231	Aerobic Exercise Company	2656.02
22	2016.3408	Tachometers and Accessories	10591.33
23	1141.5782	Thrifty Parts and Sales	2131.88
24	1059.31	Vigorous Sports Store	1043.26
25	880.3484	Good Toys	2050.23
26	602.1946	Transport Bikes	13301.08
27	550.386	Channel Outlet	NULL

10. ¿Cuántos productos en la categoría 'Cranksets' se han vendido a una dirección registrada en Londres?

```
SELECT COUNT(*) AS [Productos]
FROM SalesLT.ProductCategory SPC
INNER JOIN SalesLT.Product SP
ON SP.ProductCategoryID = SPC.ProductCategoryID
INNER JOIN SalesLT.SalesOrderDetail SD
ON SD.ProductID = SP.ProductID
INNER JOIN SalesLT.SalesOrderHeader SH
ON SH.SalesOrderID = SD.SalesOrderID
INNER JOIN SalesLT.Address SA
ON SA.AddressID = SH.ShipToAddressID
WHERE City = 'London' AND SPC.Name = 'Cranksets'
```

	Productos
1	2