

# Taller Práctico de SQL con AdventureWorksLT2019

## 1. Exploración de Datos:

a. Realiza una consulta para mostrar los primeros 20 registros de la tabla 'SalesLT.Customer'.

Imagen # 1. Microsoft SQL Server Management Studio.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor at the top contains the following SQL code:

```
USE AdventureWorksLT2017; -- I specify the database, I want to use.

SELECT TOP 20 *
FROM SalesLT.Customer; -- Retrieve the first 20 records from the Customer table.
```

The Results pane below the query editor displays the first 20 records of the SalesLT.Customer table. The columns are: CustomerID, NameStyle, Title, FirstName, MiddleName, LastName, Suffix, CompanyName, SalesPerson, EmailAddress, Phone, and PasswordHash. The data is as follows:

CustomerID	NameStyle	Title	FirstName	MiddleName	LastName	Suffix	CompanyName	SalesPerson	EmailAddress	Phone	PasswordHash
1	0	Mr.	Orlando	N.	Gee	NULL	A Bike Store	adventure-works\pamela0	orlando0@adventure-works.com	245-555-0173	L/Rlwzxp4w7RWmEgXX+/A7cXaePEPcp+KwQhI2
2	0	Mr.	Keith	NULL	Harris	NULL	Progressive Sports	adventure-works\david8	keith0@adventure-works.com	170-555-0127	YPdtRdvqeAhy6wyxESfshBDNXkCXn+CRgbvJlt
3	0	Ms.	Donna	F.	Carreras	NULL	Advanced Bike Components	adventure-works\jillian0	donna0@adventure-works.com	279-555-0130	LNoK27abGQo48gGue3EBV/UHYSYoV0/s87dCR
4	0	Ms.	Janet	M.	Gates	NULL	Modular Cycle Systems	adventure-works\jillian0	janet1@adventure-works.com	710-555-0173	BlzTpSnbUW1Uk+L5cWfR7MF6nBZa8WpmGaQf
5	0	Mr.	Lucy	NULL	Harrington	NULL	Metropolitan Sports Supply	adventure-works\shu0	lucy0@adventure-works.com	828-555-0186	KlqV15wsX3PG8TS5GSddp6LFVdd3CoRtZMfAP
6	0	Ms.	Rosmarie	J.	Carroll	NULL	Aerobic Exercise Company	adventure-works\linda3	rosmarie0@adventure-works.com	244-555-0112	OKT0scizCdIzymHH0TyJKQICfCILSooS28dQ2Y34
7	0	Mr.	Dominic	P.	Gash	NULL	Associated Bikes	adventure-works\shu0	dominic0@adventure-works.com	192-555-0173	ZocoP/JZGQm+Xpzc7RKwDhS11FYfNybwcPVRYT
8	0	Ms.	Kathleen	M.	Garza	NULL	Rural Cycle Emporium	adventure-works\josé1	kathleen0@adventure-works.com	150-555-0127	Qa3aMCxNbVLGrc0b99KsbQqjGwYDfHxK9GZS
9	0	Ms.	Katherine	NULL	Harding	NULL	Sharp Bikes	adventure-works\josé1	katherine0@adventure-works.com	926-555-0159	uRlorVzDGNJIX9I+ehTIRK+it4UKRgWhApJgUMC
10	0	Mr.	Johnny	A.	Caprio	Jr.	Bikes and Motorbikes	adventure-works\garrett1	johnny0@adventure-works.com	112-555-0191	gF9BoFYeJTaET7x+eJDKd7Bz15W09dbGPBa
11	0	Mr.	Christopher	R.	Beck	Jr.	Bulk Discount Store	adventure-works\jae0	christopher1@adventure-works.com	1 (11) 500 555-0132	sRt9daCzEEKWazivEGPOp8tma1MR3l+aJfCbjzRl
12	0	Mr.	David	J.	Liu	NULL	Catalog Store	adventure-works\micha0	david20@adventure-works.com	440-555-0132	61zeTkO+eI5g8GG0wny8Wp/6GzZMFn71fnW4
13	0	Mr.	John	A.	Beaver	NULL	Center Cycle Shop	adventure-works\pamela0	john8@adventure-works.com	521-555-0195	DzbqWX7B3EK5Dub92CKHY5UGKGBZCbrVDPv
14	0	Ms.	Jean	P.	Handley	NULL	Central Discount Store	adventure-works\david8	jean1@adventure-works.com	582-555-0113	o1GV03vExeNzo0/ctdRGf2eDK3uzTicUbr18N+Sf
15	0	N...	Jinghao	NULL	Liu	NULL	Chic Department Stores	adventure-works\jillian0	jinghao1@adventure-works.com	928-555-0116	laD5AeqK9mRilrJt/etZGV06EybLf/okaA2CqpoJ0
16	0	Ms.	Linda	E.	Burnett	NULL	Travel Systems	adventure-works\jillian0	linda4@adventure-works.com	121-555-0121	23AwhujCoXYSYN/B+G8Z9k36w35EbdLTak7M
17	0	Mr.	Kevin	NULL	Hanif	NULL	Bike World	adventure-works\shu0	kevin0@adventure-works.com	216-555-0122	dOWSjosAd7Y3XOWjNkAoTCICb50vwwPuAawOS11
18	0	Mr.	Kevin	NULL	Liu	NULL	Eastside Department Store	adventure-works\linda3	kevin5@adventure-works.com	926-555-0164	yITpkiOHLKghNjS0/k10eOH0sWQMhnbuOCp+I
19	0	Mr.	Donald	L.	Blanton	NULL	Coalition Bike Company	adventure-works\shu0	donald0@adventure-works.com	357-555-0161	pKYDeLLBOZM098BzhMxSzzE0gUYKx9dXzYT
20	0	Ms.	Jackie	E.	Blackwell	NULL	Commuter Bicycle Store	adventure-works\josé1	jackie0@adventure-works.com	972-555-0163	wqh9Kf0Tf4Z03cb6FwsFzvG/yCvYatYh3AuwjRt

Imagen # 2. Azure Data Studio.

The screenshot shows the Azure Data Studio interface. The query editor at the top contains the following SQL code:

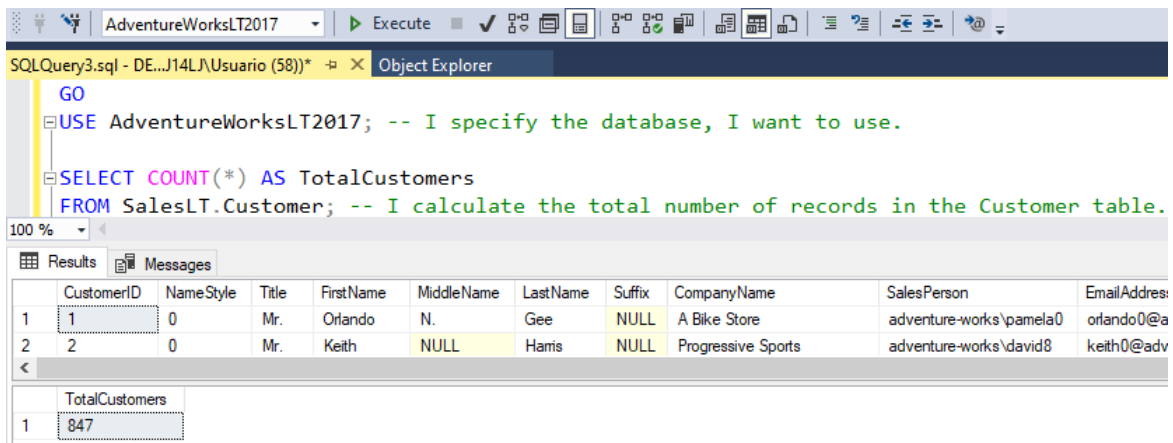
```
SELECT TOP 20 *
FROM SalesLT.Customer; -- Retrieve the first 20 records from the Customer table
```

The Results pane below the query editor displays the first 20 records of the SalesLT.Customer table. The columns are: CustomerID, NameStyle, Title, FirstName, MiddleName, LastName, Suffix, CompanyName, SalesPerson, EmailAddress, and PasswordHash. The data is as follows:

CustomerID	NameStyle	Title	FirstName	MiddleName	LastName	Suffix	CompanyName	SalesPerson	EmailAddress
1	0	Mr.	Orlando	N.	Gee	NULL	A Bike Store	adventure-works\pamela0	orlando0@adventure-works.com
2	0	Mr.	Keith	NULL	Harris	NULL	Progressive Sports	adventure-works\david8	keith0@adventure-works.com
3	0	Ms.	Donna	F.	Carreras	NULL	Advanced Bike Com.	adventure-works\jillia	donna0@adventure-works.com
4	0	Ms.	Janet	M.	Gates	NULL	Modular Cycle Sys.	adventure-works\jillia	janet1@adventure-works.com
5	0	Mr.	Lucy	NULL	Harrington	NULL	Metropolitan Spor.	adventure-works\shu0	lucy0@adventure-works.com
6	0	Ms.	Rosmarie	J.	Carroll	NULL	Aerobic Exercise	adventure-works\linda3	rosmarie0@adventure-works.c
7	0	Mr.	Dominic	P.	Gash	NULL	Associated Bikes	adventure-works\shu0	dominic0@adventure-works.com
8	0	Ms.	Kathleen	M.	Garza	NULL	Rural Cycle Empor.	adventure-works\josé1	kathleen0@adventure-works.c
9	0	Ms.	Katherine	NULL	Harding	NULL	Sharp Bikes	adventure-works\josé1	katherine0@adventure-works..
10	0	Mr.	Johnny	A.	Caprio	Jr.	Bikes and Motorbi.	adventure-works\garret.	johnny0@adventure-works.com
11	0	Mr.	Christopher	R.	Beck	Jr.	Bulk Discount Sto.	adventure-works\jae0	christopher1@adventure-work.
12	0	Mr.	David	J.	Liu	NULL	Catalog Store	adventure-works\micha.	david20@adventure-works.com
13	0	Mr.	John	A.	Beaver	NULL	Center Cycle Shop	adventure-works\pamela0	john8@adventure-works.com
14	0	Ms.	Jean	P.	Handley	NULL	Central Discount	adventure-works\david8	jean1@adventure-works.com
15	0	NULL	Jinghao	NULL	Liu	NULL	Chic Department S.	adventure-works\jillia	jinghao1@adventure-works.com
16	0	Ms.	Linda	E.	Burnett	NULL	Travel Systems	adventure-works\jillia	linda4@adventure-works.com
17	0	Mr.	Kevin	NULL	Hanif	NULL	Bike World	adventure-works\shu0	kevin0@adventure-works.com

b. Realiza una consulta para calcula el número total en la tabla `SalesLT.Customer`.

Imagen # 3. Microsoft SQL Server Management Studio.



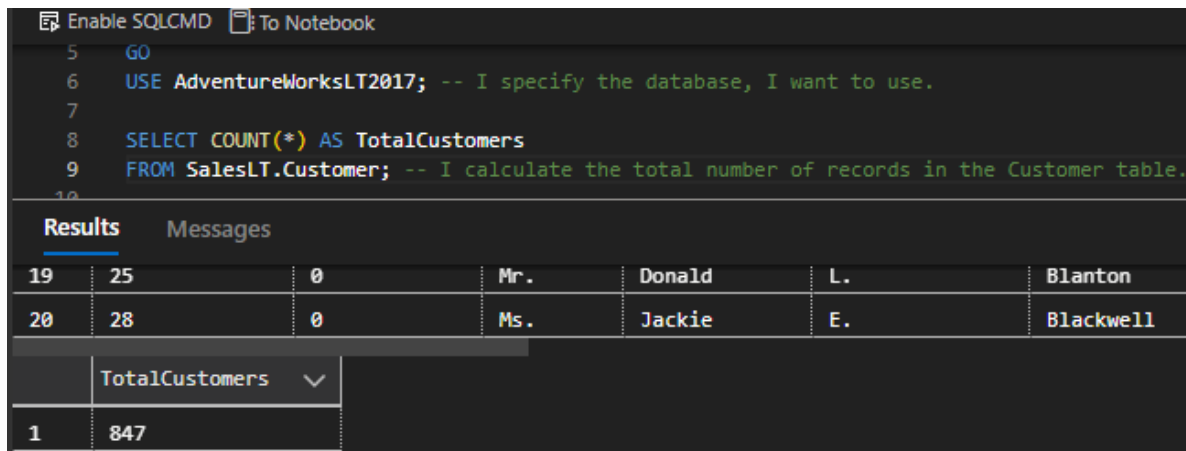
```
GO
USE AdventureWorksLT2017; -- I specify the database, I want to use.
SELECT COUNT(*) AS TotalCustomers
FROM SalesLT.Customer; -- I calculate the total number of records in the Customer table.
```

	CustomerID	NameStyle	Title	FirstName	MiddleName	LastName	Suffix	CompanyName	SalesPerson	EmailAddress
1	1	0	Mr.	Orlando	N.	Gee	NULL	A Bike Store	adventure-works\pamela0	orlando0@a
2	2	0	Mr.	Keith	NULL	Hamis	NULL	Progressive Sports	adventure-works\david8	keith0@adv

	TotalCustomers
1	847

Imagen # 4. Azure Data Studio.



```
GO
USE AdventureWorksLT2017; -- I specify the database, I want to use.
SELECT COUNT(*) AS TotalCustomers
FROM SalesLT.Customer; -- I calculate the total number of records in the Customer table.
```

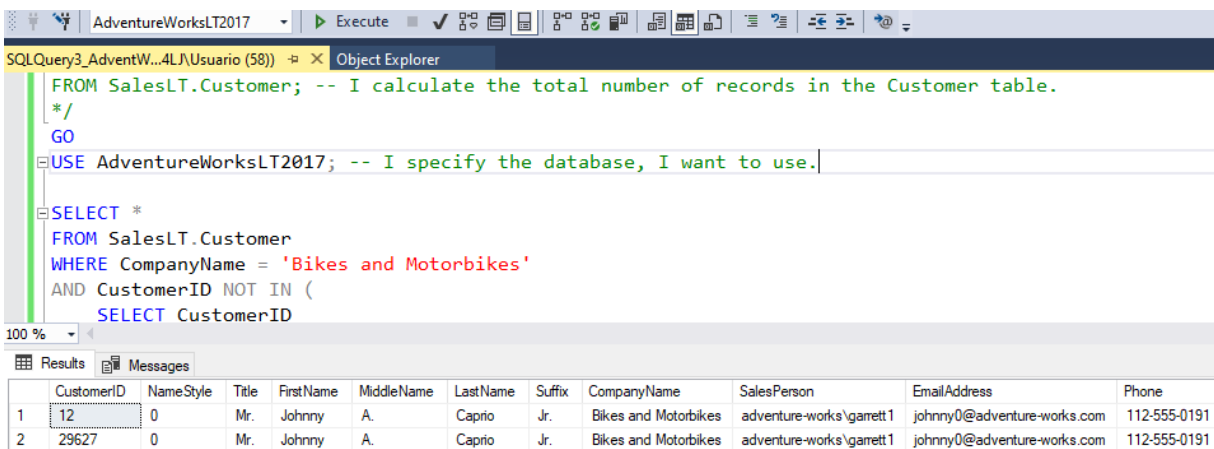
	CustomerID	NameStyle	Title	FirstName	MiddleName	LastName	Suffix	CompanyName	SalesPerson	EmailAddress
19	25	0	Mr.	Donald	L.	Blanton				
20	28	0	Ms.	Jackie	E.	Blackwell				

	TotalCustomers
1	847

c. Realiza una consulta para mostrar los Customer que pertenecen a la compañía `Bikes and Motorbikes`.

Imagen # 5. Microsoft SQL Server Management Studio.



```
GO
USE AdventureWorksLT2017; -- I specify the database, I want to use.
SELECT *
FROM SalesLT.Customer
WHERE CompanyName = 'Bikes and Motorbikes'
AND CustomerID NOT IN (
    SELECT CustomerID
    FROM SalesLT.Customer
    WHERE CompanyName = 'Bikes and Motorbikes'
)
```

	CustomerID	NameStyle	Title	FirstName	MiddleName	LastName	Suffix	CompanyName	SalesPerson	EmailAddress	Phone
1	12	0	Mr.	Johnny	A.	Caprio	Jr.	Bikes and Motorbikes	adventure-works\garrett1	johnny0@adventure-works.com	112-555-0191
2	29627	0	Mr.	Johnny	A.	Caprio	Jr.	Bikes and Motorbikes	adventure-works\garrett1	johnny0@adventure-works.com	112-555-0191

Imagen # 6. Azure Data Studio.

```

14 USE AdventureworksLT2017; -- Specify the database context
15
16 SELECT *
17 FROM SalesLT.Customer
18 WHERE CompanyName = 'Bikes and Motorbikes'
19 AND CustomerID NOT IN (
20     SELECT CustomerID
21     FROM SalesLT.Customer
22     WHERE CompanyName <> 'Bikes and Motorbikes');

```

	CustomerID	NameStyle	Title	FirstName	MiddleName	LastName	Suffix	CompanyName	SalesPerson	EmailAddress	Photo
1	12	0	Mr.	Johnny	A.	Caprio	Jr.	Bikes and Motorbikes	adventure-works\garrett1	johnny0@adventure-works.com	11:
2	29627	0	Mr.	Johnny	A.	Caprio	Jr.	Bikes and Motorbikes	adventure-works\garrett1	johnny0@adventure-works.com	11:

d. Realiza una consulta Distintiva por el Titulo del Customer y que muestre el nombre del título.

Imagen # 7. Microsoft SQL Server Management Studio.

```

SELECT DISTINCT
    CustomerID, Title, FirstName, MiddleName, LastName, CompanyName
FROM
    SalesLT.Customer;

```

	CustomerID	Title	FirstName	MiddleName	LastName	CompanyName
1	1	Mr.	Orlando	N.	Gee	A Bike Store
2	2	Mr.	Keith	NULL	Harris	Progressive Sports
3	3	Ms.	Donna	F.	Carreras	Advanced Bike Components
4	4	Ms.	Janet	M.	Gates	Modular Cycle Systems
5	5	Mr.	Lucy	NULL	Harrington	Metropolitan Sports Supply
6	6	Ms.	Rosmarie	J.	Carroll	Aerobic Exercise Company
7	7	Mr.	Dominic	P.	Gash	Associated Bikes
8	10	Ms.	Kathleen	M.	Garza	Rural Cycle Emporium
9	11	Ms.	Katherine	NULL	Harding	Sharp Bikes
10	12	Mr.	Johnny	A.	Caprio	Bikes and Motorbikes
11	16	Mr.	Christopher	R.	Beck	Bulk Discount Store
12	18	Mr.	David	J.	Liu	Catalog Store
13	19	Mr.	John	A.	Beaver	Center Cycle Shop
14	20	Ms.	Jean	P.	Handley	Central Discount Store
15	21	N...	Jinghao	NULL	Liu	Chic Department Stores
16	22	Ms.	Linda	E.	Bumett	Travel Systems
17	23	Mr.	Kerim	NULL	Hanif	Bike World
18	24	Mr.	Kevin	NULL	Liu	Eastside Department Store
19	25	Mr.	Donald	L.	Blanton	Coalition Bike Company
20	28	Ms.	Jackie	E.	Blackwell	Commuter Bicycle Store

Imagen # 8. Azure Data Studio.

```

24 USE AdventureworksLT2017; -- I specify the database, I want to use.
25 SELECT DISTINCT CustomerID, Title, FirstName, MiddleName, LastName, CompanyName
26 FROM SalesLT.Customer;

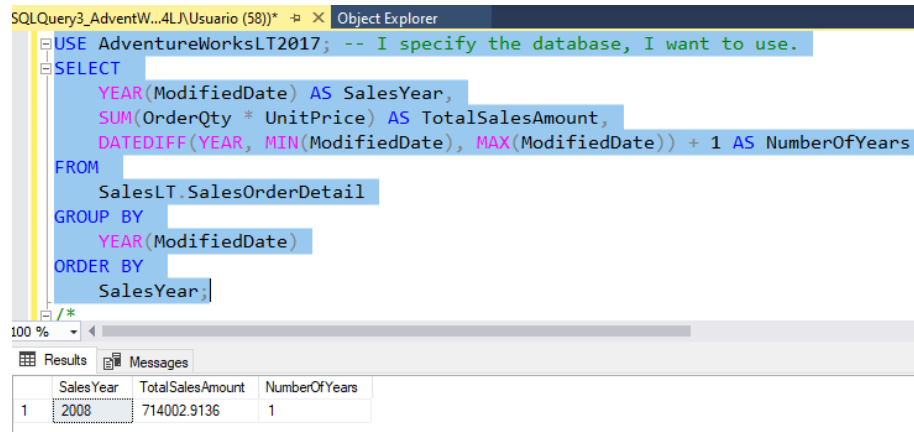
```

	CustomerID	Title	FirstName	MiddleName	LastName	CompanyName
1	1	Mr.	Orlando	N.	Gee	A Bike Store
2	2	Mr.	Keith	NULL	Harris	Progressive Sports
3	3	Ms.	Donna	F.	Carreras	Advanced Bike Components
4	4	Ms.	Janet	M.	Gates	Modular Cycle Systems
5	5	Mr.	Lucy	NULL	Harrington	Metropolitan Sports Supply
6	6	Ms.	Rosmarie	J.	Carroll	Aerobic Exercise Company

## 2. Análisis de Ventas: Tabla: “SalesLT.SalesOrderDetail”

a. Realiza una consulta donde obtengas el monto total de ventas realizadas por año.

Imagen # 9. Microsoft SQL Server Management Studio.



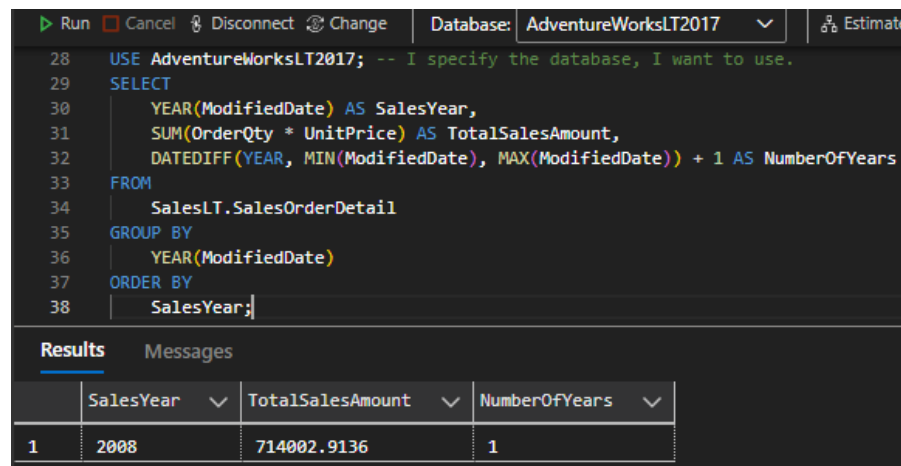
The screenshot shows the SQL Server Enterprise Manager interface. The 'SQL Query' window displays the following query:

```
USE AdventureWorksLT2017; -- I specify the database, I want to use.
SELECT
    YEAR(ModifiedDate) AS SalesYear,
    SUM(OrderQty * UnitPrice) AS TotalSalesAmount,
    DATEDIFF(YEAR, MIN(ModifiedDate), MAX(ModifiedDate)) + 1 AS NumberOfYears
FROM
    SalesLT.SalesOrderDetail
GROUP BY
    YEAR(ModifiedDate)
ORDER BY
    SalesYear;
```

The 'Results' pane shows the output of the query:

	SalesYear	TotalSalesAmount	NumberOfYears
1	2008	714002.9136	1

Imagen # 10. Azure Data Studio.



The screenshot shows the Azure Data Studio interface. The 'SQL Query' window displays the following query:

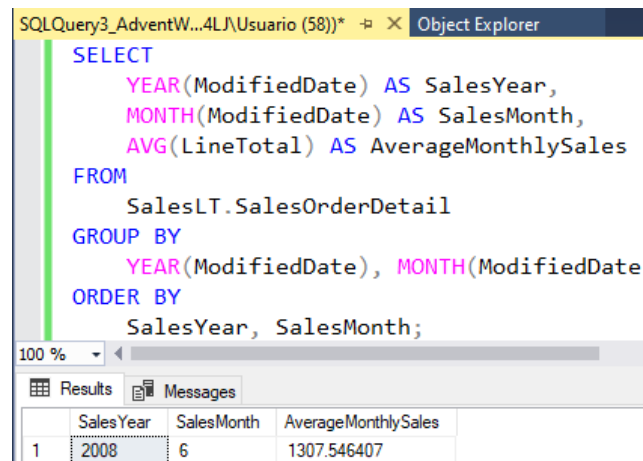
```
USE AdventureWorksLT2017; -- I specify the database, I want to use.
SELECT
    YEAR(ModifiedDate) AS SalesYear,
    SUM(OrderQty * UnitPrice) AS TotalSalesAmount,
    DATEDIFF(YEAR, MIN(ModifiedDate), MAX(ModifiedDate)) + 1 AS NumberOfYears
FROM
    SalesLT.SalesOrderDetail
GROUP BY
    YEAR(ModifiedDate)
ORDER BY
    SalesYear;
```

The 'Results' pane shows the output of the query:

	SalesYear	TotalSalesAmount	NumberOfYears
1	2008	714002.9136	1

b. Realiza una consulta que calcule el promedio de ventas mensuales. “Los datos solo muestran ventas están en solo mes el sexto mes”.

Imagen # 11. Microsoft SQL Server Management Studio.



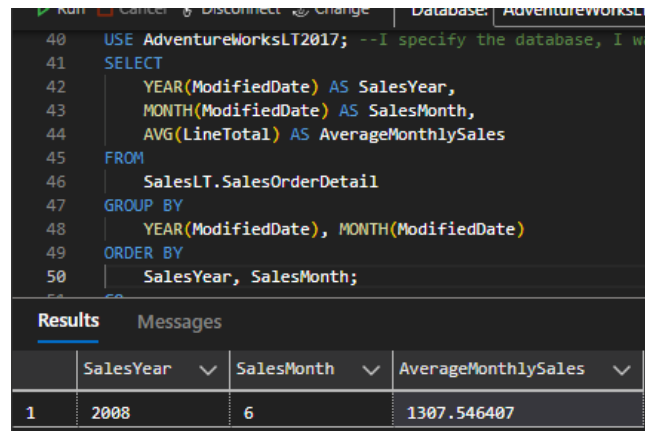
The screenshot shows the SQL Server Enterprise Manager interface. The 'SQL Query' window displays the following query:

```
SELECT
    YEAR(ModifiedDate) AS SalesYear,
    MONTH(ModifiedDate) AS SalesMonth,
    AVG(LineTotal) AS AverageMonthlySales
FROM
    SalesLT.SalesOrderDetail
GROUP BY
    YEAR(ModifiedDate), MONTH(ModifiedDate)
ORDER BY
    SalesYear, SalesMonth;
```

The 'Results' pane shows the output of the query:

	SalesYear	SalesMonth	AverageMonthlySales
1	2008	6	1307.546407

**Imagen # 12. Azure Data Studio.**



The screenshot shows the Azure Data Studio interface with a SQL query in the editor and its results in the Results pane. The query is a SELECT statement that filters data for the year 2008 and calculates the average monthly sales.

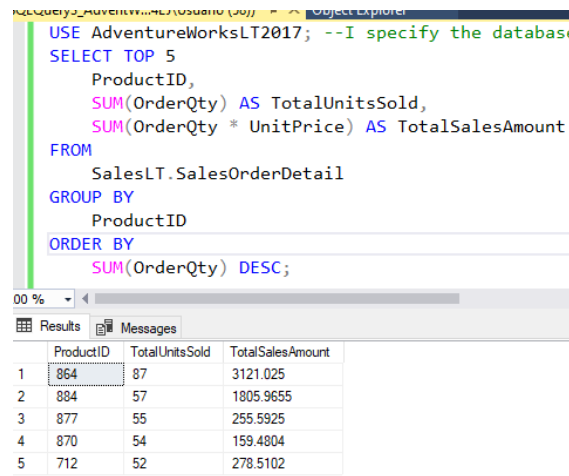
```
USE AdventureWorksLT2017; --I specify the database, I want
SELECT
    YEAR(ModifiedDate) AS SalesYear,
    MONTH(ModifiedDate) AS SalesMonth,
    AVG(LineTotal) AS AverageMonthlySales
FROM
    SalesLT.SalesOrderDetail
GROUP BY
    YEAR(ModifiedDate), MONTH(ModifiedDate)
ORDER BY
    SalesYear, SalesMonth;
```

	SalesYear	SalesMonth	AverageMonthlySales
1	2008	6	1307.546407

### 3. Análisis de Productos: Tablas: SalesOrderDetail, ProductCategory

a. Realiza una consulta donde encuentre los 5 productos más vendidos.

**Imagen # 13. Microsoft SQL Server Management Studio.**

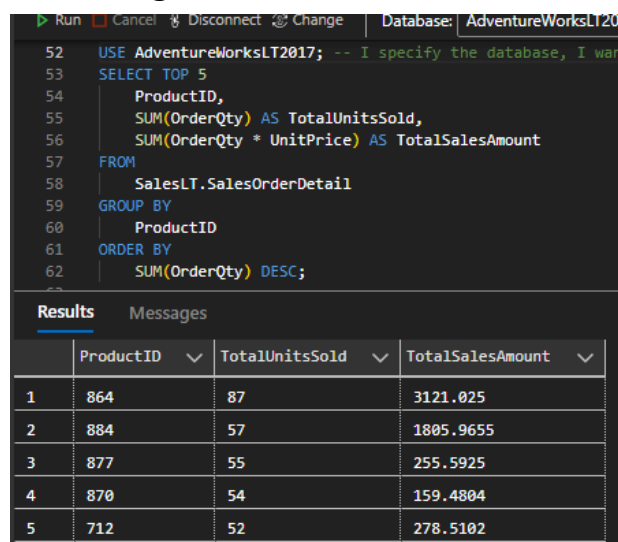


The screenshot shows the Microsoft SQL Server Management Studio interface with a SQL query in the editor and its results in the Results pane. The query is a SELECT statement that finds the top 5 products by total sales amount.

```
USE AdventureWorksLT2017; --I specify the database
SELECT TOP 5
    ProductID,
    SUM(OrderQty) AS TotalUnitsSold,
    SUM(OrderQty * UnitPrice) AS TotalSalesAmount
FROM
    SalesLT.SalesOrderDetail
GROUP BY
    ProductID
ORDER BY
    SUM(OrderQty) DESC;
```

	ProductID	TotalUnitsSold	TotalSalesAmount
1	864	87	3121.025
2	884	57	1805.9655
3	877	55	255.5925
4	870	54	159.4804
5	712	52	278.5102

**Imagen # 14. Azure Data Studio.**



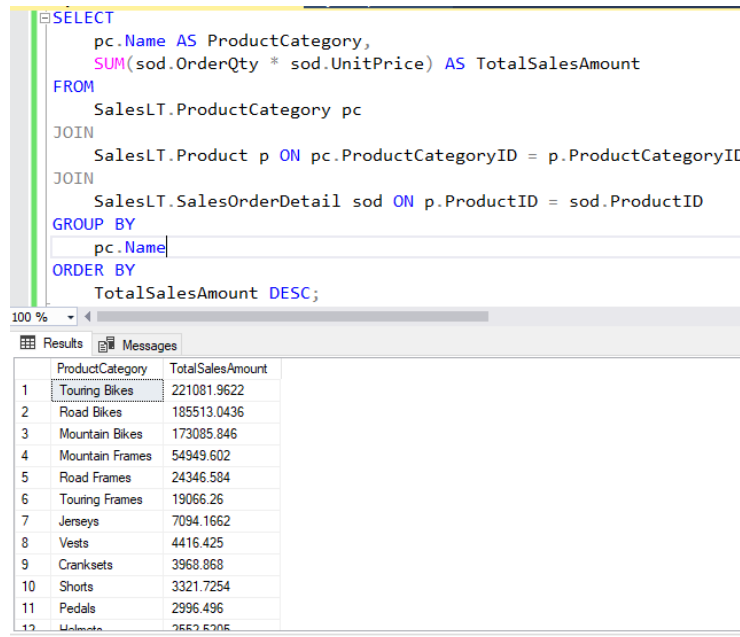
The screenshot shows the Azure Data Studio interface with a SQL query in the editor and its results in the Results pane. The query is a SELECT statement that finds the top 5 products by total sales amount.

```
USE AdventureWorksLT2017; -- I specify the database, I want
SELECT TOP 5
    ProductID,
    SUM(OrderQty) AS TotalUnitsSold,
    SUM(OrderQty * UnitPrice) AS TotalSalesAmount
FROM
    SalesLT.SalesOrderDetail
GROUP BY
    ProductID
ORDER BY
    SUM(OrderQty) DESC;
```

	ProductID	TotalUnitsSold	TotalSalesAmount
1	864	87	3121.025
2	884	57	1805.9655
3	877	55	255.5925
4	870	54	159.4804
5	712	52	278.5102

b. Realiza una consulta que calcule el total de ventas para cada categoría de producto.

Imagen # 15. Microsoft SQL Server Management Studio.



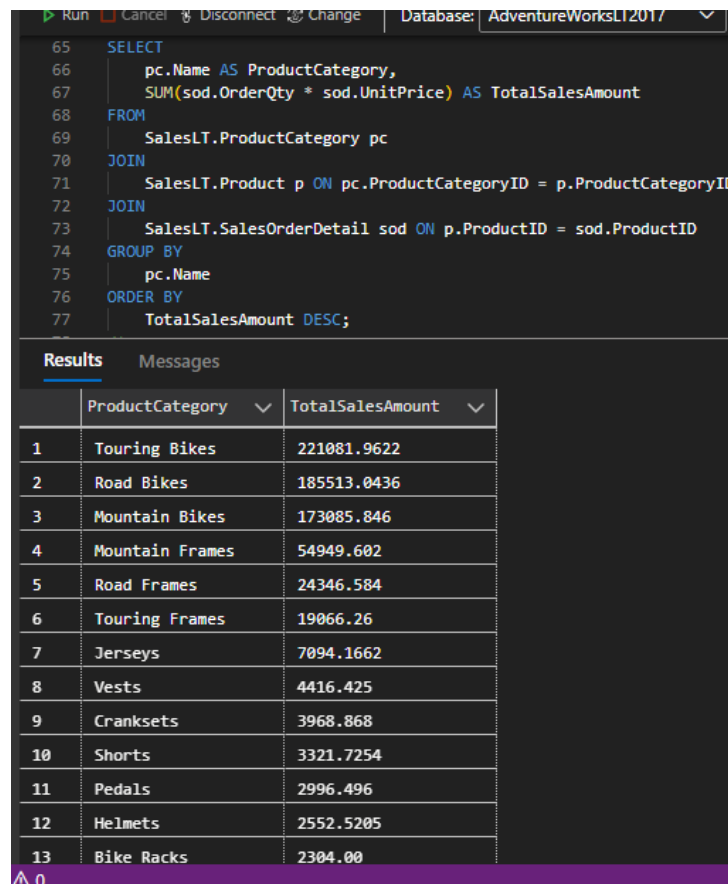
The screenshot shows the SQL Server Enterprise Manager interface. The SQL Server Enterprise Explorer tree on the left shows the 'AdventureWorksLT' database selected. The SQL Server Query window displays the following query:

```
SELECT
    pc.Name AS ProductCategory,
    SUM(sod.OrderQty * sod.UnitPrice) AS TotalSalesAmount
FROM
    SalesLT.ProductCategory pc
JOIN
    SalesLT.Product p ON pc.ProductCategoryID = p.ProductCategoryID
JOIN
    SalesLT.SalesOrderDetail sod ON p.ProductID = sod.ProductID
GROUP BY
    pc.Name
ORDER BY
    TotalSalesAmount DESC;
```

The Results tab shows the following data:

	ProductCategory	TotalSalesAmount
1	Touring Bikes	221081.9622
2	Road Bikes	185513.0436
3	Mountain Bikes	173085.846
4	Mountain Frames	54949.602
5	Road Frames	24346.584
6	Touring Frames	19066.26
7	Jerseys	7094.1662
8	Vests	4416.425
9	Cranksets	3968.868
10	Shorts	3321.7254
11	Pedals	2996.496
12	Helmets	2552.5205
13	Bike Racks	2304.00

Imagen # 16. Azure Data Studio.



The screenshot shows the Azure Data Studio interface. The top bar shows the 'Run' button, 'Cancel', 'Disconnect', and 'Change' buttons. The Database dropdown is set to 'AdventureWorksLT2017'. The SQL query is the same as in the previous image:

```
65 SELECT
66     pc.Name AS ProductCategory,
67     SUM(sod.OrderQty * sod.UnitPrice) AS TotalSalesAmount
68 FROM
69     SalesLT.ProductCategory pc
70 JOIN
71     SalesLT.Product p ON pc.ProductCategoryID = p.ProductCategoryID
72 JOIN
73     SalesLT.SalesOrderDetail sod ON p.ProductID = sod.ProductID
74 GROUP BY
75     pc.Name
76 ORDER BY
77     TotalSalesAmount DESC;
```

The Results tab shows the following data:

	ProductCategory	TotalSalesAmount
1	Touring Bikes	221081.9622
2	Road Bikes	185513.0436
3	Mountain Bikes	173085.846
4	Mountain Frames	54949.602
5	Road Frames	24346.584
6	Touring Frames	19066.26
7	Jerseys	7094.1662
8	Vests	4416.425
9	Cranksets	3968.868
10	Shorts	3321.7254
11	Pedals	2996.496
12	Helmets	2552.5205
13	Bike Racks	2304.00

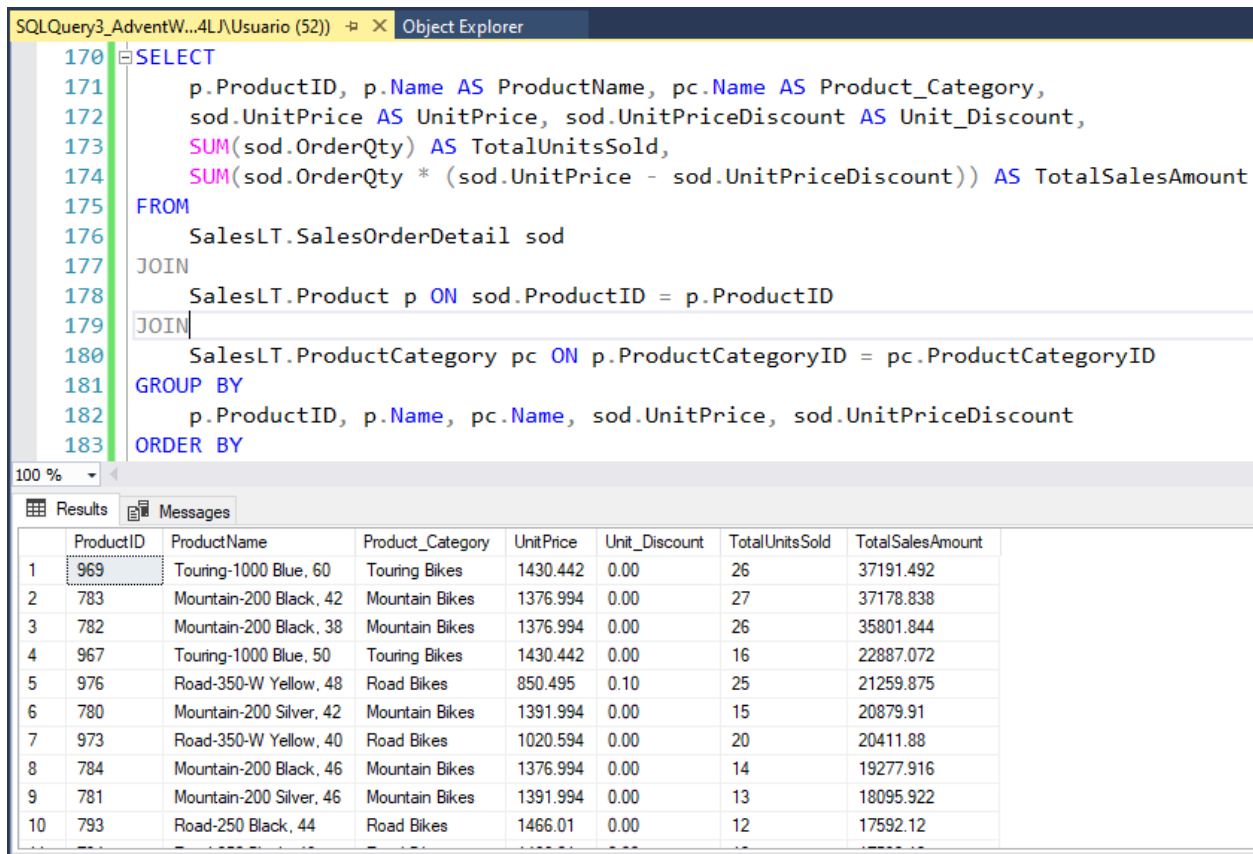
Pregunta de negocio extra generada para el grupo.

Haciendo secuencia generada por las preguntas a. y b.

- ❖ De acuerdo a la base de datos proporcionada `AdventureWorksLT2019`. Averiguar el monto total de ventas de cada producto del. incluyendo el descuento si es aplicable al producto, la cantidad unitaria vendidas, eh indicar los resultados con el producto que más ingreso \$ género por su venta.

Bike\_Shop\_One, nombre que le puse según el tipo de datos que indica la base de datos AdventureWorksLT2019.

Imagen # 17. Microsoft SQL Server Management Studio.



The screenshot displays the Microsoft SQL Server Management Studio interface. The top pane shows a SQL query in the 'SQLQuery3\_AdventW...4LJ\Usuario (52)' window. The query is a SELECT statement that joins the SalesLT.Product, SalesLT.ProductCategory, and SalesLT.SalesOrderDetail tables. It calculates the total units sold and the total sales amount for each product, considering unit price and discounts. The results are ordered by product ID.

The bottom pane shows the 'Results' tab with a table containing 10 rows of data. The columns are ProductID, ProductName, Product\_Category, UnitPrice, Unit\_Discount, TotalUnitsSold, and TotalSalesAmount. The first row is highlighted.

	ProductID	ProductName	Product_Category	UnitPrice	Unit_Discount	TotalUnitsSold	TotalSalesAmount
1	969	Touring-1000 Blue, 60	Touring Bikes	1430.442	0.00	26	37191.492
2	783	Mountain-200 Black, 42	Mountain Bikes	1376.994	0.00	27	37178.838
3	782	Mountain-200 Black, 38	Mountain Bikes	1376.994	0.00	26	35801.844
4	967	Touring-1000 Blue, 50	Touring Bikes	1430.442	0.00	16	22887.072
5	976	Road-350-W Yellow, 48	Road Bikes	850.495	0.10	25	21259.875
6	780	Mountain-200 Silver, 42	Mountain Bikes	1391.994	0.00	15	20879.91
7	973	Road-350-W Yellow, 40	Road Bikes	1020.594	0.00	20	20411.88
8	784	Mountain-200 Black, 46	Mountain Bikes	1376.994	0.00	14	19277.916
9	781	Mountain-200 Silver, 46	Mountain Bikes	1391.994	0.00	13	18095.922
10	793	Road-250 Black, 44	Road Bikes	1466.01	0.00	12	17592.12

## Imagen # 18. Azure Data Studio.

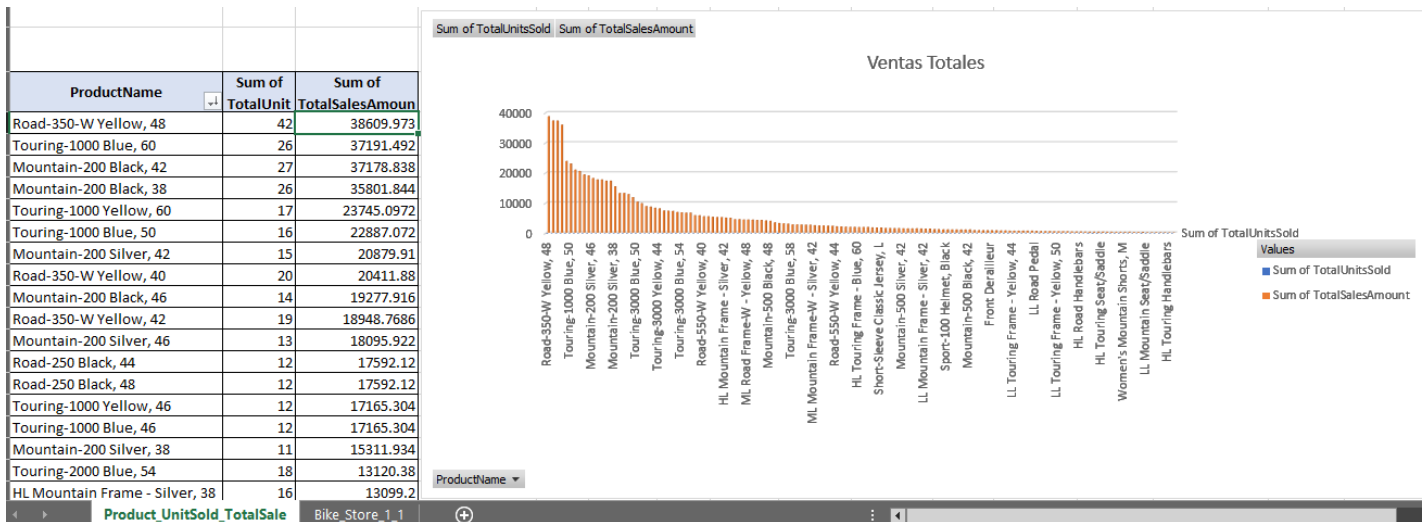
```

187 SELECT
188     p.ProductID, p.Name AS ProductName, pc.Name AS Product_Category, sod.UnitPrice AS UnitPrice, sod.UnitPriceDiscount AS Unit_Discount,
189     SUM(sod.OrderQty) AS TotalUnitsSold,
190     SUM(sod.OrderQty * (sod.UnitPrice - sod.UnitPriceDiscount)) AS TotalSalesAmount
191 FROM
192     SalesLT.SalesOrderDetail sod
193 JOIN
194     SalesLT.Product p ON sod.ProductID = p.ProductID
195 JOIN
196     SalesLT.ProductCategory pc ON p.ProductCategoryID = pc.ProductCategoryID
197 GROUP BY
198     p.ProductID, p.Name, pc.Name, sod.UnitPrice, sod.UnitPriceDiscount
199 ORDER BY
200     TotalSalesAmount DESC;

```

	ProductID	ProductName	Product_Category	UnitPrice	Unit_Discount	TotalUnitsSold	TotalSalesAmount
1	969	Touring-1000 Blue, 60	Touring Bikes	1430.442	0.00	26	37191.492
2	783	Mountain-200 Black, 42	Mountain Bikes	1376.994	0.00	27	37178.838
3	782	Mountain-200 Black, 38	Mountain Bikes	1376.994	0.00	26	35801.844
4	967	Touring-1000 Blue, 50	Touring Bikes	1430.442	0.00	16	22887.072
5	976	Road-350-W Yellow, 48	Road Bikes	850.495	0.10	25	21259.875
6	780	Mountain-200 Silver, 42	Mountain Bikes	1391.994	0.00	15	20879.91
7	973	Road-350-W Yellow, 40	Road Bikes	1020.594	0.00	20	20411.88
8	784	Mountain-200 Black, 46	Mountain Bikes	1376.994	0.00	14	19277.916
9	781	Mountain-200 Silver, 46	Mountain Bikes	1391.994	0.00	13	18095.922

## Imagen # 19 Grafico en EXCEL.





**2.**

**Presentado Por Javier A. S. Coronado. El 12-marzo-2024 Bogotá, Colombia.**

**Documento virtual compartido en Google Drive.**

**En Actividades durante el BootCamp.**

**Para el (Bootcamp): Análisis y Visualización de Datos. 1.**

**Por Talento Tech, el Ministerio Mintic Colombia, Cymetria, Tecnalia Colombia.**

**Modalidad: Virtual. Grupo 1-3 en horario: 6:00-8:00 am de lunes a viernes y sábados de 7:00-10:00 am.**