

Actividad 2 – Consultas

Administración de Bases de Datos

Ingeniería en Desarrollo de Software

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1- Introducción

Las bases de datos son un elemento fundamental en el entorno informático hoy en día y tienen aplicación en la práctica totalidad de campos. Concebidas con un propósito general, son de utilidad para toda disciplina o área de aplicación en la que exista una necesidad de gestionar datos, tanto más cuanto más voluminosos sean estos.

Aunque las particularidades de los datos espaciales con los que trabajamos en un SIG han hecho necesarias modificaciones y adaptaciones sobre el esquema de trabajo de las bases de datos genéricas, en esencia los fundamentos de estas siguen constituyendo el elemento primordial sobre el que la arquitectura de gestión de datos espaciales se apoya. En esta sección, veremos de forma introductoria esos fundamentos de bases de datos genéricas, aplicables a cualquier otro ámbito además del de los SIG, para posteriormente poder tratar el caso particular de los datos espaciales. Los elementos clave de la base de datos son esa estructuración y sistematicidad, pues ambas son las responsables de las características que hacen de la base de datos un enfoque superior a la hora de gestionar datos.

2- Descripción

La tienda de ropa “Akira's Boutique” lleva un control de la información en su base de datos.

Este control se representa en el siguiente diagrama.

En la actividad anterior se realizó una expansión (mejora) de la base de datos de la tienda.

Sin embargo, se desea conocer la siguiente información para la creación de consultas: La cantidad de clientes en el año 2021. La cantidad de clientes en lo que va del año 2022. Los clientes que tuvieron en diciembre de 2021. ¿Qué compras han realizado algunos clientes en específico?, ¿Qué producto es el que más ventas ha tenido?, ¿Qué producto tiene más cantidad en stock?, Ordenar por fecha las compras que ha habido en la tienda. Ordenar alfabéticamente los nombres de los clientes de la tienda. Seleccionar cuántos productos hay en cada categoría: falda, pantalón, chamarra, zapatos y accesorios. ¿Cuáles son los encargados en cada sucursal de Akira's Boutique?, ¿Cuáles son los empleados que trabajan en la sucursal de Akira's Boutique sucursal Constitución?, ¿Cuáles clientes son mayores de 30 años?

3- Justificación

Se puede ver más claramente las implicaciones de utilizar una base de datos si recurrimos a las bases de datos y lo relativo a la gestión forestal de un territorio. Para ello, consideremos que el número de usuarios y de los datos asociados no se limita únicamente al gestor forestal que ha de tomar decisiones o establecer planes de actuación, sino a muchos otros profesionales que puedan ejercer su trabajo en esa misma área o puedan emplear total o parcialmente esos mismos datos.

Es probable además que existan usuarios dentro de una misma organización (por ejemplo, un organismo público) que, aunque requieran para su trabajo datos similares, no tengan contacto alguno entre sí. Aunque los usuarios sean independientes, sus datos no lo han de ser necesariamente, y en una situación ideal deberían acudir a un repositorio único de datos del que cada cual tomaría lo necesario, en lugar de basar su trabajo en un conjunto de datos fragmentado y difícil de gestionar.

4- Desarrollo

-Consultas

Seleccionar los clientes del año 2021 en base a la fecha de la factura

```
select * from factura where ( ( fecha >= '2021-01-01') and (fecha <= '2021-12-31') )
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left lists databases, tables, and other objects. The central pane contains two queries:

```
select * from factura  
select * from factura where ( ( fecha >= '2021-01-01') and (fecha <= '2021-12-31') )
```

The bottom pane displays the results of the second query, which is a table with four columns: id_factura, id_cliente, fecha, and id_detalle. The data is as follows:

	id_factura	id_cliente	fecha	id_detalle
1	1	9	2021-12-22	1
2	2	9	2021-10-11	2
3	3	4	2021-12-07	3
4	4	4	2021-08-24	4
5	5	1	2021-09-24	5
6	8	0	2021-12-28	8
7	11	2	2021-07-13	11
8	14	6	2021-12-22	14
9	15	5	2021-11-18	15
10	17	7	2021-10-12	17
11	18	7	2021-12-30	18
12	20	8	2021-12-21	20
13	21	26	2021-10-08	21
14	23	31	2021-07-16	23
15	24	35	2021-09-23	24
16	25	25	2021-06-14	25
17	26	29	2021-08-19	26
18	27	27	2021-11-10	27
19	31	12	2021-12-07	31
20	34	17	2021-11-11	34

Seleccionar los clientes de 2022 (hasta el momento) en base a la fecha de la factura

```
select * from factura where fecha >= '2022'
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the top-left corner, there's a title bar for 'SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78)) - Microsoft SQL Server Management Studio'. The main window has a toolbar at the top with various icons for file operations, queries, and database management. Below the toolbar is the Object Explorer, which lists several databases and their objects like tables, views, and stored procedures. The central area contains two query panes. The top pane shows the query 'select * from factura' followed by the subquery 'select * from factura where fecha >= '2022''. A green status bar at the bottom of this pane indicates 'Query executed successfully.'. The bottom pane is titled 'Results' and displays a table with 17 rows of data. The columns are labeled 'id_factura', 'id_cliente', 'fecha', and 'id_detalle'. The data shows various dates in 2022, such as 2022-01-08, 2022-01-01, 2022-01-11, etc. The status bar at the bottom right of the results pane shows the date as 21/1/2024 and the time as 14:14.

	id_factura	id_cliente	fecha	id_detalle
1	6	1	2022-01-08	6
2	7	0	2022-01-01	7
3	9	3	2022-01-11	9
4	10	3	2022-01-16	10
5	12	2	2022-01-05	12
6	13	6	2022-01-12	13
7	16	5	2022-01-09	16
8	19	8	2022-01-17	19
9	22	30	2022-01-19	22
10	28	24	2022-01-22	28
11	29	26	2022-01-11	29
12	30	36	2022-01-04	30
13	32	14	2022-01-06	32
14	33	24	2022-01-03	33
15	36	36	2022-01-10	36
16	38	29	2022-01-03	38
17	40	18	2022-01-20	40

Seleccionar los clientes de diciembre de 2021.

```
select * from factura where ( ( fecha >= '2021-12-01') and (fecha <= '2021-12-31' ) )
```

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. The title bar reads "SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78)) - Microsoft SQL Server Management Studio". The menu bar includes File, Edit, View, Query, Project, Tools, Window, Help. The toolbar has various icons for file operations like New Query, Save, Print, etc. The Object Explorer on the left shows the database structure under "LAPTOP-FISVN4LR\SQLEXPRESS", including Databases, System Databases, Database Snapshots, AkirasBoutiques, Tables, System Tables, FileTables, External Tables, Graph Tables, dbo.categoria, dbo.cliente, dbo.detalle, dbo.Empleado, dbo.factura, dbo.producto, dbo.Sucursal, Views, External Resource, Synonyms, Programmability, Service Broker, Storage, Security, and Security. The main pane displays a query window with the following content:

```
select * from factura  
select * from factura where ( ( fecha >= '2021-12-01') and (fecha <= '2021-12-31' ) )
```

The status bar at the bottom indicates "Query executed successfully.", "LAPTOP-FISVN4LR\SQLEXPRESS ... | sa (78) | master | 00:00:00 | 8 rows", and the system tray shows the date and time as "21/1/2024 14:16".

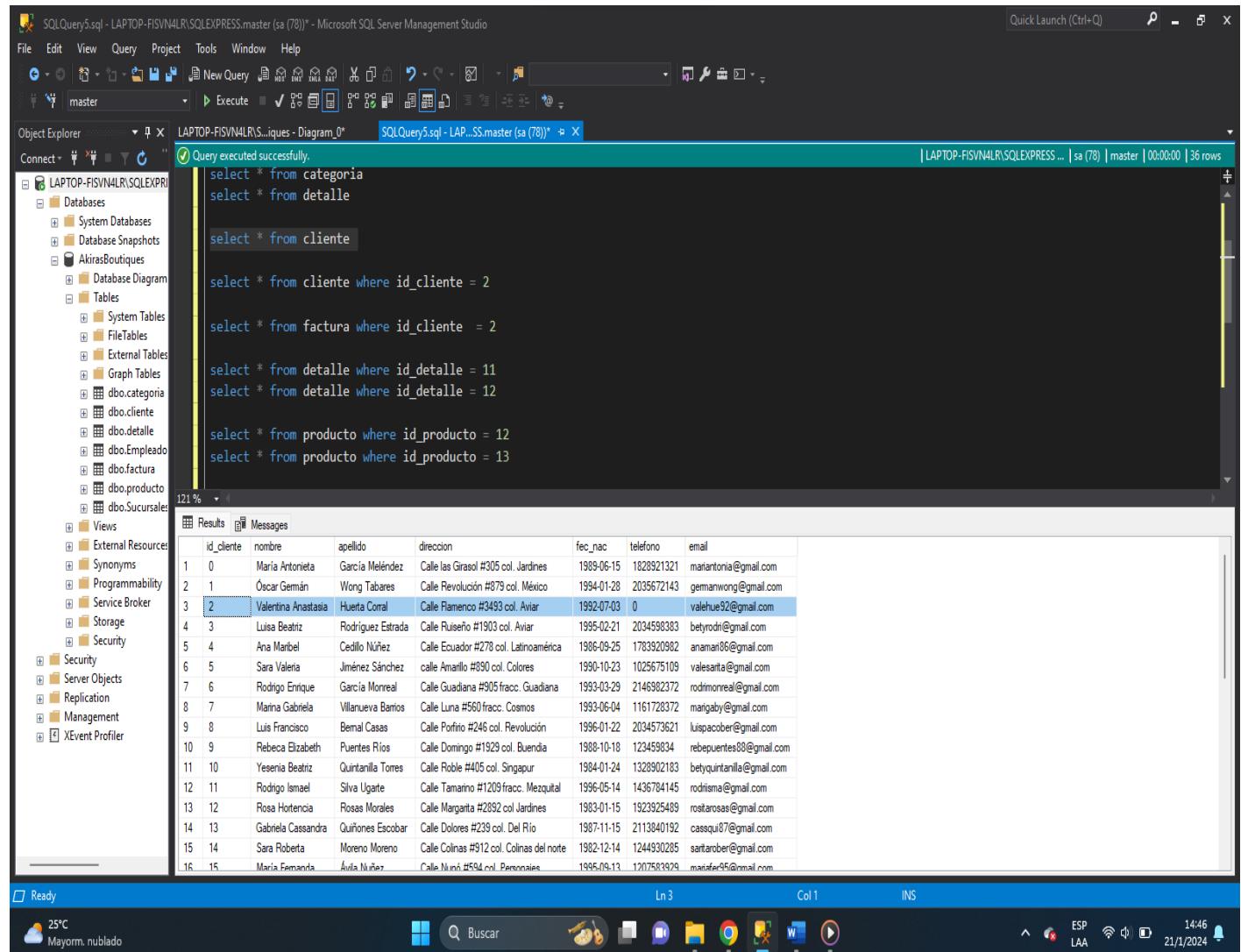
	id_factura	id_cliente	fecha	id_detalle
1	1	9	2021-12-22	1
2	3	4	2021-12-07	3
3	8	0	2021-12-28	8
4	14	6	2021-12-22	14
5	18	7	2021-12-30	18
6	20	8	2021-12-21	20
7	31	12	2021-12-07	31
8	39	26	2021-12-14	39

¿Qué compras han realizado los siguientes clientes?:

- Valentina Anastasia Huerta Corral

Primero ejecuto este select en la tabla clientes para buscar el nombre que se proporciono.

```
select * from cliente
```



The screenshot shows the Microsoft SQL Server Management Studio interface. In the center, there is a results grid displaying a list of clients. The columns are labeled: id_cliente, nombre, apellido, dirección, fec_nac, teléfono, and email. The data includes rows for various clients, with the third row highlighted in blue, corresponding to the client 'Valentina Anastasia Huerta Coral' mentioned in the text. The query entered in the query editor is:

```
select * from cliente
select * from detalle
select * from cliente where id_cliente = 2
select * from factura where id_cliente = 2
select * from detalle where id_detalle = 11
select * from detalle where id_detalle = 12
select * from producto where id_producto = 12
select * from producto where id_producto = 13
```

	id_cliente	nombre	apellido	dirección	fec_nac	teléfono	email
1	0	Maria Antonia	Garcia Meléndez	Calle las Grasol #305 col. Jardines	1989-06-15	1828921321	mariantonia@gmail.com
2	1	Óscar Germán	Wong Tabares	Calle Revolución #879 col. México	1994-01-28	2035672143	germanwong@gmail.com
3	2	Valentina Anastasia	Huerta Coral	Calle Flamenco #3493 col. Aviar	1992-07-03	0	valehue92@gmail.com
4	3	Luisa Beatriz	Rodríguez Estrada	Calle Puseño #1903 col. Aviar	1995-02-21	2034598383	betyrodriz@gmail.com
5	4	Ana Maribel	Cedillo Núñez	Calle Ecuador #278 col. Latinoamérica	1986-09-25	1783920982	anamar86@gmail.com
6	5	Sara Valeria	Jiménez Sánchez	Calle Amarillo #930 col. Colores	1990-10-23	1025675109	valesarita@gmail.com
7	6	Rodrigo Enrique	García Morreal	Calle Guadalupe #905 fracc. Guadalupe	1993-03-29	2146982372	rodimorreal@gmail.com
8	7	Marina Gabriela	Villanueva Barrios	Calle Luna #560 fracc. Cosmos	1993-06-04	1161728372	marigaby@gmail.com
9	8	Luis Francisco	Bernal Casas	Calle Porfirio #246 col. Revolución	1996-01-22	2034573621	luisacober@gmail.com
10	9	Rebeca Elizabeth	Puertes Ríos	Calle Domingo #1929 col. Buendía	1988-10-18	123459834	rebepuentes88@gmail.com
11	10	Yessenia Beatriz	Quintanilla Torres	Calle Roble #405 col. Singapur	1984-01-24	1328902183	betyquintanilla@gmail.com
12	11	Rodrigo Ismael	Silva Ugarte	Calle Tamarino #1209 fracc. Mezquital	1996-05-14	1436784145	rodrisma@gmail.com
13	12	Rosa Hortencia	Rosas Morales	Calle Margarita #2892 col. Jardines	1983-01-15	1923925489	rostarovas@gmail.com
14	13	Gabriela Cassandra	Quiñones Escobar	Calle Dolores #239 col. Del Río	1987-11-15	2113840192	cassqu87@gmail.com
15	14	Sara Roberta	Moreno Moreno	Calle Colinas #512 col. Colinas del norte	1982-12-14	1244930285	sartarober@gmail.com
16	15	Maria Fernanda	Avila Núñez	Calle Nicanor #594 col. Personería	1995-09-13	1207583929	marifernaf95@gmail.com

Despues busco el id_cliente en la tabla de cliente que este asignado.

```
select * from cliente where id_cliente = 2
```

The screenshot shows the Microsoft SQL Server Management Studio interface. On the left is the Object Explorer pane, which lists the database structure of 'LAPTOP-FISVN4LR\SQLEXPRESS'. In the center is the 'Query' window containing the following SQL code:

```
select * from categoria  
select * from detalle  
  
select * from cliente  
  
select * from cliente where id_cliente = 2  
  
select * from factura where id_cliente = 2  
  
select * from detalle where id_detalle = 11  
select * from detalle where id_detalle = 12  
  
select * from producto where id_producto = 12  
select * from producto where id_producto = 13
```

The status bar at the bottom right indicates the query was executed successfully with 1 row returned. The results pane shows a single row of data from the 'cliente' table:

id_cliente	nombre	apellido	direccion	fec_nac	telefono	email		
1	2	Valentina	Anastasia	Huerta Corral	Calle Flamenca #3493 col. Aviar	1952-07-03	0	valehue92@gmail.com

Realizo este select en la tabla de facturas con el id_cliente para ver cual tiene la persona

```
select * from factura where id_cliente = 2
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The left pane displays the Object Explorer with the database structure of 'LAPTOP-FISVN4LR\SQLEXPRESS'. The right pane contains a query window with the following SQL code:

```
select * from categoria  
select * from detalle  
  
select * from cliente  
  
select * from cliente where id_cliente = 2  
  
select * from factura where id_cliente = 2  
  
select * from detalle where id_detalle = 11  
select * from detalle where id_detalle = 12  
  
select * from producto where id_producto = 12  
select * from producto where id_producto = 13
```

The results pane shows a table with two rows:

	id_factura	id_cliente	fecha	id_detalle
1	11	2	2021-07-13	11
2	12	2	2022-01-05	12

Con el id_detalle busco en la tabla de detalle para obtener el id de los productos

```
select * from detalle where id_detalle = 11
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'AkiraBoutique' is selected. In the center pane, a query window displays the following SQL code:

```
select * from categoria  
select * from detalle  
  
select * from cliente  
  
select * from cliente where id_cliente = 2  
  
select * from factura where id_cliente = 2  
  
select * from detalle where id_detalle = 11  
select * from detalle where id_detalle = 12  
  
select * from producto where id_producto = 12  
select * from producto where id_producto = 13
```

The status bar at the bottom indicates 'Query executed successfully.' and shows the results of the last query:

	id_detalle	id_producto	cantidad	precio
1	11	12	6	1500

The taskbar at the bottom of the screen shows various pinned icons, including the Start button, Task View, Search, File Explorer, Task Manager, Edge browser, and others.

```
select * from detalle where id_detalle = 12
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'LAPTOP-FISVN4LR\SQLEXPRESS'. The central pane shows a query window with the following SQL code:

```
select * from categoria  
select * from detalle  
  
select * from cliente  
  
select * from cliente where id_cliente = 2  
  
select * from factura where id_cliente = 2  
  
select * from detalle where id_detalle = 11  
select * from detalle where id_detalle = 12  
  
select * from producto where id_producto = 12  
select * from producto where id_producto = 13
```

The results pane below shows a single row of data from the 'detalle' table:

id_detalle	id_producto	cantidad	precio
12	13	1	150

Y con el id_producto veo cual es le producto en la tabla producto

```
select * from producto where id_producto = 12
select * from producto where id_producto = 13
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure, including tables like categoria, detalle, cliente, factura, and producto. The central Results pane displays the output of the following query:

```
select * from producto where id_producto = 12
```

The results table shows one row:

id_producto	nombre	precio	stock	id_categoria
12	Shots de Mezquila	250	48	3

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure, including tables like categoria, detalle, cliente, factura, and producto. The central Results pane displays the output of the following query:

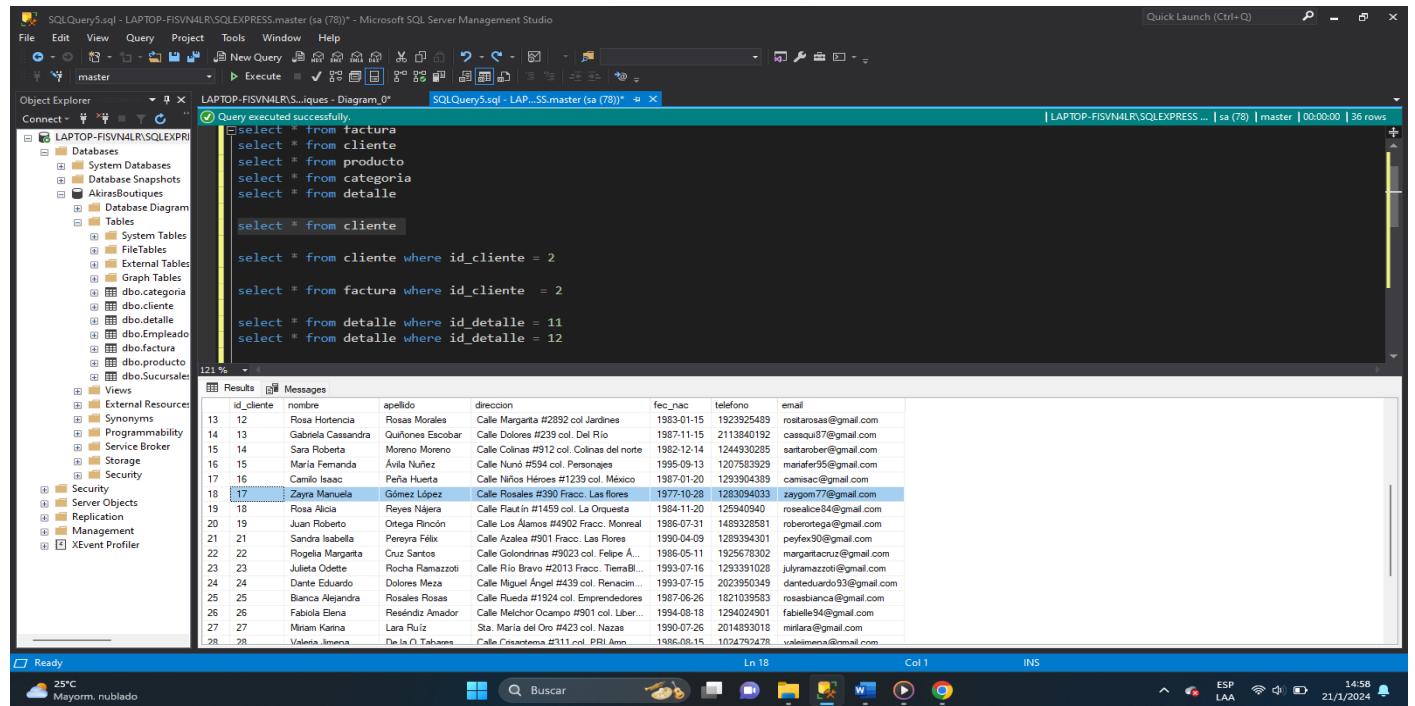
```
select * from producto where id_producto = 13
```

The results table shows one row:

id_producto	nombre	precio	stock	id_categoria
13	Camisón	150	9	4

-Zayra Manuela Gómez López

Repite el mismo proceso que en la primera persona.



The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'master' is selected. In the center pane, a query window displays the following T-SQL code:

```

select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle

select * from cliente

select * from cliente where id_cliente = 2

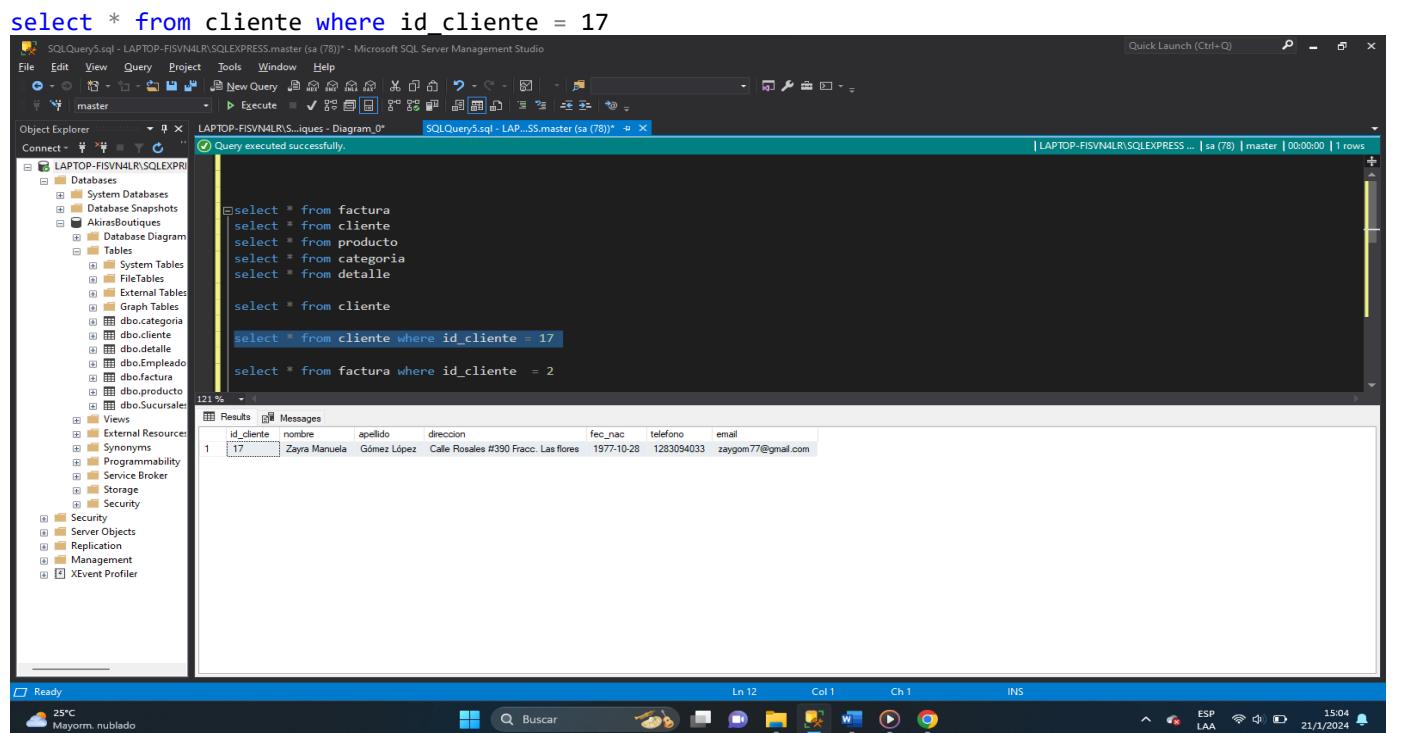
select * from factura where id_cliente = 2

select * from detalle where id_detalle = 11
select * from detalle where id_detalle = 12

```

The results pane shows a table with columns: id_cliente, nombre, apellido, direccion, fec_nac, telefono, and email. The data includes rows for various clients, with row 17 highlighted for Zayra Manuela Gómez López.

id_cliente	nombre	apellido	direccion	fec_nac	telefono	email
13	Rosa	Hortencia	Rosas Morales	Calle Margarita #2892 col Jardines	1983-01-15	1923925489
14	Gabriela	Cassandra	Quiñones Escobar	Calle Dolores #239 col. Del Rio	1987-11-15	2113840192
15	Sara	Roberta	Moreno Moreno	Calle Colinas #912 col. Colinas del norte	1982-12-14	1244930285
16	Maria	Fernanda	Ávila Nuñez	Calle Núñez #594 col. Personajes	1995-09-13	1207583329
17	Camilo	Ivan	Peña Huerta	Calle Niños Héroes #1239 col. México	1987-01-20	1253904389
18	Zayra	Manuela	Gómez López	Calle Rosales #390 Fracc. Las Flores	1977-10-28	1283094033
19	Rosa	Alicia	Reyes Nájera	Calle Flautín #1459 col. La Orquesta	1984-11-20	125940940
20	Juan	Roberto	Ortega Rincón	Calle Los Alamos #4902 Fracc. Monreal	1986-07-31	1469328581
21	Sandra	Isabella	Pereyra Félix	Calle Azalea #901 Fracc. Las Flores	1990-04-09	1289334301
22	Rogelia	Margarita	Cruz Santos	Calle Golondrinas #9023 col. Felipe Á...	1986-05-11	1295678302
23	Julista	Odette	Rocha Ramazzotti	Calle Rio Bravo #2013 Fracc. Tierra Bl...	1993-07-16	1232391028
24	Dante	Eduardo	Dolores Méza	Calle Miguel Ángel #439 col. Resarcim...	1993-07-15	2023950349
25	Bianca	Alejandra	Rosales Rosas	Calle Rueda #1924 col. Emprendedores	1987-06-26	1821039583
26	Fabiola	Elena	Reséndiz Amador	Calle Melchor Ocampo #901 col. Luber...	1994-08-18	1254024901
27	Minan	Kanna	Lara Ruiz	Sta. María del Oro #423 col. Nazas	1990-07-26	2014893018
28	Valeria	Imenia	De la O. Tahanez	Calle Cesantena #3112 col. PRI Ann...	1986-08-15	1024752478



The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'master' is selected. In the center pane, a query window displays the following T-SQL code:

```

select * from cliente where id_cliente = 17

```

The results pane shows a table with columns: id_cliente, nombre, apellido, direccion, fec_nac, telefono, and email. The data includes rows for various clients, with row 1 highlighted for Zayra Manuela Gómez López.

id_cliente	nombre	apellido	direccion	fec_nac	telefono	email
1	Zayra	Manuela	Gómez López	Calle Rosales #390 Fracc. Las Flores	1977-10-28	1283094033

```
select * from factura where id_cliente = 17
```

SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

master

Object Explorer

Connect -

SQLQuery5.sql - LAPTOP-FISVN4LR\S...iques - Diagram_0*

Query executed successfully.

```
select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle
select * from cliente
select * from cliente where id_cliente = 17
select * from factura where id_cliente = 17
select * from detalle where id_detalle = 11
select * from detalle where id_detalle = 12
```

Results Messages

	id_factura	id_cliente	fecha	id_detalle
1	34	17	2021-11-11	34

Ln 14 Col 1 Ch 1 INS

Ready 25°C Mayorm. nublado Buscar 15:04 ESP LAA 21/1/2024

```
select * from detalle where id_detalle = 34
```

SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

master

Object Explorer

Connect -

SQLQuery5.sql - LAPTOP-FISVN4LR\S...iques - Diagram_0*

Query executed successfully.

```
select * from cliente
select * from cliente where id_cliente = 17
select * from factura where id_cliente = 17
select * from detalle where id_detalle = 34
select * from producto where id_producto = 12
```

Results Messages

	id_detalle	id_producto	cantidad	precio
1	34	26	5	5500

Ln 16 Col 1 Ch 1 INS

Ready 25°C Mayorm. nublado Buscar 15:06 ESP LAA 21/1/2024

```
select * from producto where id_producto = 26
```

The screenshot shows the Microsoft SQL Server Management Studio interface. On the left, the Object Explorer displays the database structure of 'LAPTOP-FISVN4LR\SQLEXPRESS'. In the center, a query window titled 'SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS master (sa (78))' contains the following SQL code:

```
select * from cliente
select * from cliente where id_cliente = 17
select * from factura where id_cliente = 17
select * from detalle where id_detalle = 34
select * from producto where id_producto = 26
```

The status bar at the bottom right indicates the session details: 'LAPTOP-FISVN4LR\SQLEXPRESS ... | sa (78) | master | 00:00:00 | 1 rows'. Below the query window, the 'Results' tab is selected, showing a single row of data:

	id_producto	nombre	precio	stock	id_categoria
1	26	Chamara pluma de ganso	1100	17	7

- Dante Eduardo Dolores Meza

```
select * from cliente
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'LAPTOP-FISVN4LR\SQLEXPRESS'. The 'master' database is selected. The 'Results' tab in the center displays the output of the query:

```
select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle
select * from cliente
select * from cliente where id_cliente = 17
select * from factura where id_cliente = 17
```

The results table contains 25 rows of client information. The first few rows are:

id_cliente	nombre	apellido	direccion	fec_nac	telefono	email
20	Juan Roberto	Ortega Rincón	Calle Los Álamos #4902 Fracc. Monreal	1986-07-31	1489328581	roberortega@gmail.com
21	Sandra Isabella	Pereyra Félix	Calle Azalea #901 Fracc. Las Flores	1990-04-09	1289394301	peyex90@gmail.com
22	Rogelia Margarita	Cruz Santos	Calle Golondrinas #9023 col. Felipe Á...	1986-05-11	1925678302	margantacruz@gmail.com
23	Juljeta Odette	Rocha Ramazzotti	Calle Rio Bravo #2013 Fracc. Tiera Bl...	1993-07-16	1293391028	julyramazzotti@gmail.com
24	Dante Eduardo	Dolores Meza	Calle Miguel Ángel #439 col. Renacimiento	1993-07-15	2023950349	danteduardo93@gmail.com

```
select * from cliente where id_cliente = 24
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'LAPTOP-FISVN4LR\SQLEXPRESS'. The 'master' database is selected. The 'Results' tab in the center displays the output of the query:

```
select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle
select * from cliente
select * from cliente where id_cliente = 24
```

The results table contains 1 row of client information, corresponding to the filter applied in the previous screenshot:

id_cliente	nombre	apellido	direccion	fec_nac	telefono	email
24	Dante Eduardo	Dolores Meza	Calle Miguel Ángel #439 col. Renacimiento	1993-07-15	2023950349	danteduardo93@gmail.com

```
select * from factura where id_cliente = 24
```

SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

master | Execute | New Query | Quick Launch (Ctrl+Q)

Object Explorer | LAPTOP-FISVN4LR\SQLEXPRESS | Diagram_0 | SQLQuery5.sql - LAP...SS master (sa (78)) | 00:00:00 | 2 rows

```
select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle
select * from cliente
select * from cliente where id_cliente = 24
select * from factura where id_cliente = 24
select * from detalle where id_detalle = 34
```

Results | Messages

	id_factura	id_cliente	fecha	id_detalle
1	28	24	2022-01-22	28
2	33	24	2022-01-03	33

Ln 14 Col 1 Ch 1 INS

Ready 25°C Mayorm. nublado Buscar 15:11 ESP LAA 21/1/2024

```
select * from detalle where id_detalle = 28
```

SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

master | Execute | New Query | Quick Launch (Ctrl+Q)

Object Explorer | LAPTOP-FISVN4LR\SQLEXPRESS | Diagram_0 | SQLQuery5.sql - LAP...SS master (sa (78)) | 00:00:00 | 1 rows

```
select * from detalle
select * from cliente
select * from cliente where id_cliente = 24
select * from factura where id_cliente = 24
select * from detalle where id_detalle = 28
select * from detalle where id_detalle = 33
```

Results | Messages

	id_detalle	id_producto	cantidad	precio
1	28	29	4	1200

Ln 16 Col 1 Ch 1 INS

Ready 24°C Lluvia suave Buscar 15:12 ESP LAA 21/1/2024

```
select * from detalle where id_detalle = 33
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'master' is selected. In the center pane, a query window displays the following code and results:

```
select * from detalle
select * from detalle
select * from detalle where id_detalle = 24
select * from detalle where id_detalle = 28
select * from detalle where id_detalle = 33
```

The results pane shows a single row of data:

id_detalle	id_producto	cantidad	precio
33	30	3	1350

```
select * from producto where id_producto = 28
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'master' is selected. In the center pane, a query window displays the following code and results:

```
select * from factura where id_cliente = 24
select * from detalle where id_detalle = 28
select * from detalle where id_detalle = 33

select * from producto where id_producto = 28
select * from producto where id_producto = 33
```

The results pane shows a single row of data:

id_producto	nombre	precio	stock	id_categoria
28	Cazadora	750	12	7

```
select * from producto where id_producto = 33
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The Query Editor window contains the following SQL code:

```
select * from factura where id_cliente = 24
select * from detalle where id_detalle = 28
select * from detalle where id_detalle = 33

select * from producto where id_producto = 28
select * from producto where id_producto = 33
```

The results pane displays a single row of data from the 'producto' table:

	id_producto	nombre	precio	stock	id_categoria
1	33	Vestido corto de día	600	3	9

The status bar at the bottom right shows the date and time: 21/1/2024 15:14.

- Ana Maribel Cedillo Núñez

```
select * from cliente
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'master' is selected. A query window titled 'SQLQuery5.sql - LAPTOP-FISVN4LR\SOLEXPRESS.master (sa (78))' is open, displaying the following SQL code:

```
select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle

select * from cliente

select * from cliente where id_cliente = 4
```

The results pane shows the output of the last query, which returns 36 rows of data from the 'cliente' table. The columns are: id_cliente, nombre, apellido, direccion, fec_nac, telefono, and email. The first few rows are:

id_cliente	nombre	apellido	direccion	fec_nac	telefono	email
0	Maria Antonia	Garcia Meléndez	Calle las Gisolas #305 col. Jardines	1989-06-15	1828921321	marantonia@gmail.com
1	Oscar Germán	Wong Tabares	Calle Revolución #879 col. México	1994-01-28	2035672143	germanwong@gmail.com
2	Valentina Anastasia	Huerta Coral	Calle Ramencio #3493 col. Aviar	1992-07-03	0	valehe52@gmail.com
3	Luisa Beatriz	Rodríguez Estrada	Calle Rusefio #1903 col. Aviar	1995-02-21	2034598383	betyndri@gmail.com
4	Ana Maribel	Cedillo Núñez	Calle Ecuador #278 col. Latinoamérica	1986-09-25	1783920982	anaman86@gmail.com

```
select * from cliente where id_cliente = 4
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'master' is selected. A query window titled 'SQLQuery5.sql - LAPTOP-FISVN4LR\SOLEXPRESS.master (sa (78))' is open, displaying the same SQL code as the previous screenshot:

```
select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle

select * from cliente

select * from cliente where id_cliente = 4
```

The results pane shows the output of the last query, which returns 1 row of data from the 'cliente' table. The columns are: id_cliente, nombre, apellido, direccion, fec_nac, telefono, and email. The single row is:

id_cliente	nombre	apellido	direccion	fec_nac	telefono	email
4	Ana Maribel	Cedillo Núñez	Calle Ecuador #278 col. Latinoamérica	1986-09-25	1783920982	anaman86@gmail.com

```
select * from factura where id_cliente = 4
```

SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

master | Execute | New Query | Quick Launch (Ctrl+Q)

Object Explorer | Connect | Object Explorer | Diagrams | Scripts | Results | Messages | Properties | Task List | Task List

Results | Messages

```
Query executed successfully.
select * from factura
select * from detalle
select * from cliente
select * from cliente where id_cliente = 4
select * from factura where id_cliente = 4
select * from detalle where id_detalle = 28
select * from detalle where id_detalle = 33
```

	id_factura	id_cliente	fecha	id_detalle
1	3	4	2021-12-07	3
2	4	4	2021-08-24	4

Ln 14 Col 39 Ch 39 INS

Ready 24°C Lluvia suave Buscar 15:17 21/1/2024

```
select * from detalle where id_detalle = 3
```

SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

master | Execute | New Query | Quick Launch (Ctrl+Q)

Object Explorer | Connect | Object Explorer | Diagrams | Scripts | Results | Messages | Properties | Task List | Task List

Results | Messages

```
Query executed successfully.
select * from detalle
select * from cliente
select * from cliente where id_cliente = 4
select * from factura where id_cliente = 4
select * from detalle where id_detalle = 3
select * from detalle where id_detalle = 4
```

	id_detalle	id_producto	cantidad	precio
1	3	39	4	200

Ln 16 Col 1 Ch 1 INS

Ready 24°C Lluvia suave Buscar 15:17 21/1/2024

```
select * from detalle where id_detalle = 4
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'AkiraBoutiques' is selected. A query window titled 'SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78))' is open, displaying the following SQL code:

```
select * from categoria  
select * from detalle  
select * from cliente  
select * from cliente where id_cliente = 4  
select * from factura where id_cliente = 4  
select * from detalle where id_detalle = 3  
select * from detalle where id_detalle = 4
```

The results pane shows a single row of data from the 'detalle' table:

id_detalle	id_producto	cantidad	precio	
1	4	26	1	110

```
select * from producto where id_producto = 39
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'AkiraBoutiques' is selected. A query window titled 'SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78))' is open, displaying the following SQL code:

```
select * from cliente where id_cliente = 4  
select * from factura where id_cliente = 4  
select * from detalle where id_detalle = 3  
select * from detalle where id_detalle = 4  
select * from producto where id_producto = 39  
select * from producto where id_producto = 26
```

The results pane shows a single row of data from the 'producto' table:

id_producto	nombre	precio	stock	id_categoria
39	Aretes	50	59	10

```
select * from producto where id_producto = 26
```

The screenshot shows the Microsoft SQL Server Management Studio interface. On the left is the Object Explorer pane, which lists the database structure of 'LAPTOP-FISVN4LRSQLEXPRESS'. In the center is the 'Query Editor' window containing the following SQL code:

```
select * from cliente where id_cliente = 4
select * from factura where id_cliente = 4
select * from detalle where id_detalle = 3
select * from detalle where id_detalle = 4
select * from producto where id_producto = 39
select * from producto where id_producto = 26
```

The status bar at the bottom right indicates the session is 'sa (78)' and the duration is '00:00:00'. The results pane shows one row of data from the 'producto' table:

id_producto	nombre	precio	stock	id_categoria
26	Chamara pluma de ganso	1100	17	7

- Rodrigo Ismael Silva Ugarte

```
select * from cliente
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'master' is selected. In the center pane, a query window displays the following code:

```
select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle

select * from cliente

select * from cliente where id_cliente = 11
```

The results pane shows the output of the last query, which returns 36 rows of data. The columns are: id_cliente, nombre, apellido, direccion, fec_nac, telefono, and email. One row is highlighted for the user 'Rodrigo Ismael Silva Ugarte'.

id_cliente	nombre	apellido	direccion	fec_nac	telefono	email
1	Maria Antoneta	Garcia Meléndez	Calle las Girasol #305 col. Jardines	1989-06-15	1828921321	mariantoneta@gmail.com
2	Oscar Germán	Wong Tabares	Calle Revolución #793 col. México	1994-01-28	2035672143	germanwong@gmail.com
3	Valentina Anastasia	Huerta Coral	Calle Ramoncito #3493 col. Avaria	1992-07-03	0	valerhu92@gmail.com
4	Luisa Beatriz	Rodríguez Estrada	Calle Russo #1903 col. Avaria	1995-02-21	2034598383	betyrodr@gmail.com
5	Ana Marbel	Cedillo Núñez	Calle Ecuador #278 col. Latinoamérica	1986-09-25	1783920982	anamar86@gmail.com
6	Sara Valentina	Jiménez Sánchez	Calle Amatillo #890 col. Colonia	1990-10-23	1025675109	valesaanta@gmail.com
7	Rodrigo Enrique	García Monreal	Calle Guadiana #905 fracc. Guadiana	1993-03-29	2146982372	rodmonreal@gmail.com
8	Marina Gabriela	Villanueva Berrios	Calle Luna #560 fracc. Cozumel	1993-06-04	1161728372	marigaby@gmail.com
9	Luis Francisco	Bernal Casas	Calle Pofrío #246 col. Revolución	1996-01-22	2034573621	luispacober@gmail.com
10	Rebeca Elizabeth	Puentes Ríos	Calle Domingo #1929 col. Buerdilla	1988-10-18	123459834	rebepuentes80@gmail.com
11	Yessenia Beatriz	Quintanilla Torres	Calle Roble #405 col. Singapur	1984-01-24	1328902183	betyquintanilla@gmail.com
12	Rodrigo Ismael	Silva Ugarte	Calle Tamaino #1209 fracc. Mezquital	1996-05-14	1436784145	rodisma@gmail.com
13	Rosa Hortencia	Rosas Morales	Calle Margarita #2892 col. Jardines	1983-01-15	1923925485	rostanraee@gmail.com
14	Gabriela Cassandra	Quiñones Escobar	Calle Dolores #239 col. Del Rio	1987-11-15	2113840192	cassandra8@gmail.com
15	Sara Roberta	Moreno Moreno	Calle Colinas #912 col. Colinas del norte	1982-12-14	1244930285	sartanuber@gmail.com
16	María Fernanda	Avila Núñez	Calle Núñez #594 col. Personajes	1995-09-13	1207583929	mariafer95@gmail.com
17	Camilo Isaac	Peña Huerta	Calle Niños Héroes #1239 col. México	1987-01-20	1293904389	camilase@gmail.com
18	Zayra Manuela	Gómez López	Calle Rosales #390 Fracc. Las flores	1977-10-28	1283094033	zaygon77@gmail.com

```
select * from cliente where id_cliente = 11
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'master' is selected. In the center pane, a query window displays the following code:

```
select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle

select * from cliente

select * from cliente where id_cliente = 11
```

The results pane shows the output of the last query, which returns 1 row of data. The columns are: id_cliente, nombre, apellido, direccion, fec_nac, telefono, and email. The row for 'Rodrigo Ismael Silva Ugarte' is highlighted.

id_cliente	nombre	apellido	direccion	fec_nac	telefono	email
11	Rodrigo Ismael	Silva Ugarte	Calle Tamaino #1209 fracc. Mezquital	1996-05-14	1436784145	rodisma@gmail.com

```
select * from factura where id_cliente = 11
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer on the left, there is a tree view of database objects under the 'LAPTOP-FISVN4LR\SQLEXPRESS' connection. The 'Tables' node is expanded, showing various tables like 'factura', 'cliente', 'producto', etc. In the center, a query window titled 'SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS.master (sa (78)) - Microsoft SQL Server Management Studio' contains the following T-SQL code:

```
select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle

select * from cliente

select * from cliente where id_cliente = 11

select * from factura where id_cliente = 11
```

The status bar at the bottom of the query window indicates 'Query executed successfully.' Below the query window is a results grid titled 'Results'. The grid has four columns: 'id_factura', 'id_cliente', 'fecha', and 'id_detalle'. There are no rows displayed in the results grid.

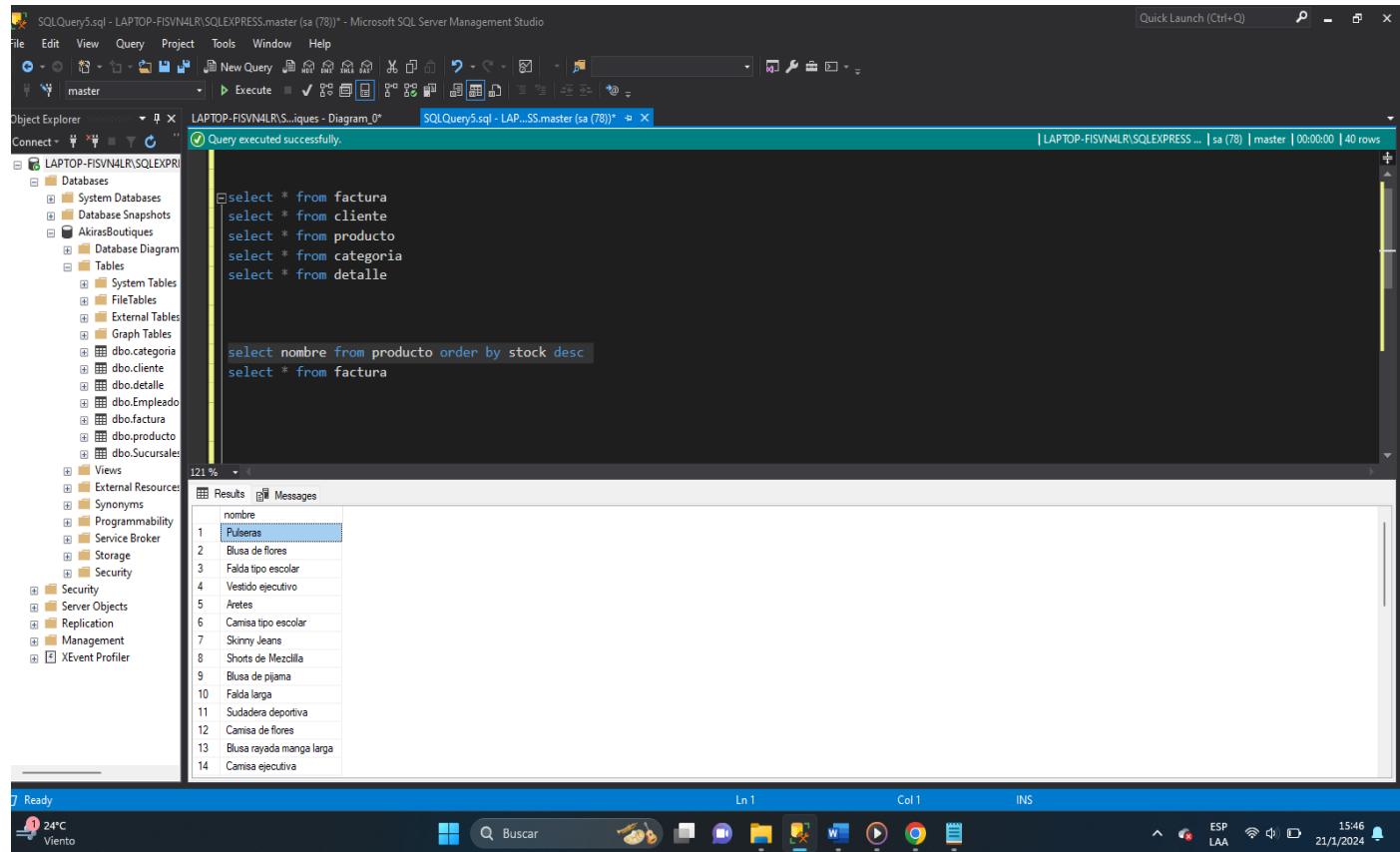
Este ultimo cliente no tiene compras

-Seleccionar el producto que más ventas ha tenido.

¿Qué producto tienen más cantidad en stock?

Con este query vizualizamos que el producto tiene mas stock

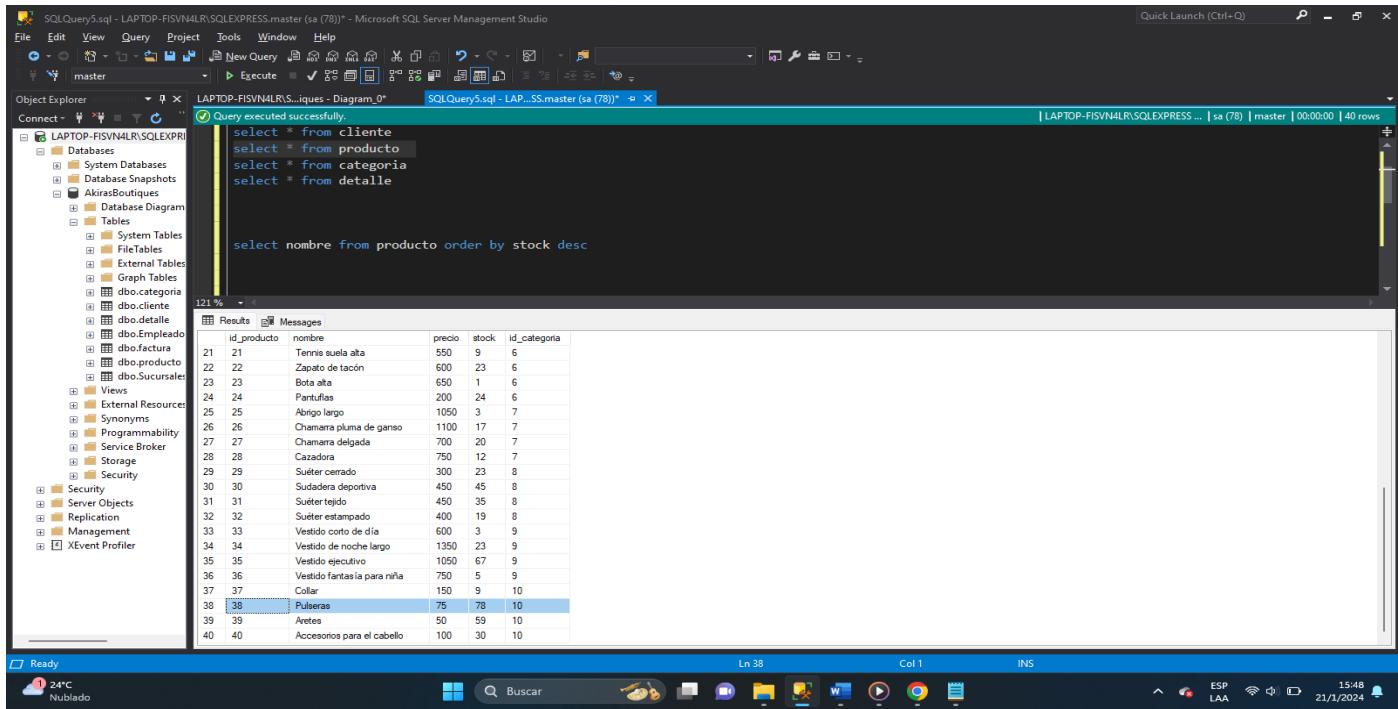
```
select nombre from producto order by stock desc
```



The screenshot shows the Microsoft SQL Server Management Studio interface. In the center, there is a results grid titled 'Results' with a single column labeled 'nombre'. The grid displays 14 rows of product names, ordered by stock quantity in descending order. The names listed are: Púleras, Blusa de flores, Falda tipo escolar, Vestido ejecutivo, Aretes, Camisa tipo escolar, Skinny Jeans, Shorts de Mezclilla, Blusa de pijama, Falda larga, Sudadera deportiva, Camisa de flores, Blusa rayada manga larga, and Camisa ejecutiva.

nombre
Púleras
Blusa de flores
Falda tipo escolar
Vestido ejecutivo
Aretes
Camisa tipo escolar
Skinny Jeans
Shorts de Mezclilla
Blusa de pijama
Falda larga
Sudadera deportiva
Camisa de flores
Blusa rayada manga larga
Camisa ejecutiva

Verificamos que así sea
`select * from producto`



The screenshot shows the Microsoft SQL Server Management Studio interface. In the center, there is a results grid titled "Results" displaying a list of products. The columns are labeled "id_producto", "nombre", "precio", "stock", and "id_categoria". The data grid contains 40 rows of product information. Row 38, which contains the value "Pulseras" in the "nombre" column, is highlighted with a blue selection bar. The status bar at the bottom right shows the date and time as "21/1/2024 15:48".

id_producto	nombre	precio	stock	id_categoria
21	Tenis suela alta	550	9	6
22	Zapato de tacón	600	23	6
23	Bota alta	650	1	6
24	Partulillas	200	24	6
25	Abrojo largo	1050	3	7
26	Chamara pluma de ganso	1100	17	7
27	Chamara delgada	700	20	7
28	Cazadora	750	12	7
29	Sueter cerrado	300	23	8
30	Sudadera deportiva	450	45	8
31	Sueter tejido	450	35	8
32	Sueter estampado	400	19	8
33	Vestido corto de día	600	3	9
34	Vestido de noche largo	1350	23	9
35	Vestido ejecutivo	1050	67	9
36	Vestido fantasía para niña	750	5	9
37	Collar	150	9	10
38	Pulseras	75	78	10
39	Aretes	50	59	10
40	Accesorios para el cabello	100	30	10

Ordenar, de la más antigua a la más reciente, las compras que ha habido en la tienda.

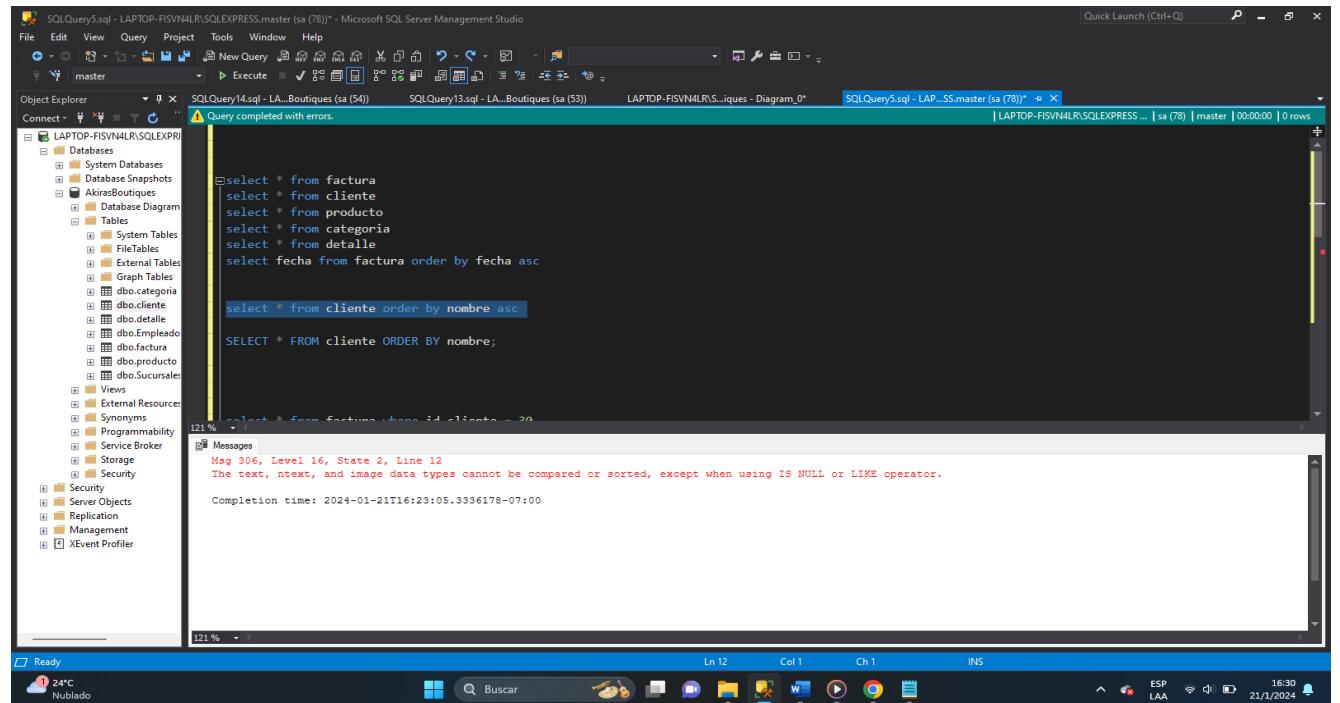
```
select fecha from factura order by fecha asc
```

The screenshot shows the Microsoft SQL Server Management Studio interface. On the left is the Object Explorer pane, which lists various database objects like Tables, Views, and Procedures under the master database. In the center is the Query Editor window, displaying the SQL query: "select fecha from factura order by fecha asc". Below the query, a status bar indicates "Query executed successfully." and "1 row(s) affected". To the right of the query window is the Results pane, which displays the output of the query as a table with one column labeled "fecha" and 28 rows of data. The data shows dates starting from 2021-06-14 and ending at 2022-01-05, ordered chronologically. At the bottom of the screen is the Windows taskbar, showing the date as 21/01/2024 and the time as 16:04.

fecha
2021-06-14
2021-07-13
2021-07-16
2021-08-19
2021-08-24
2021-08-24
2021-09-23
2021-09-24
2021-10-08
2021-10-11
2021-10-12
2021-11-10
2021-11-11
2021-11-16
2021-11-17
2021-11-18
2021-12-07
2021-12-07
2021-12-14
2021-12-21
2021-12-22
2021-12-22
2021-12-28
2021-12-30
2022-01-01
2022-01-03
2022-01-03
2022-01-04
2022-01-05

Ordenar alfabéticamente los nombres de todos los clientes de la tienda.

En este punto de la actividad no es posible ordenar como se pide debido al tipo de dato que gestionaron a la hora de hacer la tabla. (ANEXO EVIDENCIA)



SQL Server Management Studio window showing a query window with errors. The query attempts to select names from the 'cliente' table:

```

select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle
select fecha from factura order by fecha asc

select * from cliente order by nombre asc

SELECT * FROM cliente ORDER BY nombre;

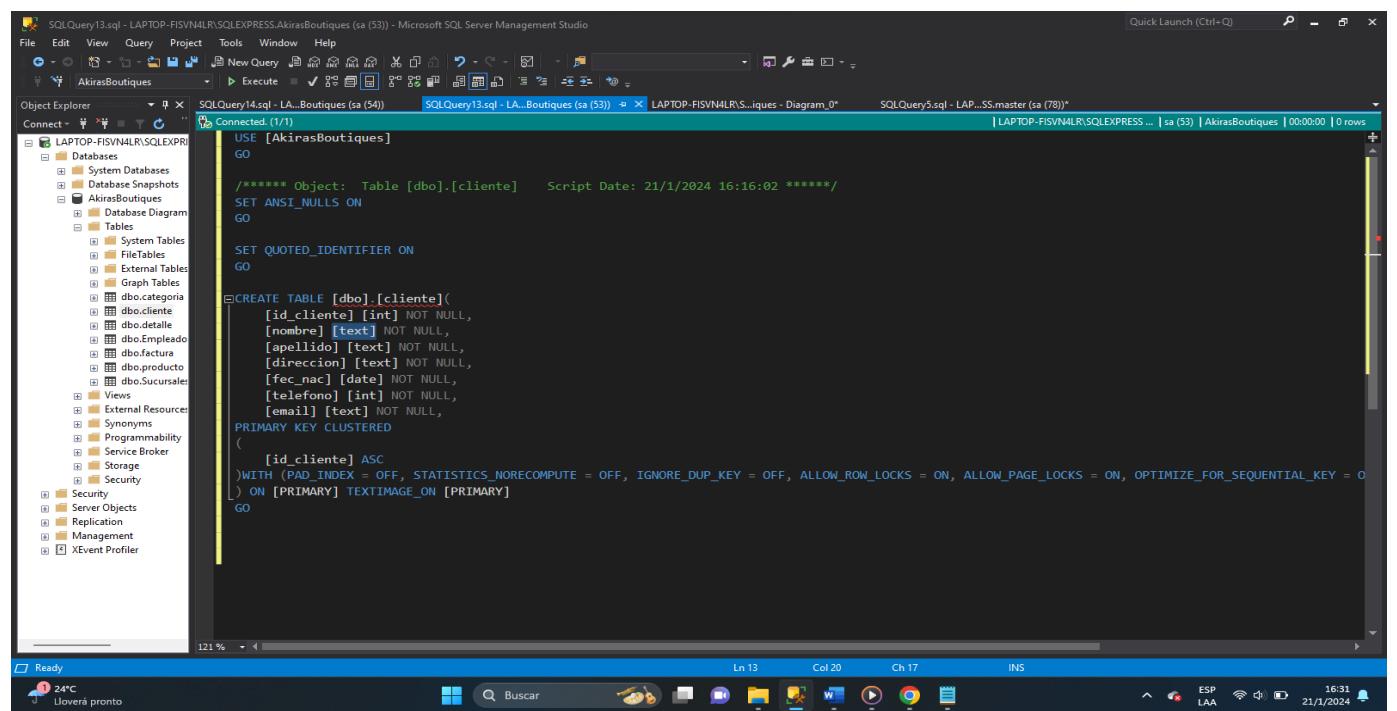
select * from factura where id_cliente = 20
  
```

The error message is:

```

Msg 306, Level 16, State 2, Line 12
The text, ntext, and image data types cannot be compared or sorted, except when using IS NULL or LIKE operator.
  
```

Completion time: 2024-01-21T16:23:05.3336178-07:00



SQL Server Management Studio window showing a query window with a table creation script for the 'cliente' table:

```

USE [AkirasBoutiques]
GO

/***** Object: Table [dbo].[cliente] Script Date: 21/1/2024 16:16:02 *****/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[cliente](
    [id_cliente] [int] NOT NULL,
    [nombre] [text] NOT NULL,
    [apellido] [text] NOT NULL,
    [direccion] [text] NOT NULL,
    [fec_nac] [date] NOT NULL,
    [telefono] [int] NOT NULL,
    [email] [text] NOT NULL,
    PRIMARY KEY CLUSTERED
    (
        [id_cliente] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = O
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
  
```

Seleccionar cuáles productos pertenecen a cada categoría:

Pasa el mismo error debido al tipo de dato. Igual en esta parte de la actividad

```
select * from categoria where nombre = 'falda'
```

- Falda

The screenshot shows the Microsoft SQL Server Management Studio interface. In the center, there is a query window with the following code:

```
select * from producto where id_detalle = 19
select * from producto
select * from categoria
select * from categoria where nombre = 'falda'
```

In the bottom-left corner of the query window, there is an error message:

Msg 402, Level 16, State 1, Line 34
The data types text and varchar are incompatible in the equal to operator.

Completion time: 2024-01-21T16:41:36.3120943-07:00

- Pantalón `select * from categoria where nombre = 'pantalon'`

The screenshot shows the Microsoft SQL Server Management Studio interface. In the center, there is a query window with the following code:

```
select * from producto where id_detalle = 19
select * from producto
select * from categoria
select * from categoria where nombre = 'pantalon'
```

In the bottom-left corner of the query window, there is an error message:

Msg 402, Level 16, State 1, Line 34
The data types text and varchar are incompatible in the equal to operator.

Completion time: 2024-01-21T16:44:30.9652230-07:00

- Chamarra `select * from categoria where nombre = 'chamarra'`

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'LAPTOP-FISVN4LR\SQLEXPRESS' is selected. In the center pane, a query window displays the following code:

```

select * from producto where id_detalle = 19

select * from producto

select * from categoria
select * from categoria where nombre = 'chamarra'

```

In the 'Messages' pane at the bottom, an error message is shown:

```

Msg 402, Level 16, State 1, Line 34
The data types text and varchar are incompatible in the equal to operator.

Completion time: 2024-01-21T16:44:59.7352658-07:00

```

- Zapatos `select * from categoria where nombre = 'zapatos'`

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'LAPTOP-FISVN4LR\SQLEXPRESS' is selected. In the center pane, a query window displays the following code:

```

select * from producto where id_detalle = 19

select * from producto

select * from categoria
select * from categoria where nombre = 'zapatos'

```

In the 'Messages' pane at the bottom, an error message is shown:

```

Msg 402, Level 16, State 1, Line 34
The data types text and varchar are incompatible in the equal to operator.

Completion time: 2024-01-21T16:45:16.6984934-07:00

```

- Accesorios

```
select * from categoria where nombre ='accesorios'
```

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, a database named 'LAPTOP-FISVN4LR\SQLEXPRESS' is selected. A query window titled 'SQLQuery5.sql - LAPTOP-FISVN4LR\SQLEXPRESS... - Microsoft SQL Server Management Studio' contains the following code:

```
select * from producto
select * from categoria
select * from categoria where nombre ='accesorios'
```

In the 'Messages' pane, an error message is displayed:

```
Msg 402, Level 16, State 1, Line 34
The data types text and varchar are incompatible in the equal to operator.
```

The system tray at the bottom of the screen shows the date and time as 21/1/2024, 16:45, and icons for weather (24°C Nublado), search, file explorer, task manager, and browser.

Seleccionar los encargados de las sucursales de la tienda Akira's Boutique

```
select nombre_de_la_persona_encargada from sucursales
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'AkirasBoutiques'. The central pane contains the following T-SQL code:

```

select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle

select * from Sucursales

select nombre_de_la_persona_encargada from sucursales

```

The results pane displays a table with the following data:

nombre_de_la_persona_encargada
daniela fernanda diaz ordaz
fernando calderon ayala
mario alberto jimenez salcido
pablo pedro lemus
samuel enrique barrios enciso
sonia alejandra fernandez moreno
tamara alejandra bernal ramos
yesenia guadalupe campos rojo

Seleccionar los empleados que trabajan en la sucursal de Akira's Boutique: Constitución

```
select * from Empleados where Sucursal_a_la_que_pertenecen = 'akira constitucion'
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'AkirasBoutiques'. The central pane contains the following T-SQL code:

```

select * from factura
select * from cliente
select * from producto
select * from categoria
select * from detalle

select * from Sucursales
select * from Empleados
select * from Empleados where Sucursal_a_la_que_pertenecen = 'akira constitucion'
select nombre_de_la_persona_encargada from sucursales

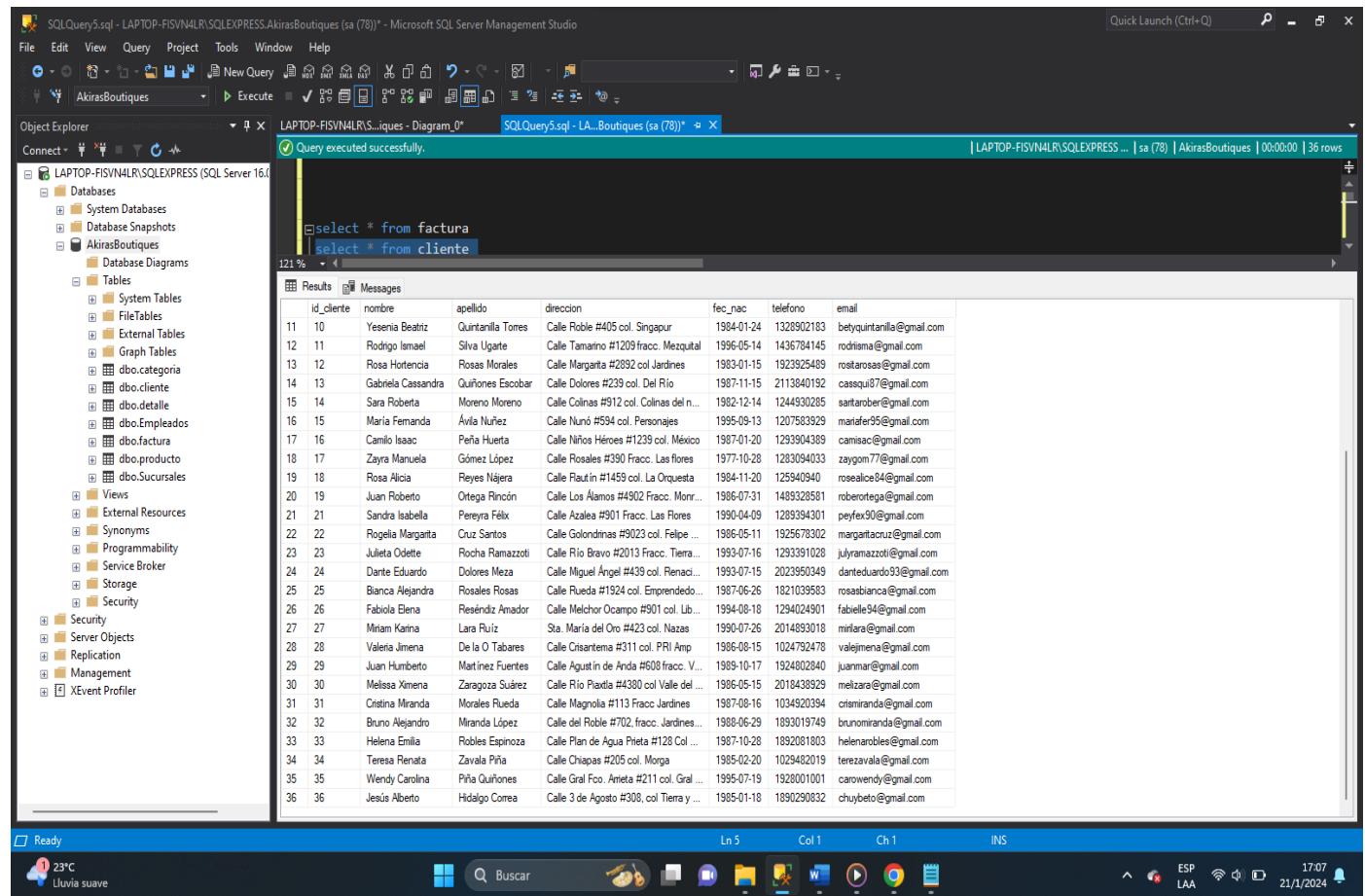
```

The results pane displays a table with the following data:

ID	Número_de_sucursal	Nombre_de_la_persona	Dirección	Número_de_telefono	Edad	Sucursal_a_la_que_pertenecen	Correo_electrónico	Contraseña
1	26	6	calle constitucion 106 zona centro	6181962954	18	akira constitucion	tamaraconstitucion@hotmail.com	tamara
2	27	6	calle constitucion 107 zona centro	6181962955	19	akira constitucion	bryconconstitucion@hotmail.com	tamara1
3	28	6	calle constitucion 108 zona centro	6181962956	20	akira constitucion	miguelconstitucion@hotmail.com	tamara2
4	30	6	calle constitucion 110 zona centro	6181962958	22	akira constitucion	diegoconstitucion@hotmail.com	tamara4

- ¿Qué clientes son mayores de 30 años?

```
select * from cliente
```



The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, the database 'AkirasBoutiques' is selected. In the center pane, a query window displays the results of the 'select * from cliente' query. The results grid has columns: id_cliente, nombre, apellido, direccion, fec_nac, telefono, and email. The data consists of 36 rows of client information.

	id_cliente	nombre	apellido	direccion	fec_nac	telefono	email
11	10	Yesenia Beatriz	Quintanilla Torres	Calle Roble #405 col. Singapur	1984-01-24	1328902183	betyquintanilla@gmail.com
12	11	Rodrigo Ismael	Silva Ugarte	Calle Tamarino #1209 fracc. Mezquital	1986-05-14	1436784145	rodrism@gmail.com
13	12	Rosa Hortencia	Rosas Morales	Calle Margarita #2892 col Jardines	1983-01-15	1923925489	rositarosa@gmail.com
14	13	Gabriela Cassandra	Quiñones Escobar	Calle Dolores #239 col. Del Rio	1987-11-15	2113840192	cassqui87@gmail.com
15	14	Sara Roberta	Moreno Moreno	Calle Colinas #912 col. Colinas del n...	1982-12-14	1244930285	santabarber@gmail.com
16	15	Maria Fernanda	Ávila Núñez	Calle Nurú #594 col. Personajes	1995-09-13	1207533929	martafer95@gmail.com
17	16	Camilo Isaac	Peña Huerta	Calle Niños Héroes #1239 col. México	1987-01-20	1293904389	camisac@gmail.com
18	17	Zaira Manuela	Gómez López	Calle Roalés #380 Fracc. Las Flores	1977-10-28	1283094033	zaygon77@gmail.com
19	18	Rosa Alicia	Reyes Nájera	Calle Raut in #1459 col. La Orquesta	1984-11-20	1259405040	rosealice84@gmail.com
20	19	Juan Roberto	Ortega Rincón	Calle Los Alamos #4902 Fracc. Mon...	1986-07-31	1489328581	roberortega@gmail.com
21	21	Sandra Isabella	Pereyra Félix	Calle Azalea #901 Fracc. Las Flores	1990-04-09	1289394301	peyrex90@gmail.com
22	22	Rogelia Margarita	Cruz Santos	Calle Golondrinas #5023 col. Felipe ...	1986-05-11	1925678302	margariacruz@gmail.com
23	23	Julietta Odette	Rocha Ramazzotti	Calle Rio Bravo #2013 Fracc. Tierra...	1993-07-16	1293391028	julyramazzoti@gmail.com
24	24	Dante Eduardo	Dolores Meza	Calle Miguel Ángel #439 col. Renaci...	1993-07-15	2023950349	danteduardo93@gmail.com
25	25	Bianca Alejandra	Rosales Rosas	Calle Rueda #1924 col. Emprendedor...	1987-06-26	1821035583	rosasbianca@gmail.com
26	26	Fabiola Elena	Reséndiz Amador	Calle Melchor Ocampo #901 col. Lib...	1994-08-18	1294024901	fabielle94@gmail.com
27	27	Miriam Karina	Lara Ruiz	Sta. María del Oro #423 col. Nazar...	1990-07-26	2014093018	mirflara@gmail.com
28	28	Valeria Jimena	De la O Tabares	Calle Cisantema #311 col. PRI Am...	1986-08-15	1024792478	valejimena@gmail.com
29	29	Juan Humberto	Martínez Fuentes	Calle Agustín de Anda #608 fracc. V...	1989-10-17	1924802840	juannmar@gmail.com
30	30	Melissa Ximena	Zaragoza Suárez	Calle Rio Piedra #4380 col Valle del...	1986-05-16	2018438923	melizara@gmail.com
31	31	Cristina Miranda	Morales Rueda	Calle Magnolia #113 Fracc. Jardines...	1987-08-16	1034920394	cristinamiranda@gmail.com
32	32	Bruno Alejandro	Miranda López	Calle del Roble #702, fracc. Jardines...	1988-06-29	1893019749	brunomiranda@gmail.com
33	33	Helena Emilia	Robles Espinoza	Calle Plan de Agua Prieta #128 Col...	1987-10-28	1892081803	helenarobles@gmail.com
34	34	Teresa Renata	Zavala Piña	Calle Chiapas #205 col. Marga...	1985-02-20	1029482019	terezavala@gmail.com
35	35	Wendy Carolina	Piña Quiñones	Calle Graf Fco. Aníbal #211 col. Gra...	1995-07-19	1928001001	carowendy@gmail.com
36	36	Jesús Alberto	Hidalgo Corea	Calle 3 de Agosto #308, col. Tierra y...	1985-01-18	1890290832	chuybeto@gmail.com

5- Conclusión

En la actualidad, las bases de datos presentan arquitecturas extensibles que permiten adaptarse a la naturaleza de los datos con los que trabajan, de tal forma que enfocan sus funcionalidades hacia la tipología particular que se maneje. Los tipos de datos clásicos conviven con nuevos tipos de datos que pueden ser definidos, y con operaciones específicas para estos.

Las únicas ventajas que pueden encontrarse en este enfoque son las relacionadas con el rendimiento, que podía en ciertos casos ser mayor que el esperable en caso de utilizar un sistema de base de datos para canalizar el trabajo con los datos y así poder tener todo organizado. Esto es así debido a que la propia especificidad de la aplicación permitía una optimización «a medida», aunque todo ello a cambio de sacrificar la flexibilidad de la aplicación, su escalabilidad, o la posibilidad de que los datos empleados pudieran ser utilizados de forma sencilla para alimentar otras aplicaciones.

6- Referencias

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