

Guía de estudio 1

Docente: Karens Medrano

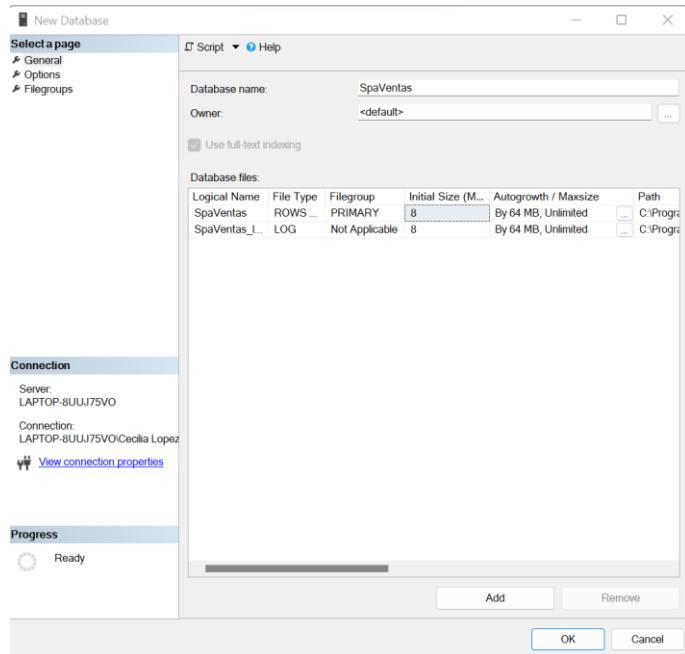
Integrantes del equipo:

Apellidos	Nombres	Carné
Jhony Arturo	García Galdámez	GG201349
Ayala González	Antonia Francisca	AG161316
De Paz Sosa	Deysi Guadalupe	DS150922
Leonor Trejo	Steffany Rocío	LT172547
López Ramírez	Cecilia Claribel	LR202910

Fecha de entrega: **sábado 16 de marzo de 2024 (vía Aula Digital)**

Ejercicio 1

1. Creación de una base de datos para unificar la data de los tres documentos .csv

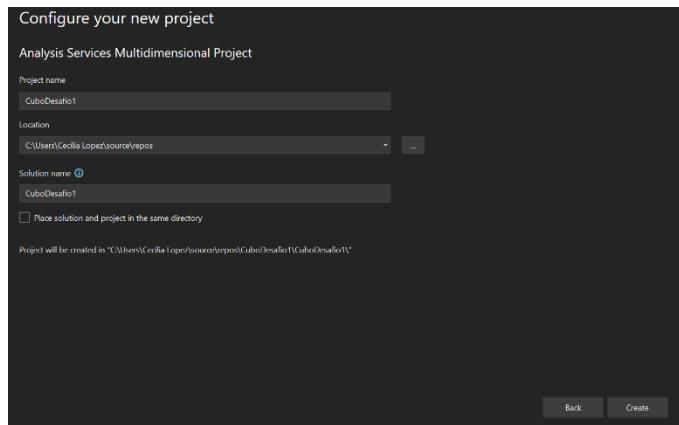


2. Importamos usando la herramienta de importación de archivos planos y creamos una nueva columna con el nombre de la sucursal a la cual pertenece cada cliente.

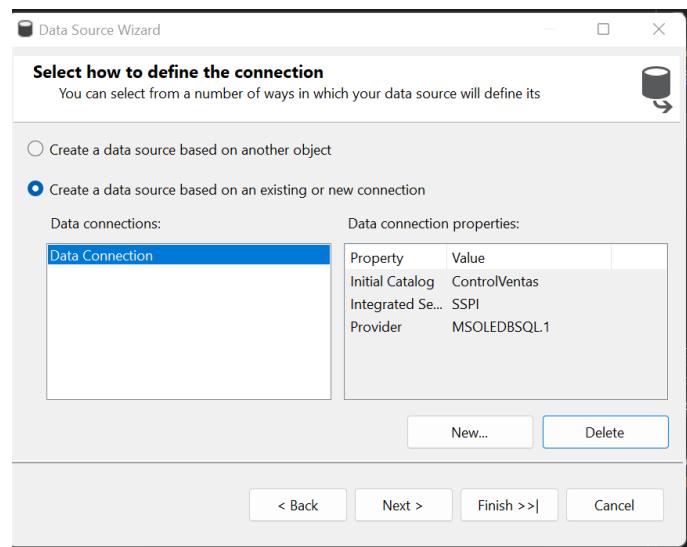
```
SELECT TOP (1000) [id]
      ,[Seo]
      ,[Ingresos]
      ,[Promoción]
      ,[Edad]
      ,[Sauna]
      ,[Masaje]
      ,[Hidro]
      ,[Yoga]
      ,[Sucursal]
```

	Seo	Ingresos	Promoción	Edad	Sauna	Masaje	Hidro	Yoga	Sucursal
1	Tomkin Stacles	1	2555.2290048675	194000005722048	21	1	0	0	SpaCentro
2	Tyson Stovens	1	2476.8011717675	5.82600009237995	29	1	1	0	1
3	Mathew Dinehart	1	1230.8000000000	1.23000000000000	23	0	0	0	SpaCentro
4	Darnell Dine-Hart	1	1307.92001935125	3.17000007629395	63	1	1	1	SpaCentro
5	Wyatt Keyte	1	1511.78002926068	2.07800009237069	41	0	0	0	SpaCentro
6	Wyatt Vort	1	772.8000000000	7.72000000000000	42	1	0	0	SpaCentro
7	Ammonebela D'Enrico	0	2749.35000765925	4.57900009237065	41	0	1	1	SpaCentro
8	Jessica Kuhn	1	1984.10996353156	2.29900009237062	51	1	1	0	SpaCentro
9	Heather Lunderberg	1	1837.8000000000	1.83700000000000	42	1	1	0	SpaCentro
10	Marcia Kuhn	0	1945.19000417959	6.36000001335144	25	1	1	0	SpaCentro
11	Pebbrook Pratton	1	1917.19000244148	5.86000001335144	37	1	1	0	SpaCentro
12	Chase McMarchiso	1	699.1001000000	8.66000001000000	34	1	0	1	SpaCentro
13	Chase McMarchiso	1	1045.28002926068	2.51900008026051	47	1	1	1	SpaCentro
14	Robnett Sawren	1	2065.13980257913	4.78000002098035	43	1	0	0	SpaCentro
15	Jessica Duxling	1	968.989990234375	3.72000002981023	47	1	0	1	SpaCentro

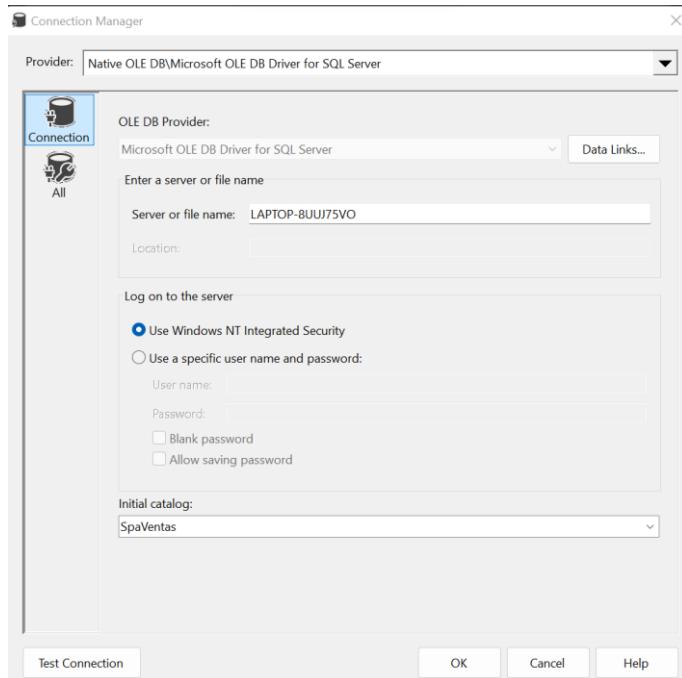
Una vez creada la información, creamos nuestra solución de tipo “Análisis de Servicios Multidimensionales”



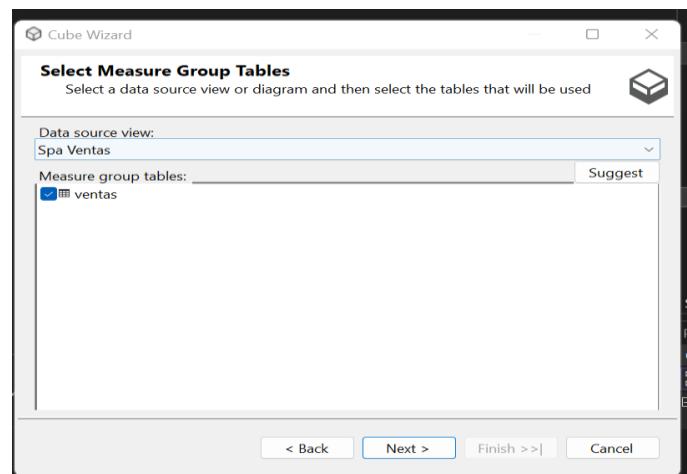
3. Colocamos la información de la base de datos que creamos en el paso 1 y creamos un origen de datos.

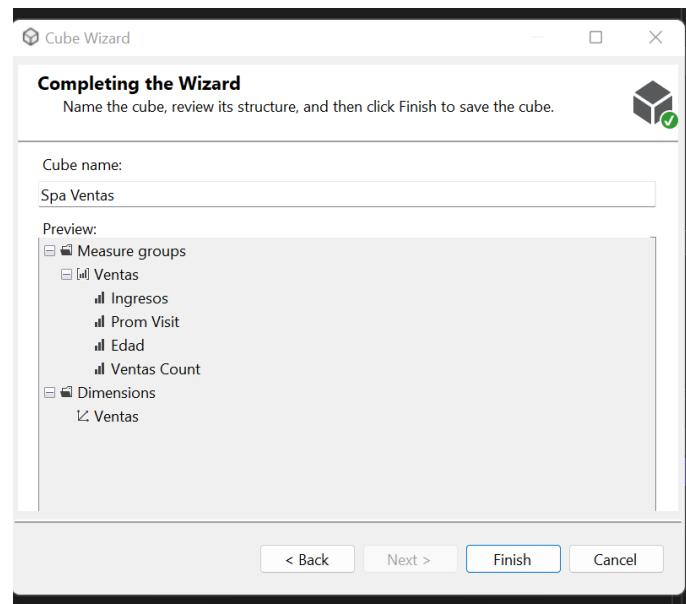
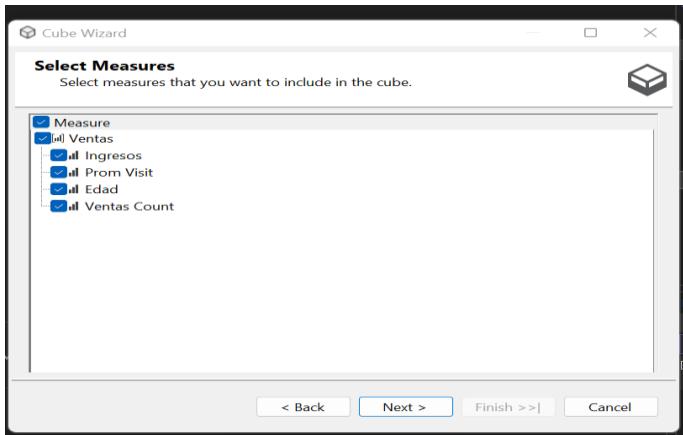


4. Validamos que la conexión a la base de datos.



5. Agregamos las tablas al cubo y revisamos la dimensión para saber las métricas que utilizaremos.

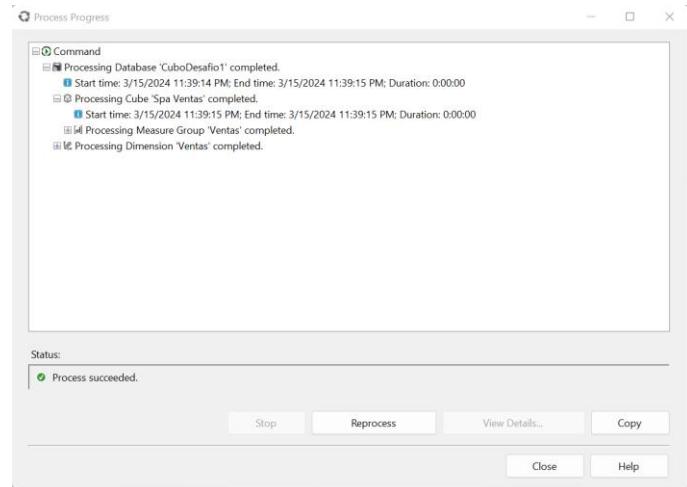
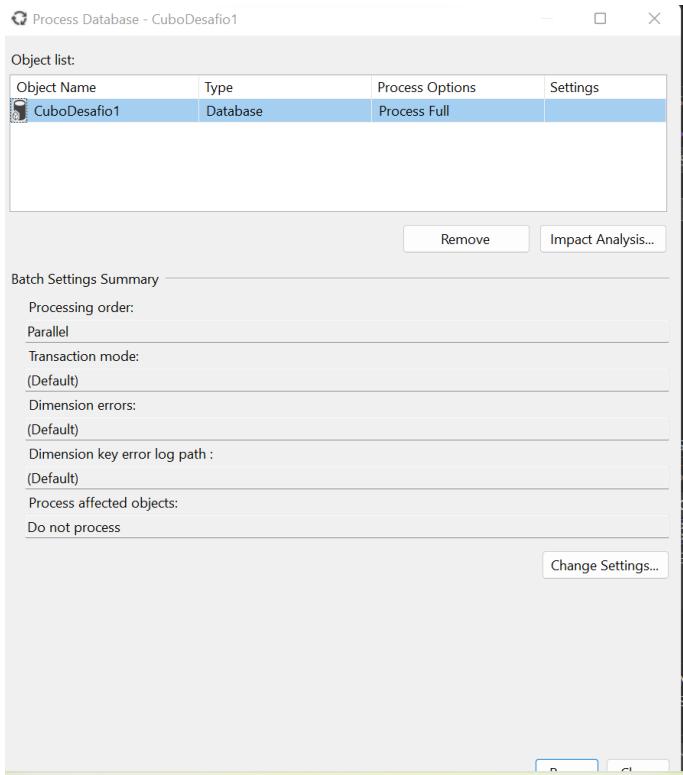




6. Una vez validamos la información realizamos las consultas. Utilizando las métricas que decidimos.

En este caso escogimos:

- Cantidad de clientes por sucursal
- Los ingresos
- La edad promedio de los clientes.

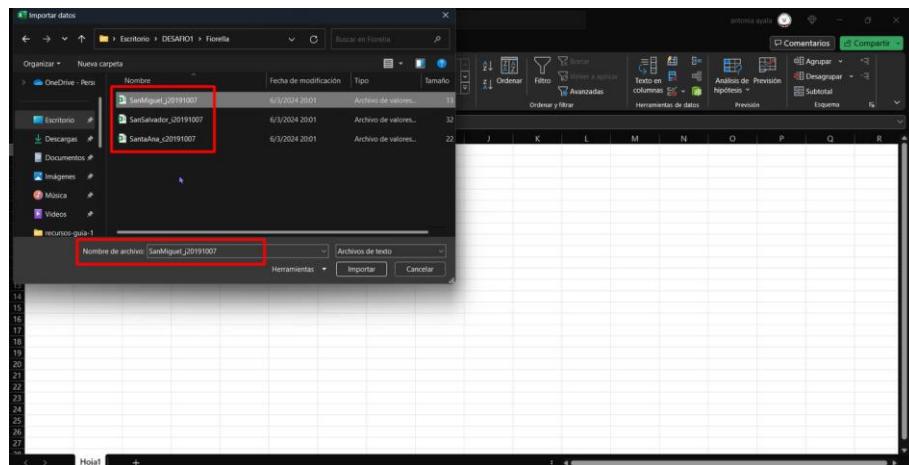
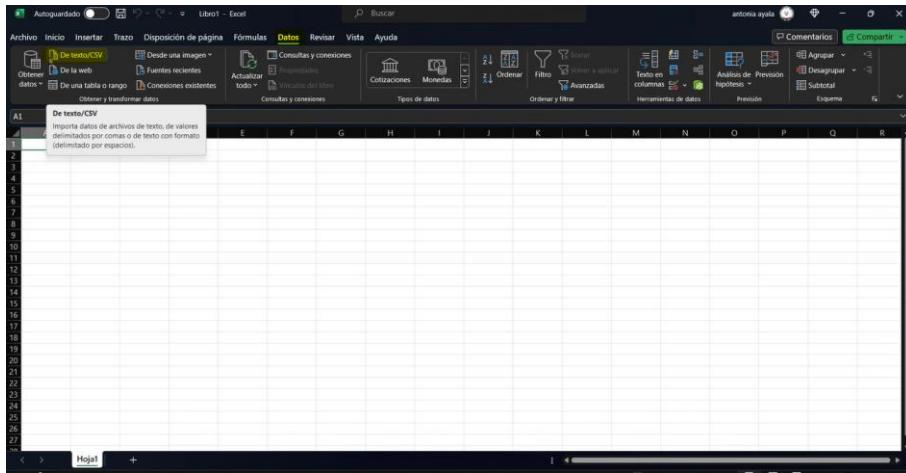


8. Se generan las consultas basadas en las métricas previamente evaluadas.

```
SELECT [dbo_ventas].[dbo_ventasingresos0_0] AS [dbo_ventasingresos0_0],[dbo_ventas],
[dbo_ventasPromVisit0_1] AS [dbo_ventasPromVisit0_1],[dbo_ventas].[dbo_ventasEdad0_2] AS
[dbo_ventasEdad0_2],[dbo_ventas].[dbo_ventas0_3] AS [dbo_ventas0_3],[dbo_ventas].[dbo_ventasSexo0_4] AS
[dbo_ventasSexo0_4],[dbo_ventas].[dbo_ventasSucursal0_5] AS [dbo_ventasSucursal0_5]
FROM
(
SELECT [ingresos] AS [dbo_ventasingresos0_0],[PromVisit] AS [dbo_ventasPromVisit0_1],[Edad] AS
[dbo_ventasEdad0_2],1 AS [dbo_ventas0_3],[Sexo] AS [dbo_ventasSexo0_4],[Sucursal] AS
[dbo_ventasSucursal0_5]
FROM [dbo].[ventas]
)
AS [dbo_ventas]
```

Name	Measure Group	Data Type	Aggregation
Clientes Sucursales Count	Clientes Sucursales	Integer	Count
Prom Visit	Clientes	Double	Sum
Edad	Clientes	SmallInt	Average...
Ingresos	Clientes	Double	Sum
Clientes Count	Clientes	Integer	Count
Add new measure...			

Ejercicio 2

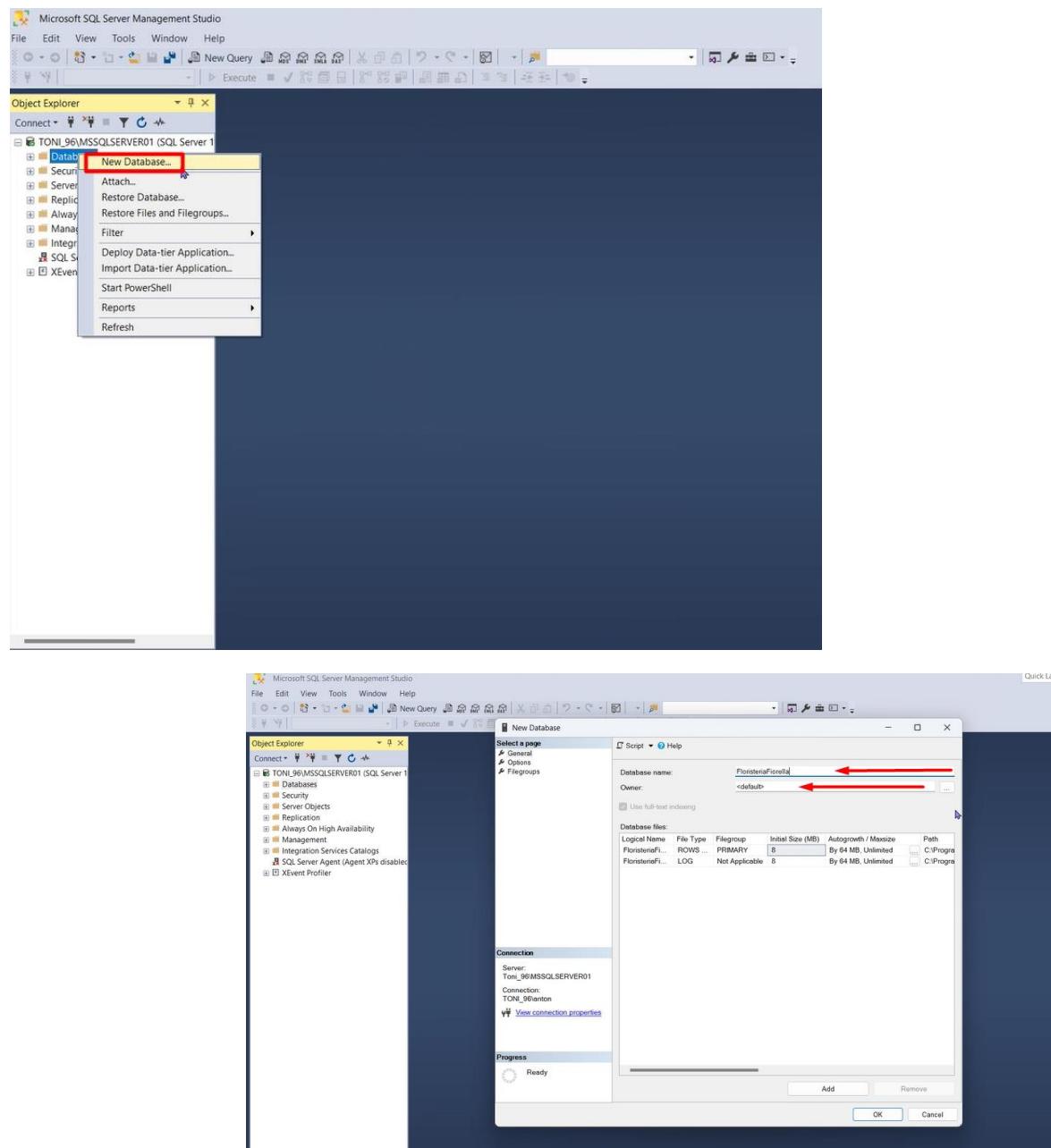


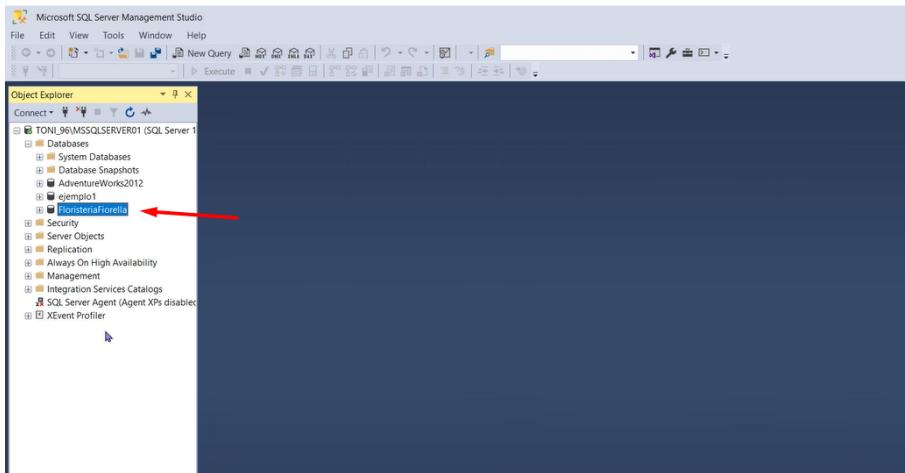
Se observa que los 3 archivos están en el mismo formato para los registros de los archivos CSV

A screenshot of Microsoft Excel showing the 'Importar datos' (Import Data) dialog box for 'SanMiguel_20191007.csv'. The 'File Origin' dropdown shows '65001: Unicode (UTF-8)'. The 'Delimiter' dropdown shows 'Comma'. The 'Data Type Detection' dropdown shows 'Based on first 200 rows'. The preview pane shows the first few rows of the CSV data.

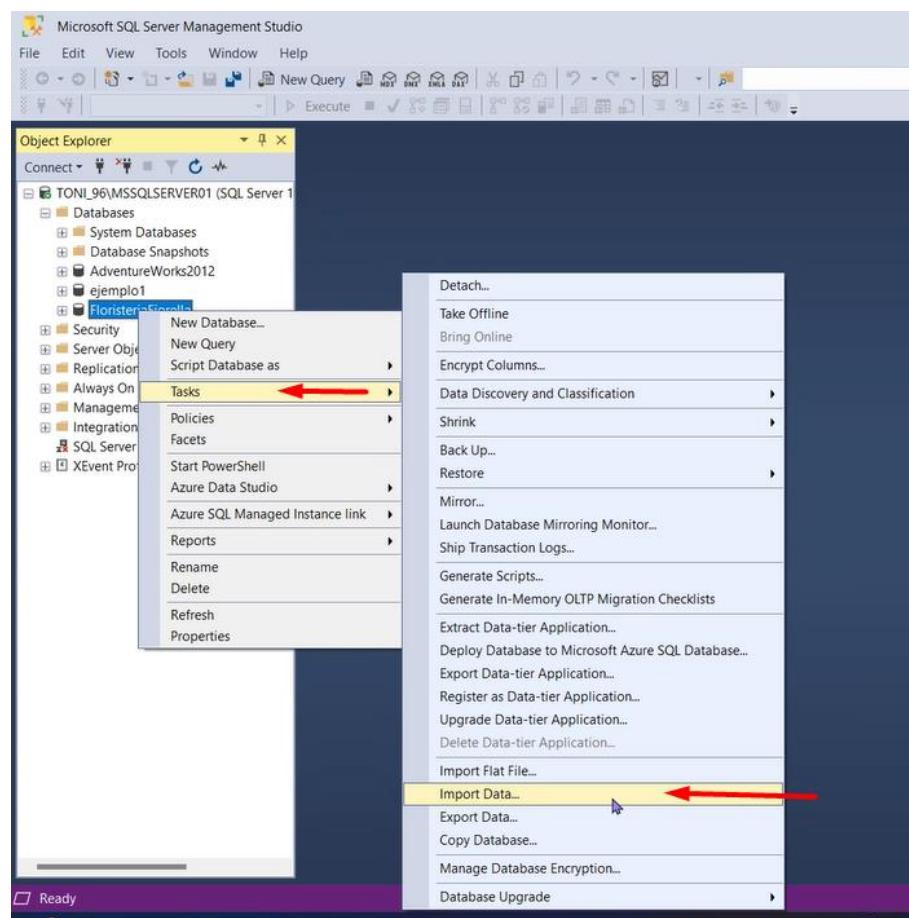
ID	Rosas	Clovelles	Mazetas	Tierra	Grisales	Hortensia	Globus	Tarjetas	Krisquillas	Carne	Jánes
Egon Greenhead	2	0	0	2	2	2	0	0	0	0	2
Elita Rorles	3	0	0	0	2	2	0	0	0	0	1
Kingley Yennell	2	1	0	0	2	2	1	1	1	1	1
Graeheme Doncos	2	0	1	2	0	0	2	1	0	0	0
Winn Mcary	2	2	0	0	2	2	0	1	1	1	0
Abigail Hollagan	2	2	0	2	0	0	0	1	1	1	0
Elidon Parrett	0	2	0	0	0	0	0	1	0	1	0
Reinhard Lamm	0	0	2	0	2	2	0	0	2	2	0
Cardine Beccomali	0	0	0	0	0	0	0	0	0	0	2
Jody Aleinick	0	1	2	1	0	2	1	0	1	0	0
Gill Asbelli	2	2	1	0	0	0	2	1	0	0	1
Jarrad Bayle	0	2	0	0	2	0	2	0	1	2	1
Carlton Osei	2	2	0	2	0	0	0	1	1	0	0
Alain Dodoley	2	2	0	2	2	0	2	0	0	0	0
Kelly Bohman	2	2	0	0	2	0	0	1	2	1	2
Didi Agnew	2	0	0	2	2	0	2	0	2	2	2
Gwendolyn	3	2	1	0	2	0	2	1	0	0	2
Larkie Jowett	2	0	2	2	0	0	0	0	0	2	0
Rechell Pitson	2	1	1	0	0	0	0	0	0	0	0
Laure Harle	0	0	0	0	0	0	0	1	0	0	0

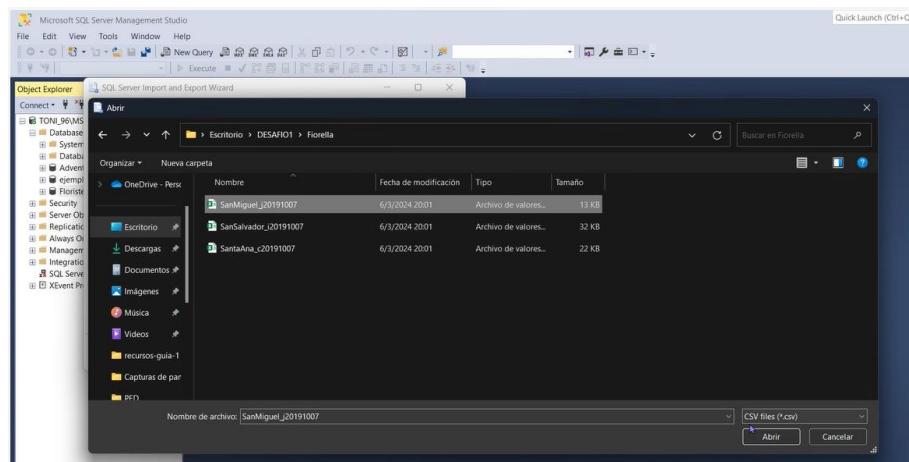
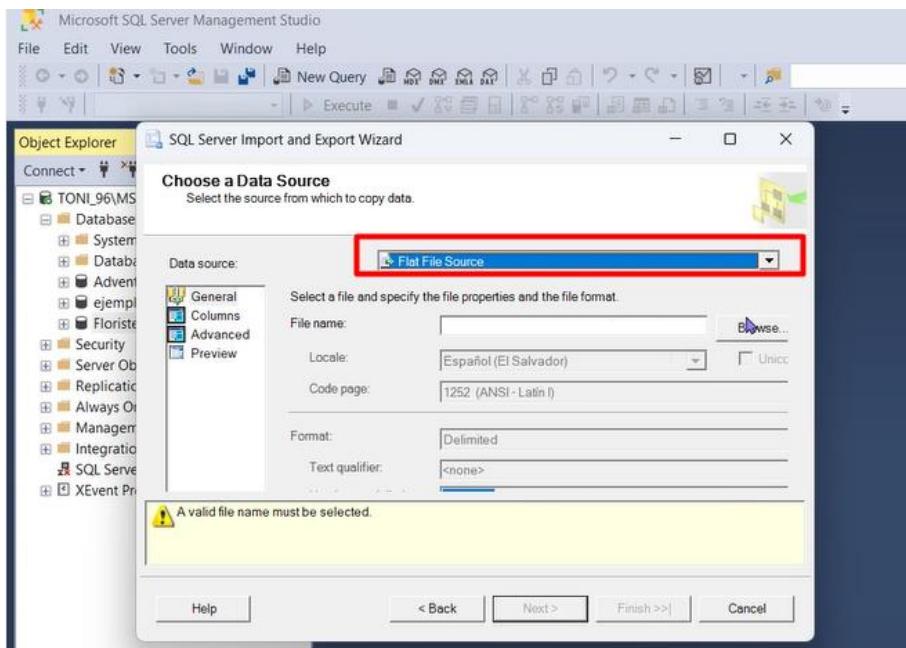
Creación de la base de datos

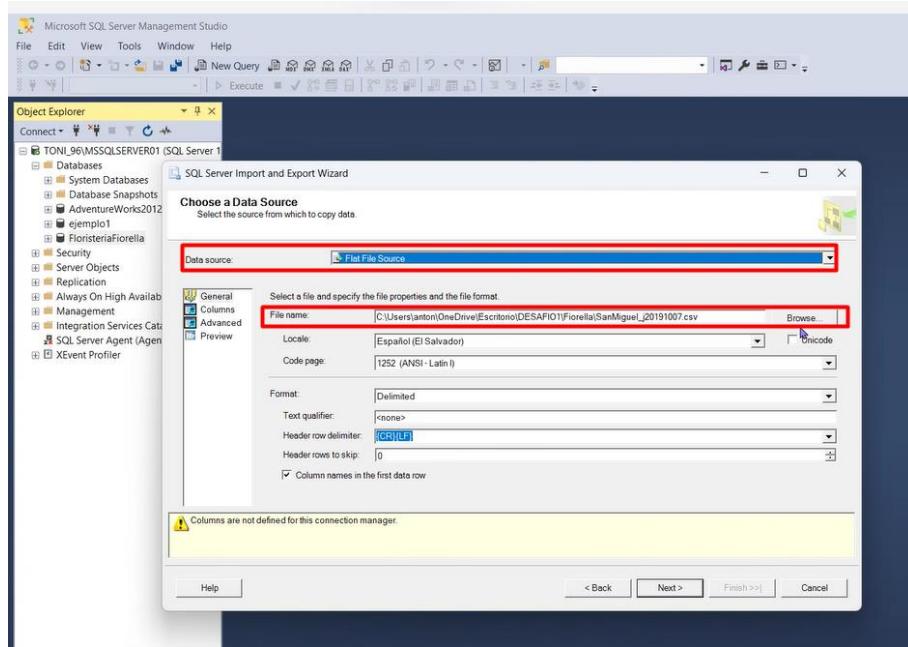




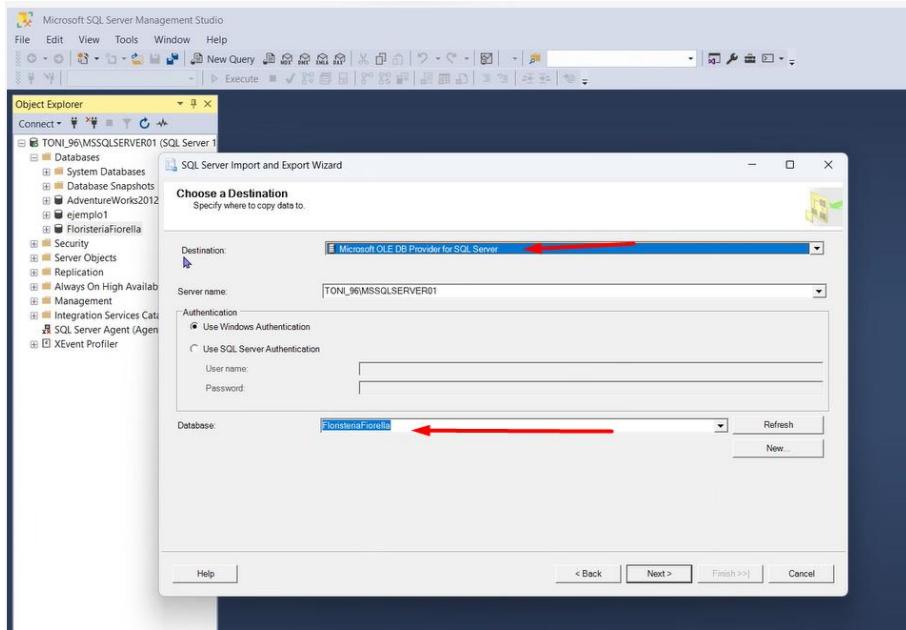
Se importarán las 3 tablas



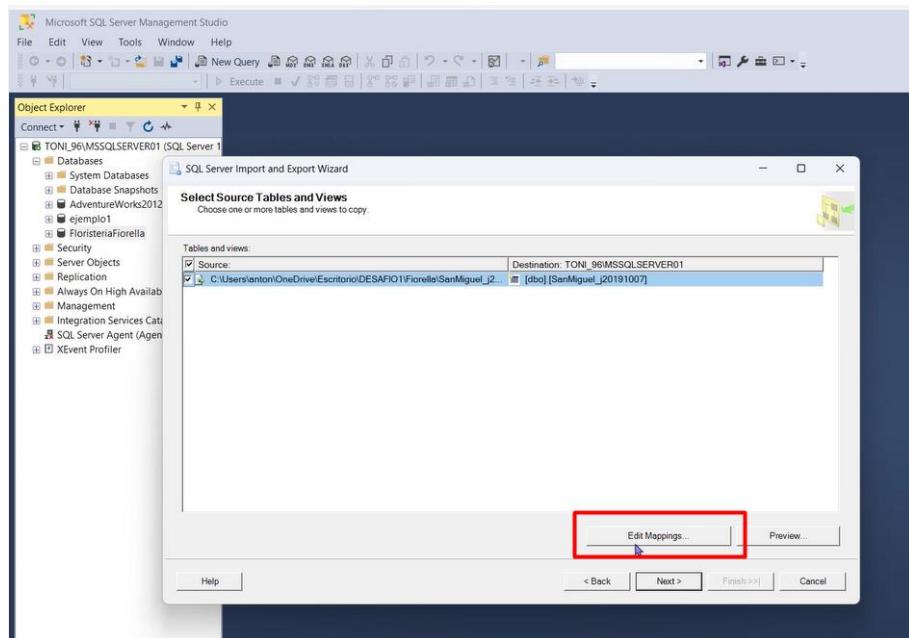


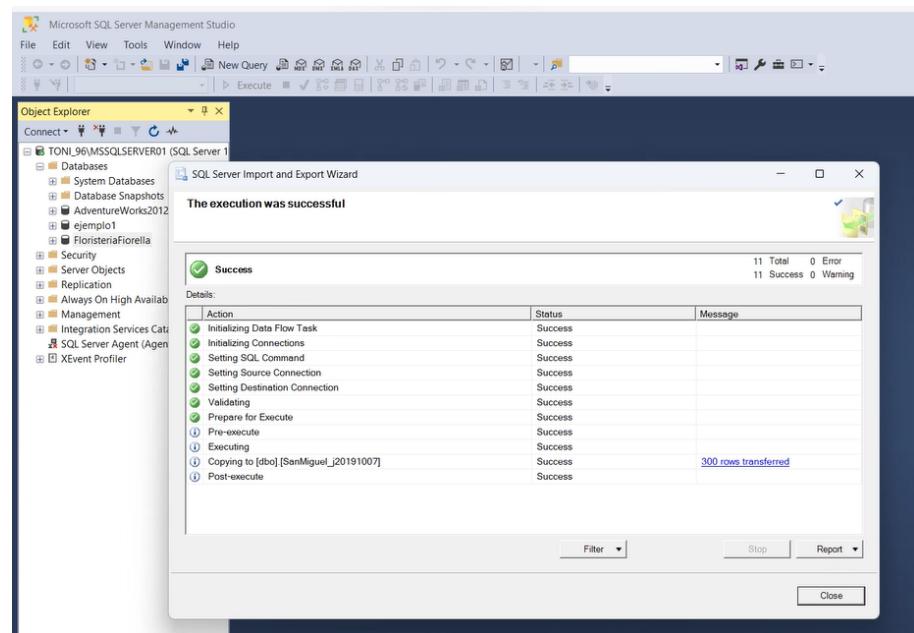
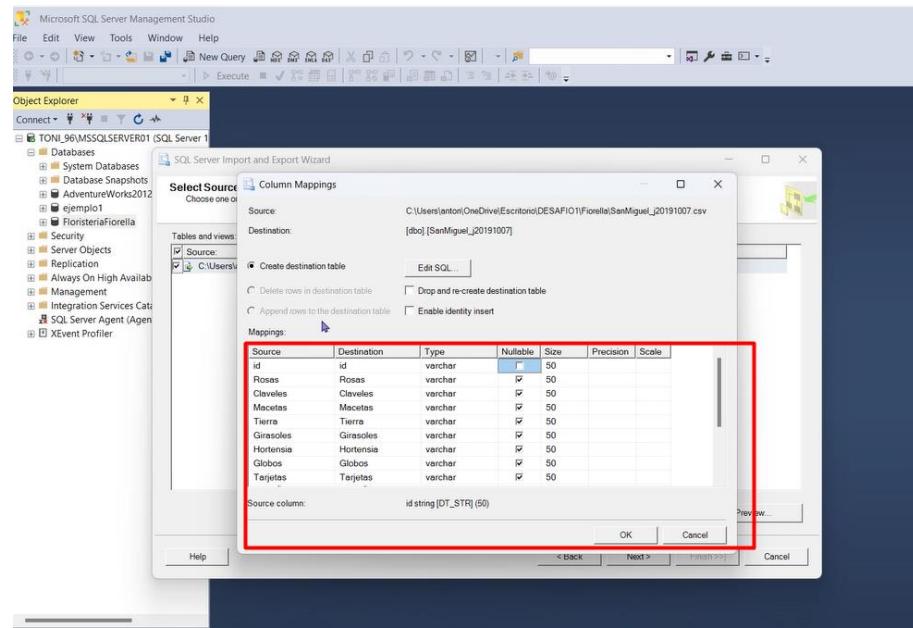


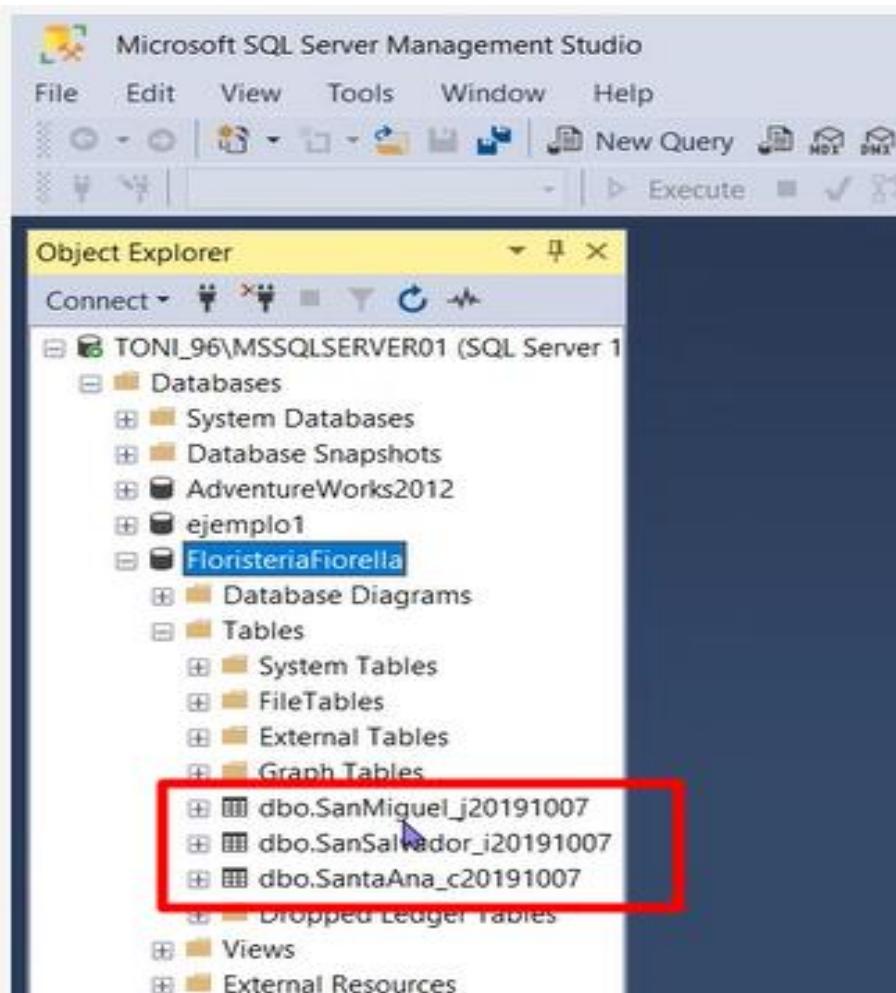
id	Roses	Claveles	Marcetas	Tier
Egon Greenhead	1	0	0	0
Ellis Bories	1	0	0	0
Kingsly Yerrell	1	1	0	0
Graehme Donson	1	0	1	1
Wini McJury	1	1	0	0
Abigail Hallegan	1	1	0	1
Eldon Parrett	0	1	0	0



Se crea el mapping de los campos de las tablas para asignarles los tipos de datos que correspondan según la información de cada columna; Se realizara el mismo procedimiento para los 3 archivos.







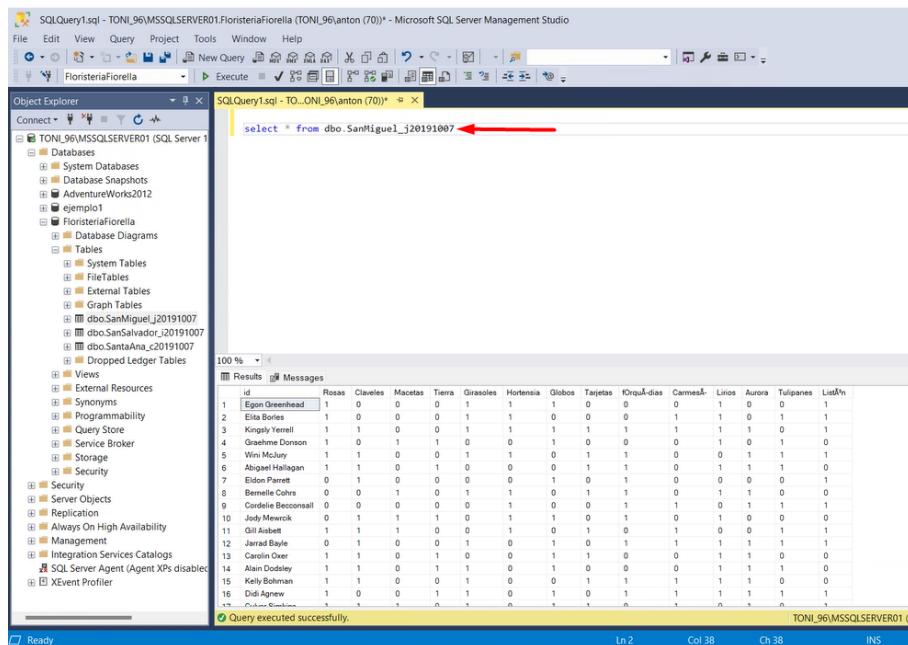
The screenshot shows the Microsoft SQL Server Management Studio Table Designer for the "dbo.SanMiguel_j20191007" table. The table structure is displayed in a grid:

Column Name	Data Type	Allow Nulls
Rosas	varchar(50)	<input type="checkbox"/>
Clavelas	varchar(50)	<input checked="" type="checkbox"/>
Macetas	varchar(50)	<input checked="" type="checkbox"/>
Tierra	varchar(50)	<input checked="" type="checkbox"/>
Girasoles	varchar(50)	<input checked="" type="checkbox"/>
Hortensia	varchar(50)	<input checked="" type="checkbox"/>
Globos	varchar(50)	<input checked="" type="checkbox"/>
Tarjetas	varchar(50)	<input checked="" type="checkbox"/>
{Orquideas}	varchar(50)	<input checked="" type="checkbox"/>
[CarnesA]	varchar(50)	<input checked="" type="checkbox"/>
Linos	varchar(50)	<input checked="" type="checkbox"/>
Aurora	varchar(50)	<input checked="" type="checkbox"/>
Tulipanes	varchar(50)	<input checked="" type="checkbox"/>
ListÃ³n	varchar(50)	<input checked="" type="checkbox"/>

Below the table grid, the "Column Properties" pane is open, showing the properties for the first column "Rosas":

- (General)
 - (Name) id
 - Allow Nulls No
 - Data Type varchar
 - Default Value or Binding
 - Length 50

Se realizará una consulta por cada tabla



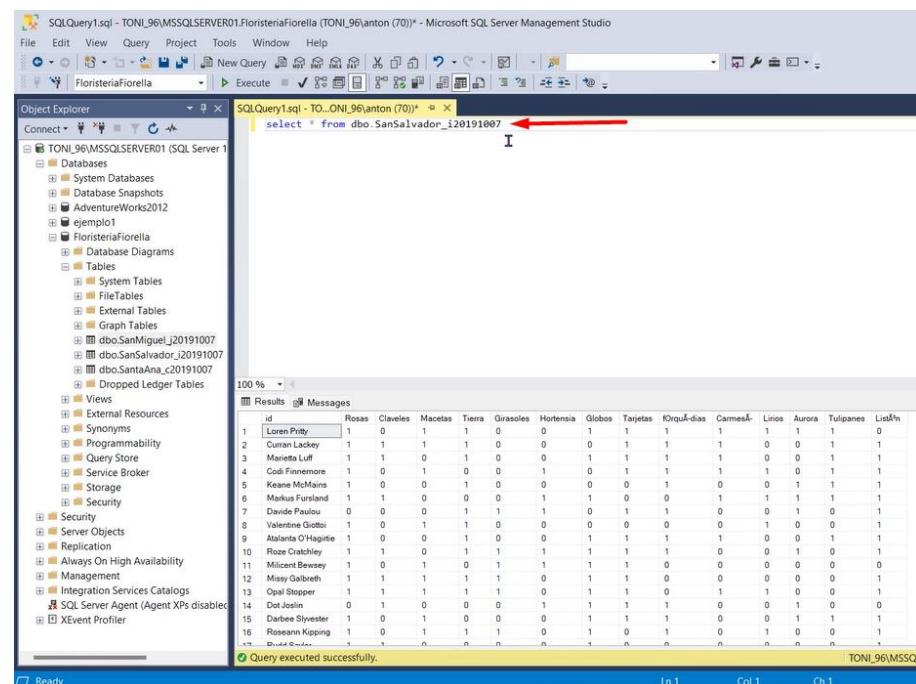
The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows a connection to 'TONI_96\MSQLSERVER01.FloristeriaFiorella'. The 'Tables' node under 'FloristeriaFiorella' is expanded, showing 'SanMiguel' and other tables like 'SanSalvador', 'SantaAna', and 'Cortinas'. The 'SQLQuery1.sql' window on the right contains the following SQL code:

```
select * from dbo.SanMiguel_j20191007
```

A red arrow points to the line of code above. The results grid below shows data for the 'SanMiguel' table:

	Rosas	Claveles	Macetas	Tierra	Girasoles	Hortensia	Globos	Tarjetas	Orquídias	Carmesí	Lirios	Aurora	Tulipanes	Lisianthus
1	Egon Greenhead	1	0	0	1	1	0	0	0	1	1	0	1	1
2	Elita Boiles	1	0	0	1	1	0	0	0	1	1	0	1	1
3	Kingsly Yerrell	1	1	0	0	1	1	1	1	1	1	0	1	1
4	Graeme Donson	1	0	1	1	0	0	0	0	0	1	0	1	0
5	Vini McJury	1	1	0	0	1	1	0	1	1	0	1	1	1
6	Abigail Hallegan	1	1	0	1	0	0	0	1	1	0	1	1	0
7	Elidon Perrett	1	1	0	0	0	1	0	1	0	0	0	0	1
8	Bernelle Colth	0	0	1	0	1	1	0	1	1	0	1	1	0
9	Cordula Beconsall	0	0	0	0	1	0	0	1	1	0	1	1	1
10	Judy Menzok	0	1	1	1	0	1	0	0	1	0	0	0	0
11	Ollie Arnsht	1	1	1	0	0	1	0	1	0	1	0	1	1
12	Jerrid Boyle	0	1	0	0	1	0	1	0	1	1	1	1	1
13	Carolin Oxer	1	1	0	1	0	1	1	0	0	1	1	0	0
14	Alain Dodstey	1	1	0	1	1	0	0	0	0	1	1	1	0
15	Kelly Bohman	1	1	0	0	1	0	0	1	1	1	1	0	0
16	Didi Agnew	1	0	0	1	0	1	0	1	1	1	1	1	1
17	Dulce Quinche	1	1	0	1	0	1	1	0	1	0	1	0	1

Below the results grid, a message bar says 'Query executed successfully.'



The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows a connection to 'TONI_96\MSQLSERVER01.FloristeriaFiorella'. The 'Tables' node under 'FloristeriaFiorella' is expanded, showing 'SanMiguel' and other tables like 'SanSalvador', 'SantaAna', and 'Cortinas'. The 'SQLQuery1.sql' window on the right contains the following SQL code:

```
select * from dbo.SanSalvador_i20191007
```

A red arrow points to the line of code above. The results grid below shows data for the 'SanSalvador' table:

	id	Rosas	Claveles	Macetas	Tierra	Girasoles	Hortensia	Globos	Tarjetas	Orquídias	Carmesí	Lirios	Aurora	Tulipanes	Lisianthus
1	Loren Prity	1	0	1	1	0	0	0	0	1	1	1	0	0	1
2	Curran Lackey	1	1	1	1	0	0	0	0	1	1	1	0	0	1
3	Marietta Luff	1	1	0	1	0	0	1	1	1	1	0	0	1	1
4	Codi Finnemore	1	0	1	0	0	1	0	0	1	1	1	0	1	1
5	Keane McMains	1	0	0	1	0	0	0	0	0	0	0	1	1	1
6	Marko Gurnett	1	1	0	0	0	0	1	1	0	0	1	1	1	1
7	Dawide Paudoo	0	0	0	1	1	1	0	1	0	0	1	1	0	1
8	Valentine Gottsi	1	0	1	1	0	0	0	0	0	0	1	0	0	1
9	Malatina O'Haginie	1	0	0	1	0	0	1	1	1	1	0	0	0	0
10	Rozie Crotchley	1	1	0	1	1	1	1	1	1	0	0	1	0	1
11	Millicent Bewsey	1	0	1	0	1	1	1	1	0	0	0	0	0	0
12	Missy Galbreth	1	1	1	1	1	0	1	1	0	0	0	0	0	1
13	Opal Stopper	1	1	1	1	1	0	1	1	0	1	1	0	0	1
14	Dot Justin	0	1	0	0	0	1	1	1	1	0	0	1	0	0
15	Darbee Sylvester	1	0	1	0	0	0	1	1	1	0	0	1	1	1
16	Roseann Kipping	1	0	1	1	0	1	0	1	0	0	1	0	0	1
17	Dulce Quinche	1	1	0	0	0	0	1	0	0	0	0	0	0	1

Below the results grid, a message bar says 'Query executed successfully.'

SQLQuery1.sql - TONI_96\mssqlserver01.FloristeriaFiorella (TONI_96\anton (70)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect -> FloristeriaFiorella

select * from dbo.SantaAna_c20191007

	Rosas	Claveles	Girasoles	Hortensia	Globos	Tarjetas	fOrquidias	CarmesA	Lirios	Aurora	Tulipanes	Listdn
1	Blake Farnell	0	0	1	1	0	1	1	0	1	1	1
2	Gwendolen Hunde	0	0	0	1	0	0	1	1	0	1	1
3	Georgiana Turnell	0	1	0	1	1	0	1	0	1	0	0
4	Giorgi McCullen	1	0	0	1	1	0	1	1	0	1	1
5	Ole Broadbent	1	0	0	0	0	1	1	1	0	1	0
6	Leroy Timmy	1	1	1	0	1	1	0	1	0	0	1
7	Karlene Meller	0	1	1	1	0	1	1	1	0	1	1
8	Raquel Oda	1	1	0	0	1	1	0	1	1	0	0
9	Merci Russelin	0	0	1	1	0	0	1	1	1	1	0
10	Jacky Drufft	0	1	0	0	1	0	1	1	0	0	0
11	Sarena Petwood	0	0	1	1	0	1	1	0	1	0	0
12	Davita Whetnell	0	0	0	0	0	0	1	1	0	1	0
13	Faythe McKomb	1	1	1	0	0	0	0	1	1	1	0
14	Cleopatra Bouton	0	0	1	1	0	1	0	1	0	1	1
15	Heda Cannin	0	0	0	1	1	0	1	1	0	1	0
16	Zita Pacey	0	0	1	0	1	0	0	1	1	1	0
17	Clu Manion	0	1	0	1	0	0	1	0	1	0	0

Query executed successfully.

Se realizarán consultas para para poder segmentar la información de los clientes por cada departamento

SQLQuery1.sql - TONI_96\anton (70) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect -> FloristeriaFiorella

```
select count([Rosas]) as Rosas from dbo.SanMiguel_120191007 where Rosas = 1
select count([Claveles]) as Claveles from dbo.SanMiguel_120191007 where Claveles = 1
select count([Girasoles]) as Girasoles from dbo.SanMiguel_120191007 where Girasoles = 1
select count([Hortensia]) as Hortensia from dbo.SanMiguel_120191007 where Hortensia = 1
select count([Lirios]) as Lirios from dbo.SanMiguel_120191007 where Lirios = 1
select count([Aurora]) as Aurora from dbo.SanMiguel_120191007 where Aurora = 1
select count([Tulipanes]) as Tulipanes from dbo.SanMiguel_120191007 where Tulipanes = 1
```

Results

	Rosas	Claveles	Girasoles	Hortensia	Lirios	Aurora	Tulipanes
1	157	137	150	150	180	180	149

Query executed successfully.

SQLQuery2.sql - TO...ONI_96\anton (68)* - Toni_96\mssqlser_nMiguel (20191007) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect -> FloristeriaFiorella

```
select [Rosas], [Claveles], [Girasoles], [Hortensia], [Lirios], [Aurora], [Tulipanes], [Macetas], [Tierra], [Globos], [Tarjetas], [fOrquidias], [CarmesA], [Listdn]
from FloristeriaFiorella dbo.SanMiguel_120191007
group by [Rosas], [Claveles], [Girasoles], [Hortensia], [Lirios], [Aurora], [Tulipanes], [Macetas], [Tierra], [Globos], [Tarjetas], [fOrquidias], [CarmesA], [Listdn]
having COUNT(*) > 1
```

	Rosas	Claveles	Girasoles	Hortensia	Lirios	Aurora	Tulipanes	Macetas	Tierra	Globos	Tarjetas	fOrquidias	CarmesA	Listdn
1	0	0	0	1	0	1	1	0	0	1	1	1	0	0
2	0	0	0	0	1	1	1	1	1	0	1	1	1	1
3	1	1	0	0	1	0	1	0	0	0	0	0	1	1

SQLQuery1.sql - TONI_96\MSQLSERVER01.Floristeriaforella (TONI_96\anton (70)) - Microsoft SQL Server Management Studio

```

select count(Rosas) as Rosas from dbo.SanSalvador_12091907 where Rosas = 1
select count(Claveles) as Claveles from dbo.SanSalvador_12091907 where Claveles = 1
select count(Girasoles) as Girasoles from dbo.SanSalvador_12091907 where Girasoles = 1
select count(Montes) as Montes from dbo.SanSalvador_12091907 where Montes = 1
select count(Lirios) as Lirios from dbo.SanSalvador_12091907 where Lirios = 1
select count(Aurora) as Aurora from dbo.SanSalvador_12091907 where Aurora = 1
select count(Tulipanes) as Tulipanes from dbo.SanSalvador_12091907 where Tulipanes = 1

```

Object Explorer

Results Messages

	Rosas	Claveles	Girasoles	Montes	Lirios	Aurora	Tulipanes
1	350	350	371	374	385	384	387

Query executed successfully.

San Salvador

SQLQuery1.sql - TONI_96\MSQLSERVER01.Floristeriaforella (TONI_96\anton (70)) - Microsoft SQL Server Management Studio

```

select count(Rosas) as Rosas from dbo.SanSalvador_12091907 where Rosas = 1
select count(Claveles) as Claveles from dbo.SanSalvador_12091907 where Claveles = 1
select count(Girasoles) as Girasoles from dbo.SanSalvador_12091907 where Girasoles = 1
select count(Montes) as Montes from dbo.SanSalvador_12091907 where Montes = 1
select count(Lirios) as Lirios from dbo.SanSalvador_12091907 where Lirios = 1
select count(Aurora) as Aurora from dbo.SanSalvador_12091907 where Aurora = 1
select count(Tulipanes) as Tulipanes from dbo.SanSalvador_12091907 where Tulipanes = 1

```

Object Explorer

Results Messages

	Rosas	Claveles	Girasoles	Montes	Lirios	Aurora	Tulipanes
1	312	312	371	374	385	384	387

Query executed successfully.

SQLQuery2.sql - TONI_96\MSQLSERVER01.Floristeriaforella (TONI_96\anton (68)) - Microsoft SQL Server Management Studio

```

select [Rosas], [Claveles],[Girasoles],[Montes],[Lirios],[Aurora],[Tulipanes],[Macetas],[Tierra],[Globos],[Tarjetas],[Forquillas],[Carmesí],[Listado]
from Floristeriaforella.dbo.SanSalvador_12091907
group by [Rosas],[Claveles],[Girasoles],[Montes],[Lirios],[Aurora],[Tulipanes],[Macetas],[Tierra],[Globos],[Tarjetas],[Forquillas],[Carmesí],[Listado]
having COUNT(*) > 1

```

Object Explorer

Results Messages

Rosas	Claveles	Girasoles	Montes	Lirios	Aurora	Tulipanes	Macetas	Tierra	Globos	Tarjetas	Forquillas	Carmesí	Listado
1	0	0	1	0	1	1	0	1	0	1	1	1	1
2	1	1	1	0	1	1	1	1	0	1	1	1	1
3	0	0	0	0	0	1	0	1	1	0	0	1	1
4	1	0	0	0	0	1	1	1	0	0	0	1	1
5	0	0	0	1	0	1	0	1	1	0	1	1	1
6	1	0	0	0	1	0	0	1	1	1	1	1	1
7	1	0	0	0	0	1	0	1	0	0	0	1	1
8	0	0	0	1	1	1	1	1	0	1	0	1	1
9	1	0	0	0	1	1	1	1	0	1	1	1	1
10	1	0	0	0	1	0	1	1	1	0	1	1	1
11	0	1	0	1	0	1	0	1	1	1	1	1	1
12	1	0	0	1	1	0	1	0	1	1	1	1	1
13	1	0	0	1	1	0	1	1	1	1	1	1	1
14	0	1	0	1	1	0	1	1	1	0	1	1	1
15	1	0	0	1	1	1	1	1	1	0	1	1	1
16	1	0	1	0	0	1	1	1	1	1	1	1	1
17	0	1	1	1	1	1	1	1	1	1	1	1	1

Query executed successfully.

Santa Ana

SQLQuery1.sql - TONI_96\MSQLSERV01.FloristeriaFlorilla (TONI_96anton (70)) - Microsoft SQL Server Management Studio

```

select count(*) as Rosas From dbo.Santana_c20191007 where Rosas = 1
select count(*) as Claveles From dbo.Santana_c20191007 where Claveles = 1
select count(*) as Girasoles From dbo.Santana_c20191007 where Girasoles = 1
select count(*) as Hortensia From dbo.Santana_c20191007 where Hortensia = 1
select count(*) as Lirios From dbo.Santana_c20191007 where Lirios = 1
select count(*) as Tulipanes From dbo.Santana_c20191007 where Tulipanes = 1

```

Results

	Rosas	Claveles	Girasoles	Hortensia	Lirios	Aurora	Tulipanes
1	246	266	263	270	260	267	

Query executed successfully.

SQLQuery2.sql - TONI_96\MSQLSERV01.FloristeriaFlorilla (TONI_96anton (68)) - Microsoft SQL Server Management Studio

```

select [Rosas], [Claveles], [Girasoles], [Hortensia], [Lirios], [Tulipanes], [Macetas], [Tierra], [Globos], [Tarjetas], [Carmesí], [Listado]
From FloristeriaFlorilla.dbo.Santana_c20191007
group by [Rosas], [Claveles], [Girasoles], [Hortensia], [Lirios], [Aurora], [Tulipanes], [Macetas], [Tierra], [Globos], [Tarjetas], [Carmesí], [Listado]
having count(*) > 0

```

Results

Rosas	Claveles	Girasoles	Hortensia	Lirios	Tulipanes	Macetas	Tierra	Globos	Tarjetas	Carmesí	Listado
1	0	0	0	0	0	0	0	0	1	1	0
2	0	0	0	0	0	1	1	0	0	1	1
3	0	0	0	1	0	1	1	0	0	1	1
4	0	1	0	0	1	0	0	0	1	1	0
5	0	0	0	0	0	0	1	1	0	1	0
6	0	0	0	1	0	0	1	0	0	1	0
7	0	0	1	0	0	1	0	0	1	0	0
8	0	0	0	0	1	0	0	1	0	1	0
9	0	1	0	0	1	0	0	0	1	1	0
10	0	1	1	1	1	0	0	0	1	1	0
11	0	1	1	1	1	1	1	1	0	0	0
12	1	0	1	1	1	1	0	0	0	1	0
13	1	0	1	1	0	1	1	1	1	0	0
15	1	1	0	1	0	0	1	0	0	1	0

Query executed successfully.

Se realizarán consultas para poder segmentar la información de los clientes por departamento

SQLQuery3.sql - TONI_96\anton (56) - Microsoft SQL Server Management Studio

```

select count(*) as Rosas
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Rosas

select count(*) as Claveles
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Claveles

select count(*) as Girasoles
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Girasoles

select count(*) as Hortensia
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Hortensia

select count(*) as Lirios
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Lirios

select count(*) as Macetas
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Macetas

select count(*) as Tierra
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Tierra

select count(*) as Globos
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Globos

select count(*) as Tarjetas
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Tarjetas

select count(*) as Carmesí
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Carmesí

select count(*) as Listado
From (select * from dbo.Santana_c20191007 union all select * from dbo.SanSalvador_c20191007 union all select * from dbo.Santina_c20191007) as ventasSV
group by ventasSV.Listado

```

Results

Rosas	Claveles	Girasoles	Hortensia	Lirios	Macetas	Tierra	Globos	Tarjetas	Carmesí	Listado
845	793	778	745	745	745	745	745	745	745	745

Query executed successfully.

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. The Object Explorer on the left lists the database structure for 'TONI_96 (anton)'. The main area contains several query panes. The top pane shows a large T-SQL script for generating a report, likely a stored procedure or a complex query involving multiple joins and unions across various tables and views. Below this, three other query panes show the results of specific queries:

- Horizontes**: Returns 1 row with values: 1, 1, 1, 1, 1, 1, 1.
- Globos**: Returns 1 row with values: 1, 1, 1, 1, 1, 1, 1.
- Tazetas**: Returns 1 row with values: 1, 1, 1, 1, 1, 1, 1.

The bottom pane indicates that the query was executed successfully.

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. The Object Explorer on the left lists the database 'FiorstrialForella' under 'TONI_96\anton' (SQL Server 2019). The Results pane at the bottom displays a query result grid with 17 rows and 12 columns. The columns are labeled: Pos#, Cawles, Horstene, Linn#, Aunra, Tulpiane, Maantse, Tuna, Globus, Taantes, Knapp-diis, Cammeli, and Luutis. The data in the grid is as follows:

Pos#	Cawles	Horstene	Linn#	Aunra	Tulpiane	Maantse	Tuna	Globus	Taantes	Knapp-diis	Cammeli	Luutis
1	0	0	0	0	1	0	0	1	0	1	0	0
2	0	0	0	0	1	0	1	0	0	1	0	0
3	0	0	0	0	1	0	0	0	1	0	1	0
4	0	0	0	1	0	1	1	0	0	1	0	1
5	0	0	0	1	0	1	0	1	0	0	1	0
6	0	0	0	1	0	1	1	0	0	1	0	0
7	0	0	0	1	0	1	1	1	0	1	1	0
8	0	0	1	0	0	1	0	0	1	0	0	1
9	0	0	1	0	0	1	0	0	0	1	0	0
10	0	0	1	0	0	1	0	1	0	1	1	0
11	0	0	1	0	1	0	1	0	0	1	0	1
12	0	0	1	0	1	0	0	1	0	0	1	0
13	0	0	1	0	1	0	1	1	0	1	0	0
14	0	0	1	1	0	0	1	0	0	1	0	0
15	0	0	1	1	0	0	1	1	0	1	0	0
16	0	0	1	1	0	0	1	1	0	1	1	0
17	0	0	1	1	0	0	1	1	0	1	1	0

The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar indicates the connection is to TONI_96(MYSQLSERVER01).FloristeriaFiorella (TONI_96anton (57)) - Microsoft SQL Server Management Studio. The Query menu is open, with 'Query executed successfully.' at the bottom.

The Object Explorer sidebar shows the database structure for TONI_96(MYSQLSERVER01), including the schema [dbo] and tables such as Rosas, Claveles, Gladiolas, etc.

The main results pane displays the output of a query:

```
SQLQuery1.sql - TO_ONI_96anton (56)*
TonI_96(MYSQLSER...-nMiguel_20191007 SQLQuery2.sql - TO_ONI_96anton (66)*
SELECT [Rosas], [Claveles], [Gladiolas], [Hortensia], [Lirios], [Aurora], [Tulipanes], [Macetas], [Tierra], [Globos], [Tarjetas], [Orquideas], [Carnes], [Listas]
FROM [dbo].[SanMiguel_20191007] AS t1
SELECT [Rosas], [Claveles], [Gladiolas], [Hortensia], [Lirios], [Aurora], [Tulipanes], [Macetas], [Tierra], [Globos], [Tarjetas], [Orquideas], [Carnes], [Listas]
FROM [dbo].[SanSalvador_20191007] AS t2
SELECT [Rosas], [Claveles], [Gladiolas], [Hortensia], [Lirios], [Aurora], [Tulipanes], [Macetas], [Tierra], [Globos], [Tarjetas], [Orquideas], [Carnes], [Listas]
FROM [dbo].[SanSantaAna_20191007] AS t3
SELECT [Rosas], [Claveles], [Gladiolas], [Hortensia], [Lirios], [Aurora], [Tulipanes], [Macetas], [Tierra], [Globos], [Tarjetas], [Orquideas], [Carnes], [Listas]
GROUP BY [Rosas], [Claveles], [Gladiolas], [Hortensia], [Lirios], [Aurora], [Tulipanes], [Macetas], [Tierra], [Globos], [Tarjetas], [Orquideas], [Carnes], [Listas]
HAVING COUNT(*) > 3
```

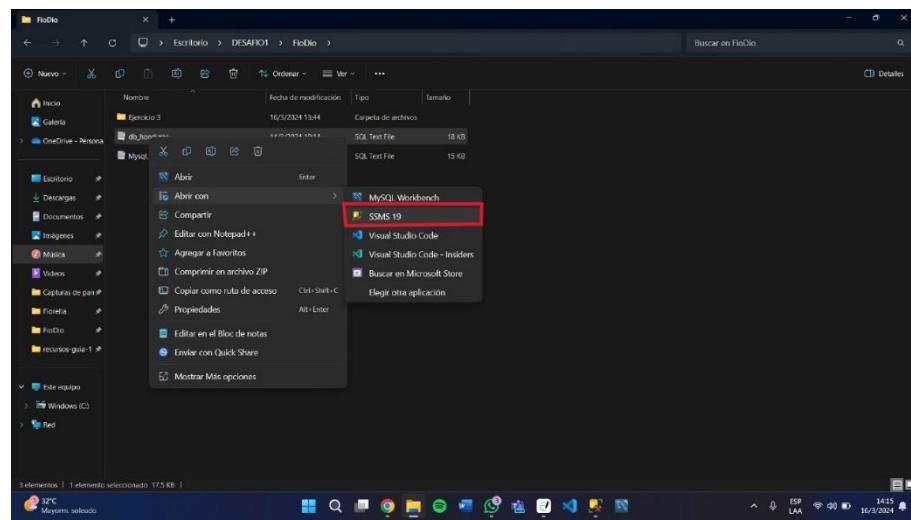
The results grid shows the following data:

Rosas	Claveles	Gladiolas	Hortensia	Lirios	Aurora	Tulipanes	Macetas	Tierra	Globos	Tarjetas	Orquideas	Carnes	Listas
1	1	0	1	0	0	1	0	1	0	0	1	1	1

Ejercicio 3

1. Se va a realizar la importación de la base de datos SQL.

Nombre	Fecha de modificación	Tipo	Tamaño
db_honduras.sql	6/3/2024 20:01	ssms.sql.19.0	18 KB
Mysql_db_roaming_costarica.sql	6/3/2024 20:01	ssms.sql.19.0	15 KB



File Edit View Query Project Tools Window Help

master Execute

Object Explorer

```
db_honduras.sql -...TONI_96\anton (58)*
```

```

insert into cliente values (1421,1,'sv-mn1421','014482905','02100107651014','MARROQUIN AREVALO');
insert into facturacion (idcliente,monto_facturacion) values (1421,56);
insert into cliente values (2164,1,'sv-mg2164','018045721','02102502640021','MAYORGA RAMIREZ');
insert into facturacion (idcliente,monto_facturacion) values (2164,90.6);
insert into cliente values (30105,1,'sv-mj30105','006305814','06142202811036','MARROQUIN MARRON');
insert into facturacion (idcliente,monto_facturacion) values (30105,80.1);
insert into cliente values (5909,1,'sv-rr5909','033652129','06101509821073','RAMIREZ DEODANES');
insert into facturacion (idcliente,monto_facturacion) values (5909,121.8);
insert into cliente values (47673,1,'sv-lr47673','020540517','06141909811370','LARA CACERES');
insert into facturacion (idcliente,monto_facturacion) values (47673,161.7);
insert into cliente values (47630,1,'sv-sr47630','004240783','10080502561016','SANCHEZ MARTIN');
insert into facturacion (idcliente,monto_facturacion) values (47630,42.6);
insert into cliente values (13188,1,'sv-pa13188','004669026','10112802731010','PINO MERINO');
insert into facturacion (idcliente,monto_facturacion) values (13188,178.4);
insert into cliente values (47665,1,'sv-cj47665','003719006','05150802480019','CASTILLO MEZQUITA');
insert into facturacion (idcliente,monto_facturacion) values (47665,135.8);
insert into cliente values (42266,1,'sv-gc42266','015646170','051112121811026','GHIRINGHELLO RODRIGUEZ');
insert into facturacion (idcliente,monto_facturacion) values (42266,57.1);
insert into cliente values (8266,1,'sv-ma8266','005598692','06141903671011','MENDEZ BENITEZ');
insert into facturacion (idcliente,monto_facturacion) values (8266,148.9);
insert into cliente values (47677,2,'sv-pg47677','009276454','05222004721013','POCASANGRE HUEY');
insert into facturacion (idcliente,monto_facturacion) values (47677,136.4);
insert into cliente values (47627,2,'sv-me47627','024544296','06072702650017','MARROQUIN AMAYA');
insert into facturacion (idcliente,monto_facturacion) values (47627,197.9);
insert into cliente values (47676,2,'sv-rj47676','008816594','05120304701017','RAMOS PEREZ');
insert into facturacion (idcliente,monto_facturacion) values (47676,92.2);
insert into cliente values (47683,2,'sv-ch47683','010622294','11092505831024','CRUZ AMAYA');
insert into facturacion (idcliente,monto_facturacion) values (47683,167.7);
insert into cliente values (47679,2,'sv-rj47679','0008833872','14162712781010','REYES SALAZAR');
insert into facturacion (idcliente,monto_facturacion) values (47679,146.2);
insert into cliente values (47710,2,'sv-ch47710','016954788','13242208681012','CHACON ARGUETA');
insert into facturacion (idcliente,monto_facturacion) values (47710,41.3);
insert into cliente values (47711,2,'sv-ms47711','043265819','11230112901016','MEDRANO RODRIGUEZ');
insert into facturacion (idcliente,monto_facturacion) values (47711,109.7);
insert into cliente values (47712,2,'sv-he47712','017719377','06140209801181','HERNANDEZ DURAI')

```

100 %

Messages

Query executed successfully.

TONI_96|MSSQLSERVER01 (16.0...) | TONI_96\anton (58) | master | 00:00:00 | 0 rows

Ln 2 Col 1 Ch 1 INS 25°C

Object Explorer

Connect ▾

TONI_96|MSSQLSERVER01 (SQL Server 16.0.1000)

- Databases
 - System Databases
 - AdventureWorks2012
 - db_roaming_honduras**
 - ejemplo1
 - FloristeriaFiorella
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

```

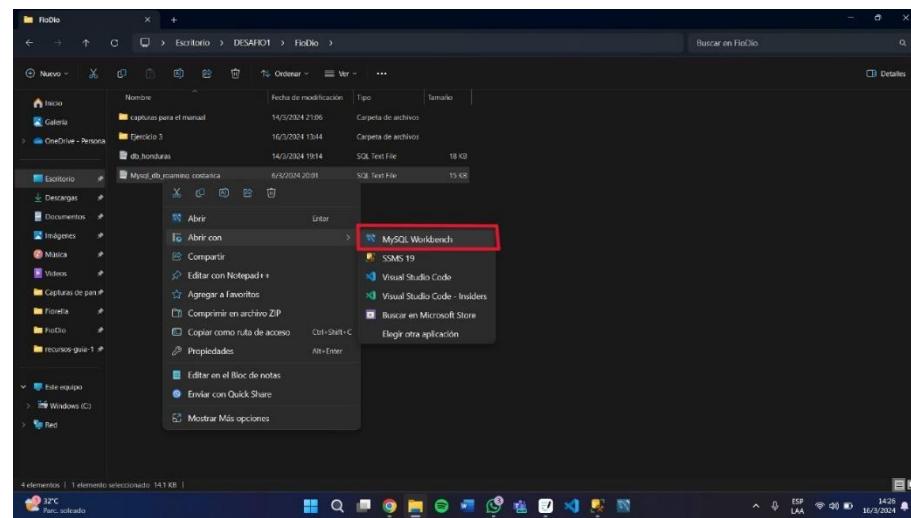
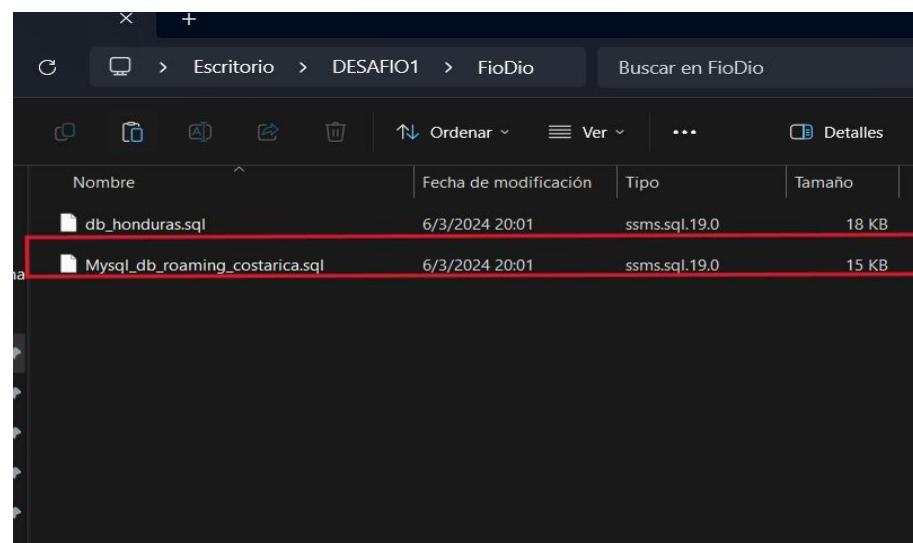
'sv-ba47686','001194832','06142512590060','BENITEZ ARGUETE';
monto_facturacion) values (47686,195.4);
'sv-ac3746','019271511','04111206530015','ARDON GAVARRETE';
monto_facturacion) values (3746,20);
'sv-pc47670','010402432','07142305731026','PALACIOS DE GUERRERO';
monto_facturacion) values (47670,97.3);
'sv-cf47692','016033299','06141610450026','CASTILLO GRIJA';
monto_facturacion) values (47692,111.1);
'sv-rc47664','005693719','061409203831321','ROSALES MACHAD';
monto_facturacion) values (47664,183.8);
'sv-co47689','024733007','10102906650011','CARRILLO TURCI';
monto_facturacion) values (47689,163.9);
'sv-nf47700','008891316','06140912580163','MIXCO LOPEZ';
monto_facturacion) values (47700,77.6);
'sv-oj47681','023747142','14160802600014','ORTIZ HERNANDEZ';
monto_facturacion) values (47681,55.4);
'sv-ud47691','008095449','14030711551011','UMANZOR DE RIVAS';
monto_facturacion) values (47691,184.4);
'sv-sm1054','024082919','02030510681014','SALAZAR DE SERME';
monto_facturacion) values (1054,166.8);
'sv-om47682','003565392','12172412781040','OLIVARES RUIZ';
monto_facturacion) values (47682,130);
'sv-fr47663','010757691','06142405600136','FONG HERNANDEZ';
monto_facturacion) values (47663,80.9);
'sv-q47695','006196100','06142903580100','QUINTANILLA DE';
monto_facturacion) values (47695,167.1);
'sv-mh23670','023137509','11142601701015','MARTINEZ ORTIZ';
monto_facturacion) values (23670,20.9);
'sv-mm47693','003104594','07022402530010','MEJIA ';
'mANUELA';
monto_facturacion) values (47693,144.9);

```

VER01 (16.0...) | TONI_96\anton (58) | db_roaming_honduras | 00:00:00 | 0 rows

7 Ready

2. Se va a realizar la importación de la base de datos MYSQL.



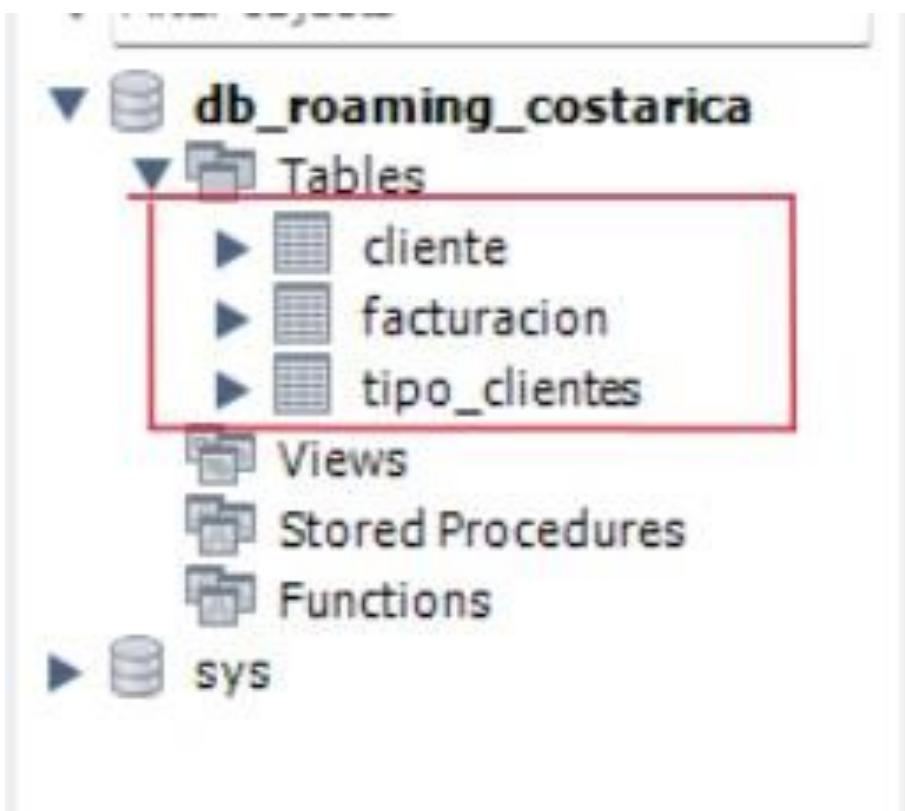
```
Mysql _Db_roaming_costarica
Limit to 1000 rows
1 -- phpMyAdmin SQL Dump
2 -- version 4.7.4
3 -- https://www.phpmyadmin.net/
4 --
5 -- Servidor: 127.0.0.1
6 -- Tiempo de generación: 20-08-2019 a las 21:28:16
7 -- Versión del servidor: 10.1.26-MariaDB
8 -- Versión de PHP: 7.1.9
9
10 • SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
11 • SET AUTOCOMMIT = 1;
12 • START TRANSACTION;
13 • SET time_zone = "+00:00";
14
15
16 • /*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
17 • /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
18 • /*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
19 • /*!40101 SET NAMES utf8mb4 */;
20
21 --
```

The screenshot shows the phpMyAdmin Query Editor interface. The top bar includes tabs for 'Query 1' and 'SQL File 1*'. Below the tabs is a toolbar with various icons, one of which is highlighted with a red box. The main area displays a SQL dump of the 'db_roaming_costarica' database. The code is color-coded, with comments in gray and other text in black. Lines 1 through 10 show the initial connection information, while lines 12 through 15 show the start of the transaction setup.

```
1 • use db_roaming_costarica;
2
3 -- phpMyAdmin SQL Dump
4 -- version 4.7.4
5 -- https://www.phpmyadmin.net/
6 --
7 -- Servidor: 127.0.0.1
8 -- Tiempo de generación: 20-08-2019 a las 21:28:16
9 -- Versión del servidor: 10.1.26-MariaDB
10 -- Versión de PHP: 7.1.9
11
12 • SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
13 • SET AUTOCOMMIT = 0;
14 • START TRANSACTION;
15 • SET time_zone = "+00:00";
```

Output:

Action Output



3. Se examinan las estructuras y los datos de las tablas SQL y MySQL.

The screenshot shows the 'Object Explorer' and 'Table Designer' panes of SQL Server Management Studio. The 'Object Explorer' shows a connection to 'TONI_96\MSQLSERV... - dbas - dbo.cliente'. The 'Table Designer' pane displays the structure of the 'dbo.cliente' table. The columns are:

Column Name	Data Type	Allow Nulls
idtipocliente	int	<input type="checkbox"/>
codigo_cliente	varchar(15)	<input type="checkbox"/>
dui	varchar(9)	<input type="checkbox"/>
nit	varchar(14)	<input type="checkbox"/>
apellidos	varchar(250)	<input type="checkbox"/>
nombres	varchar(250)	<input type="checkbox"/>
sexo	char(1)	<input type="checkbox"/>
numero_telefono	varchar(8)	<input type="checkbox"/>
estado	char(1)	<input type="checkbox"/>

MySQL Workbench

Local instance wampmysqld5... x

File Edit View Query Database Server Tools Scripting Help

Navigator: db_roaming_costarica

SCHEMAS

Tables

Info Columns Indexes Triggers Foreign keys Partitions Grants DDL

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
idcliente	int		NO	latin1	latin1_swedish_ci	select,insert,update,references		
idtipocliente	int		NO	latin1	latin1_swedish_ci	select,insert,update,references		
codigo_cliente	varchar(15)		NO	latin1	latin1_swedish_ci	select,insert,update,references		
dul	varchar(9)		NO	latin1	latin1_swedish_ci	select,insert,update,references		
nit	varchar(14)		NO	latin1	latin1_swedish_ci	select,insert,update,references		
apellidos	varchar(250)		NO	latin1	latin1_swedish_ci	select,insert,update,references		
nombres	varchar(250)		NO	latin1	latin1_swedish_ci	select,insert,update,references		
sexo	char(1)		NO	latin1	latin1_swedish_ci	select,insert,update,references		
numero_telefono	varchar(8)		NO	latin1	latin1_swedish_ci	select,insert,update,references		
estado	char(1)		NO	latin1	latin1_swedish_ci	select,insert,update,references		

Administration Schemas Information

Table: cliente

Columns

idcliente int PK
idtipocliente int
codigo_cliente varchar(15)

Object Explorer

Connect ▾ TONI_96\SQLSERVER01 (SQL Server 1)

- Databases
- System Databases
- Database Snapshots
- AdventureWorks2012
- db_roaming_honduras
- Database Diagrams
- Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.cliente
 - dbo.facturacion
 - dbo.tipo_clientes
 - Dropped Ledger Tables
- Views
- External Resources

Toni_96\SQLSERV... - dbo.facturacion

Column Name	Data Type	Allow Nulls
idfacturacion	int	<input type="checkbox"/>
idcliente	int	<input type="checkbox"/>
monto_facturacion	decimal(10, 2)	<input type="checkbox"/>

Navigator: db_roaming_costarica

SCHEMAS

Tables

Info Columns Indexes Triggers Foreign keys Partitions Grants DDL

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
idfacturacion	int		NO	latin1	latin1_swedish_ci	select,insert,update,references		
idcliente	int		NO	latin1	latin1_swedish_ci	select,insert,update,references		
monto_facturacion	decimal(10,2)		NO	latin1	latin1_swedish_ci	select,insert,update,references	auto_increment	

Object Explorer

Connect ▾ TONI_96\SQLSERVER01 (SQL Server 1)

- Databases
- System Databases
- Database Snapshots
- AdventureWorks2012
- db_roaming_honduras
- Database Diagrams
- Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.cliente
 - dbo.facturacion
 - dbo.tipo_clientes
 - Dropped Ledger Tables
- Views
- External Resources

Toni_96\SQLSERV... - dbo.tipo_clientes

Column Name	Data Type	Allow Nulls
idtipocliente	int	<input type="checkbox"/>
nombre_tipo	varchar(100)	<input type="checkbox"/>

MySQL Workbench - Local instance wampmysqld5...

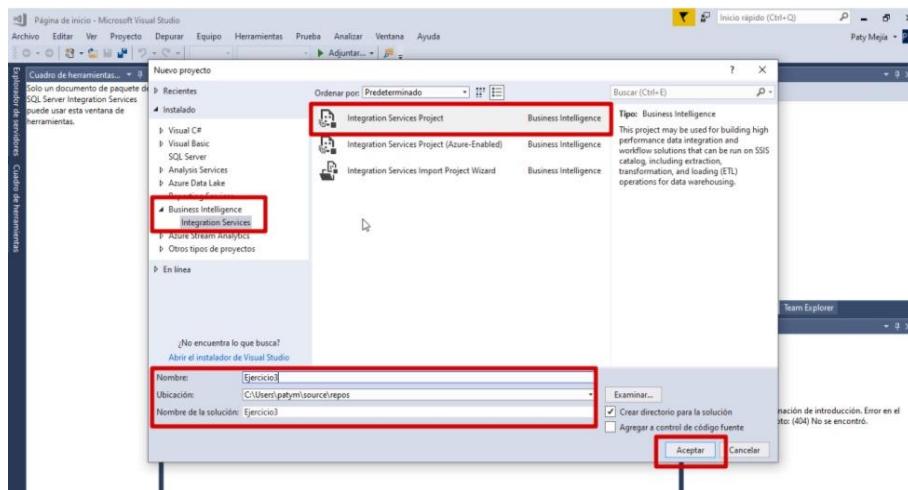
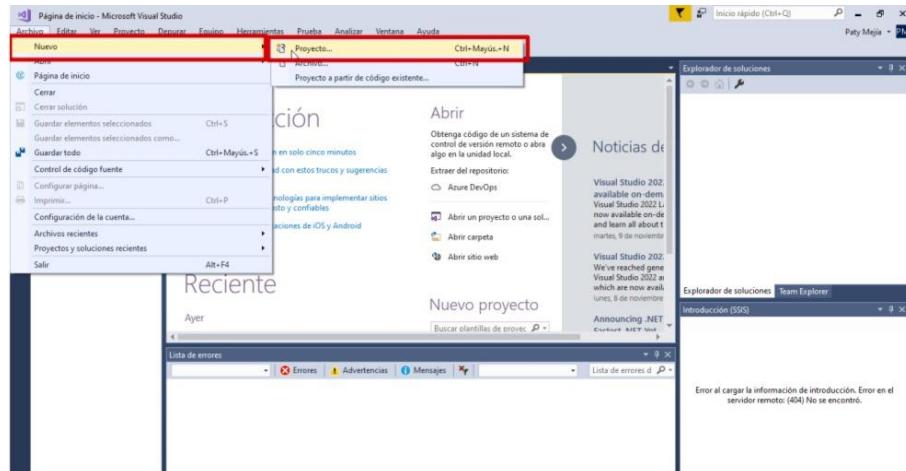
Schemas: db_roaming_costarica

Tables: cliente, facturacion, tipo_cliente

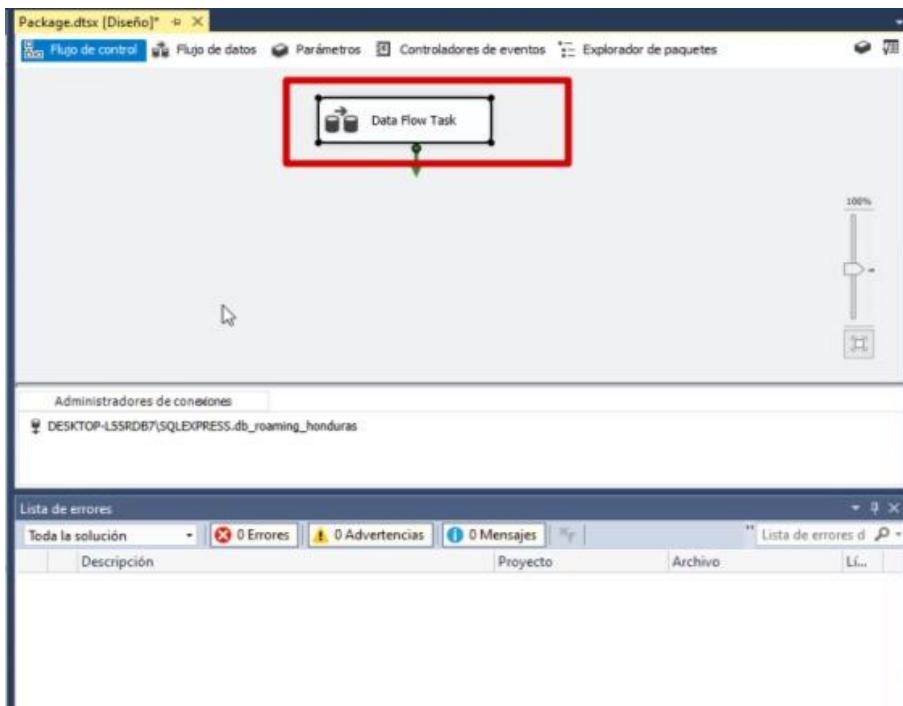
Columns:

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra
idtipocliente	int		NO		latin1_swedish_ci	select,insert,update,references	
nombre_tipo	varchar(100)		NO	latin1	latin1_swedish_ci	select,insert,update,references	

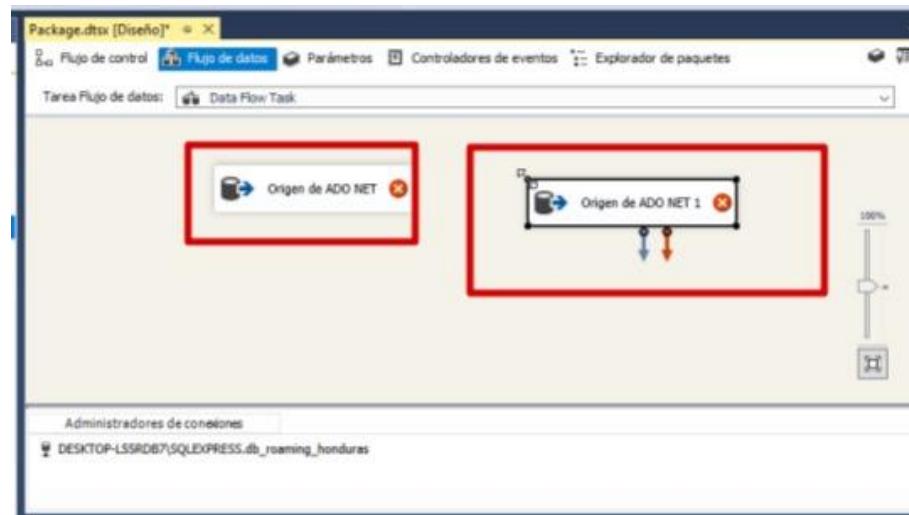
4. Se crea la solución Bussines intelligence en Visual studio.

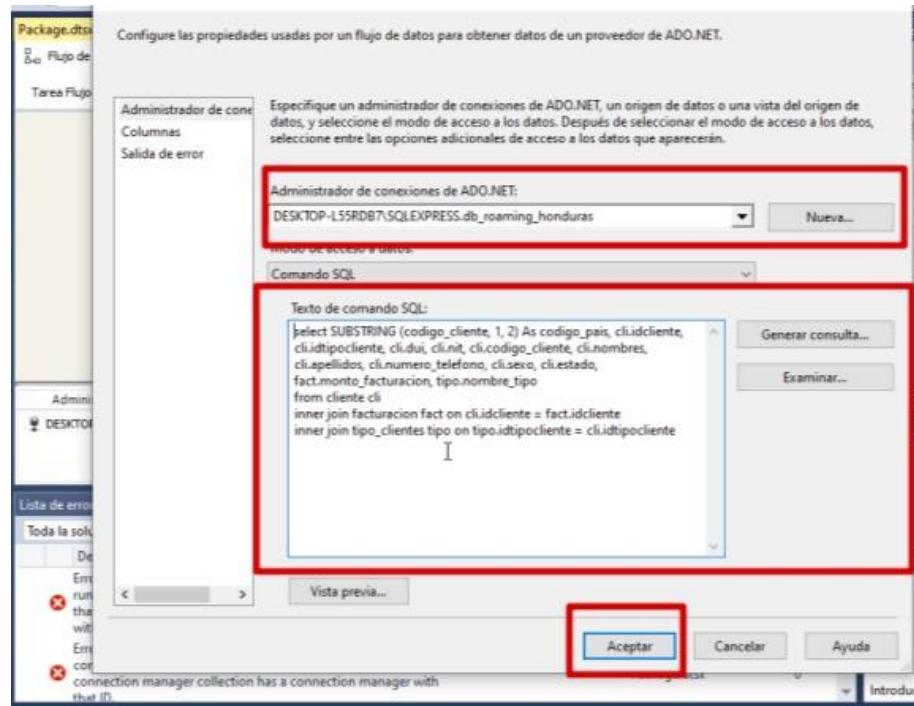


5.Se realiza la selección de elementos para el flujo del proceso



6.Se mandará a extraer los orígenes de SQL y MYSQL. Para el origen de datos





-SQL SERVER

```
select SUBSTRING (codigo_cliente, 1, 2) As codigo_pais, cli.idcliente, cli.idtipocliente, cli.dui, cli.nit, cli.codigo_cliente, cli.nombres, cli.apellidos, cli.numero_telefono, cli.sexo, cli.estado, fact.monto_facturacion, tipo.nombre_tipo
from cliente cli
inner join facturacion fact on cli.idcliente = fact.idcliente
inner join tipo_clientes tipo on tipo.idtipocliente = cli.idtipocliente
```

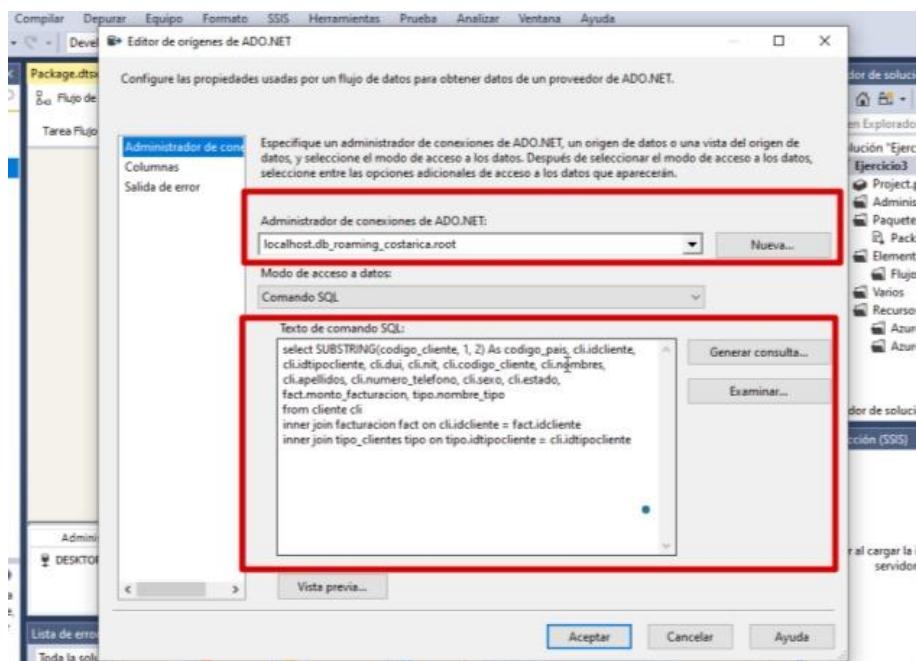
-Texto de comando SQL.

```

SQLQuery1.sql - TO...onduras (anto (59))*
use db_roaming_honduras;
select SUBSTRING(codigo_cliente, 1, 2) As codigo_pais, cli.idcliente, cli.idtipocliente, cli.dui, cli.nit, cli.codigo_cliente, cli.nombres, cli.apellidos, cli.numero, cli.estado
from cliente cli
inner join facturacion fact on cli.idcliente = fact.idcliente
inner join tipo_clientes tipo on tipo.idtipocliente = cli.idtipocliente

```

codigo_pais	idcliente	dni	codigo_cliente	nombres	apellidos	numero_documento	sexo	estado	monto_facturacion	nombre_tipo	
2	2164	1	013045721	0210262840221	av-mg2164	GABRIEL ANTONIO	MAYORGA RAMIREZ	m	90.00	CLIENTE PREFERENCIAL	
3	30109	1	00930814	0914220381108	av-nj30109	JAMIE RAUL	MARROQUIN MARRIQUIN	m	80.10	CLIENTE PREFERENCIAL	
4	5509	1	03365129	0810150821073	av-nj5509	ROBERTO	RAMIREZ FEDONAS	m	121.80	CLIENTE PREFERENCIAL	
5	47673	1	020540517	0814190511170	av-nj47673	RICARDO ENESTO	LARA CAENES	m	161.70	CLIENTE PREFERENCIAL	
6	47932	1	024342001	0814190520116	av-nj47932	ROBERTO	BALDERRAMA GOMEZ	m	42.00	CLIENTE PREFERENCIAL	
7	11948	1	004969208	10111703711010	av-nj11948	ANGEL VICTOR	PINO MEDRANO	m	178.40	CLIENTE PREFERENCIAL	
8	47665	1	003719008	0915020340019	av-nj47665	JUAN JUVENTINO	CASTILLO MEZQUITA	m	133.80	CLIENTE PREFERENCIAL	
9	42266	1	01564170	0511121181128	av-nj42266	CARLOS RICARDO	OHRNIGHELLO ROSALE	72471706	f	57.10	CLIENTE PREFERENCIAL
10	8266	1	00559892	0014190367911	av-nj8266	ALICIA ORBELEN	MENDEZ ZENTEZ	70756568	m	143.90	CLIENTE PREFERENCIAL
11	47977	2	00921400	02020472103	av-nj47977	GUILLERMO	POCORNIGUE HUEZO	7250490	m	126.40	CLIENTE EJECUTIVO
12	47977	2	009442426	0807170371107	av-nj47977	JOSE ANTONIO LOS ANGELES	CRUZ AMAYA	70751052	f	169.00	CLIENTE EJECUTIVO
13	47676	2	008310554	0512030470117	av-nj47676	JACOB	RAMOS PEREZ	71651054	m	92.20	CLIENTE EJECUTIVO
14	47663	2	010622294	11092505031024	av-nj47663	BLANCA MARIBEL	CRUZ AMAYA	70506052	f	167.70	CLIENTE EJECUTIVO
15	47679	2	000883072	14162712781010	av-nj47679	JUAN DAVID	REYES SALAZAR	70710453	m	148.20	CLIENTE EJECUTIVO
16	47710	2	01694798	1324200881012	av-nj47710	HECTOR MANUEL	CHACON ARGUELLO	77751098	m	41.30	CLIENTE EJECUTIVO
17	47711	2	043298819	112311290116	av-nj47711	SAMUEL GERARDO	MEDRANO RODRIGUEZ	78952058	m	109.70	CLIENTE EJECUTIVO
18	47711	2	043298819	112311290116	av-nj47711	SAMUEL GERARDO	MEDRANO RODRIGUEZ	78952058	m	109.70	CLIENTE EJECUTIVO

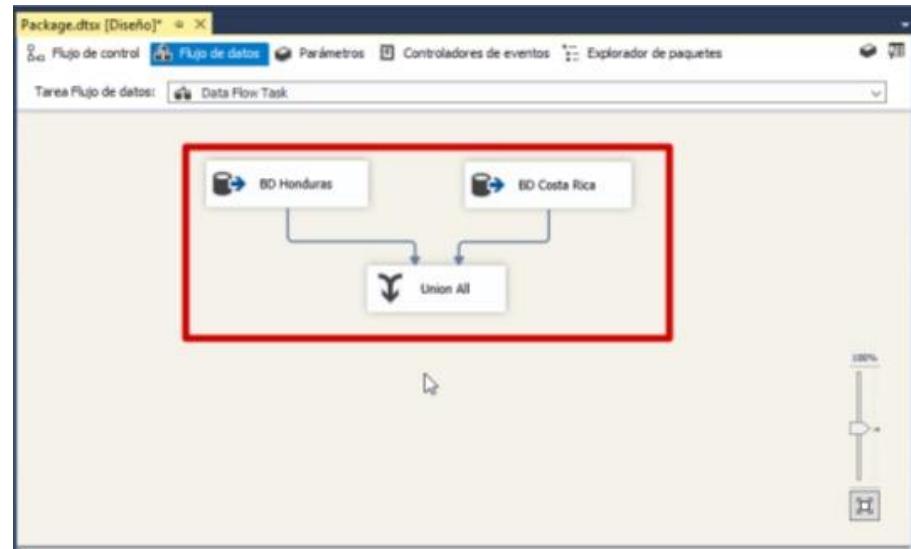


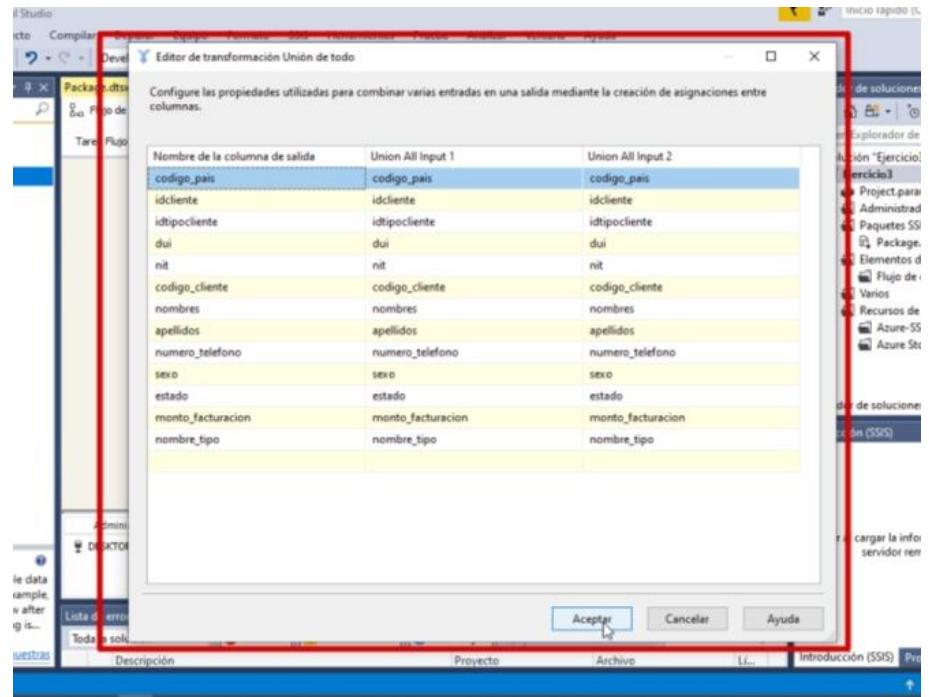
-MYSQL

```
select SUBSTRING (codigo_cliente, 1, 2) As codigo_pais, cli.idcliente, cli.idtipocliente, cli.dui,
cli.nit, cli.codigo_cliente, cli.nombres, cli.apellidos, cli.numero_telefono, cli.sexo, cli.estado,
fact.monto_facturacion, tipo.nombre_tipo
from cliente cli
inner join facturacion fact on cli.idcliente = fact.idcliente
inner join tipo_clientes tipo on tipo.idtipocliente = cli.idtipocliente
```

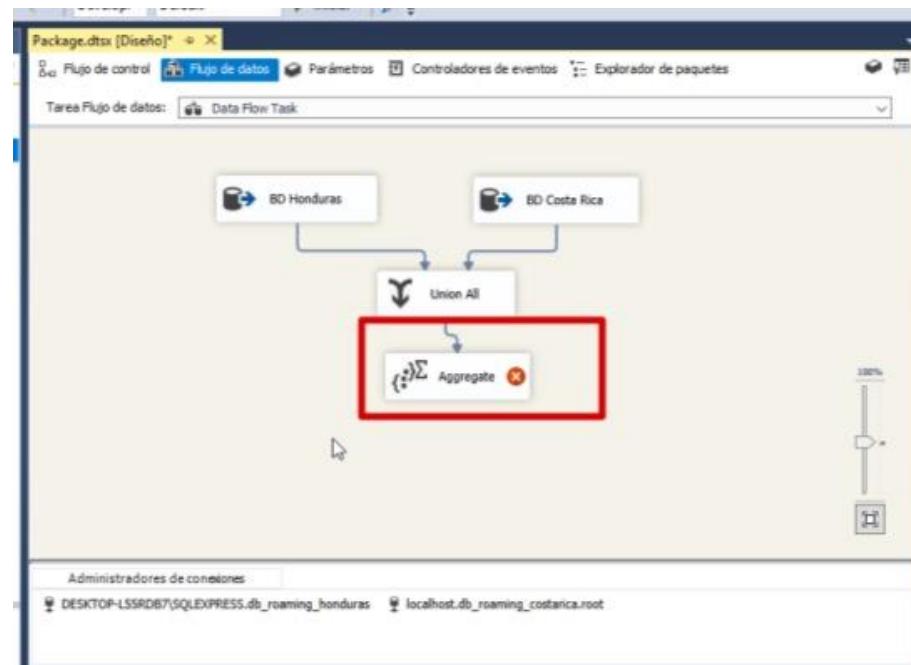
-Texto de comando MYSQL.

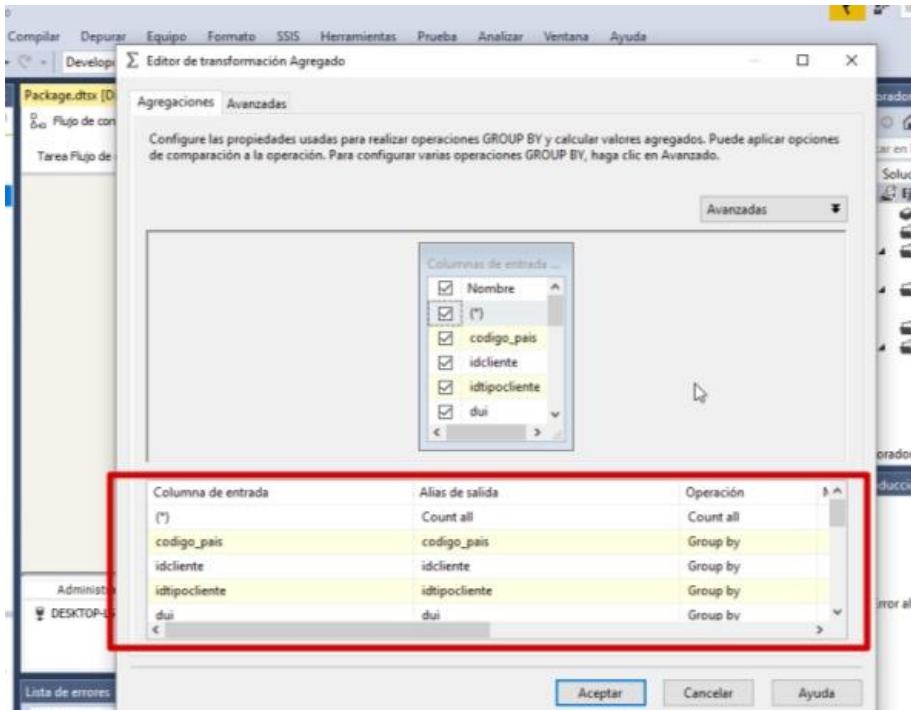
7.Se crea una UNION ALL. Para realizar una combinación de ambas bases de datos.



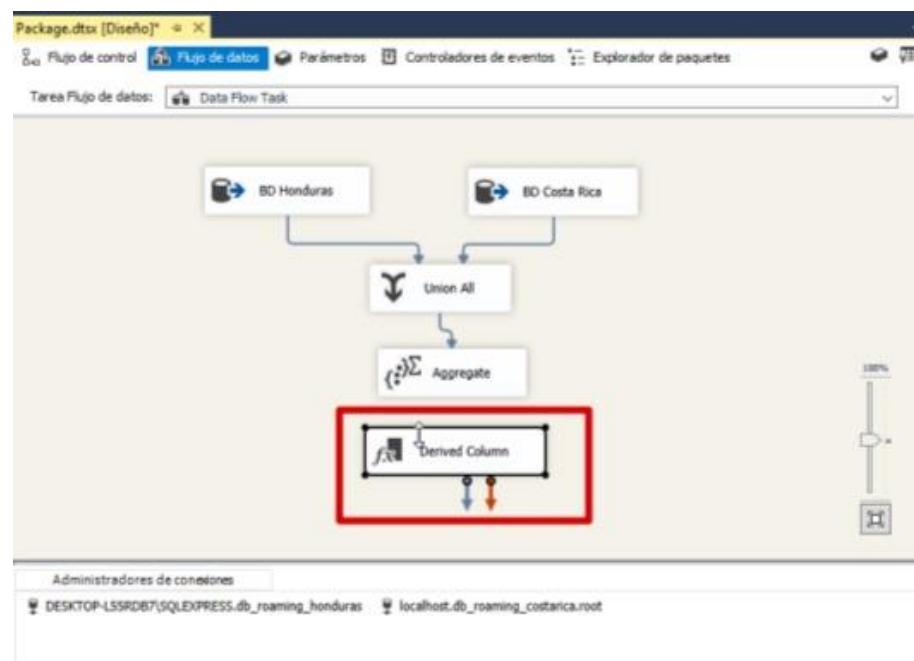


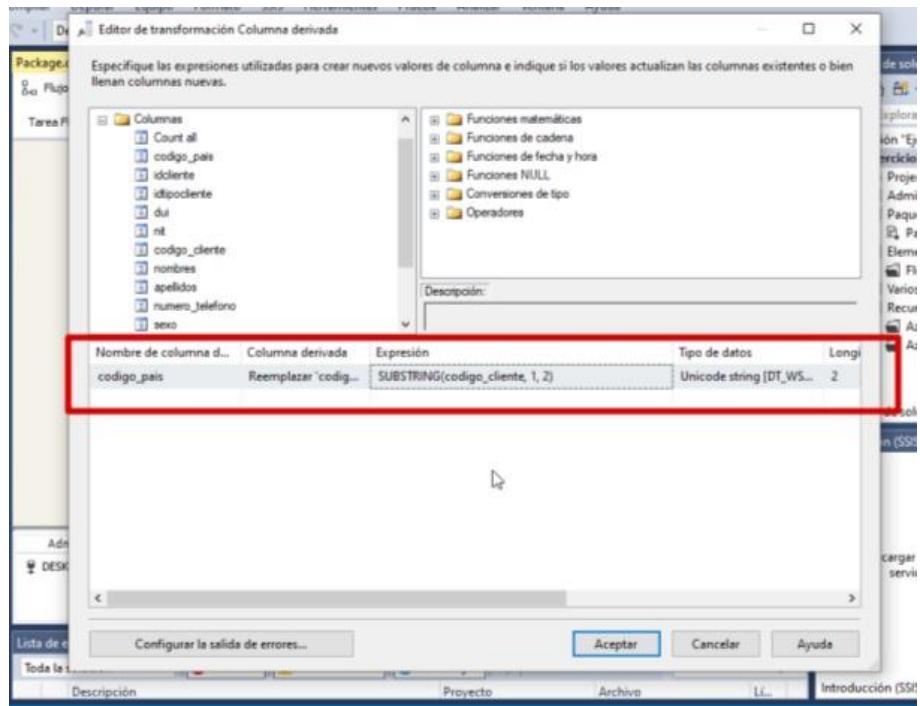
8. Se agrega un control para asociar los datos de ambos orígenes.



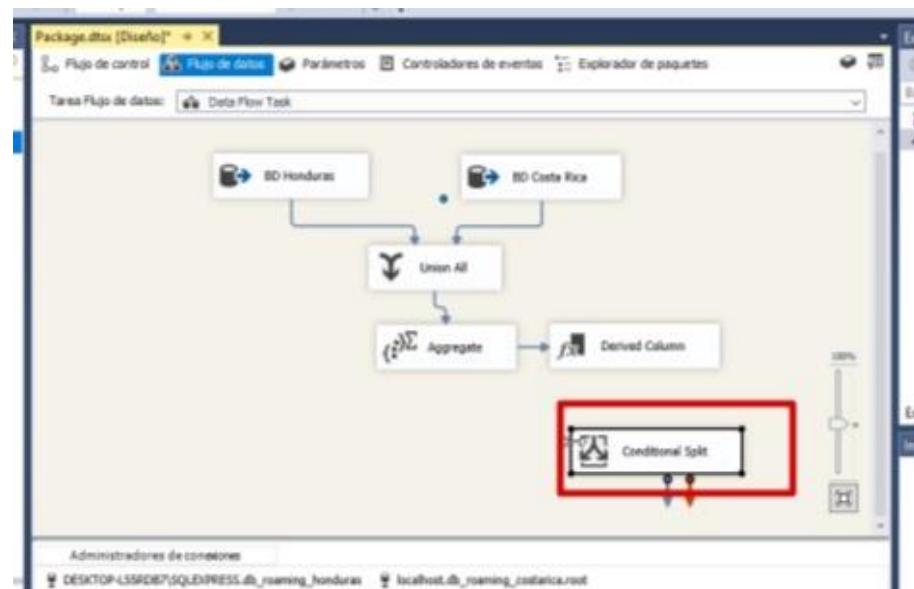


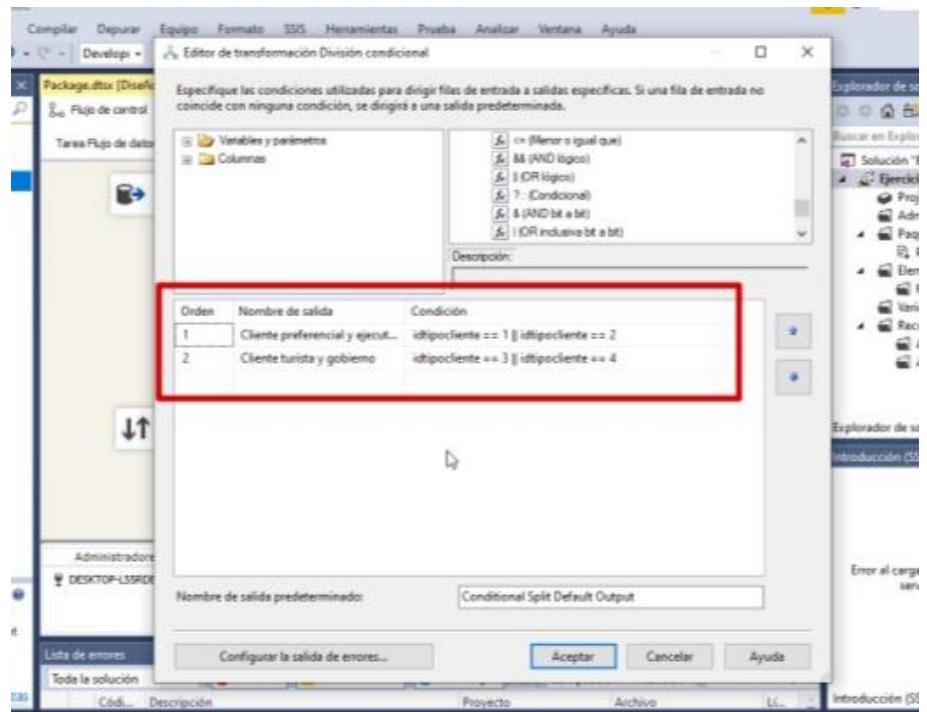
9. Se extrae un elemento para apartar el código de país.





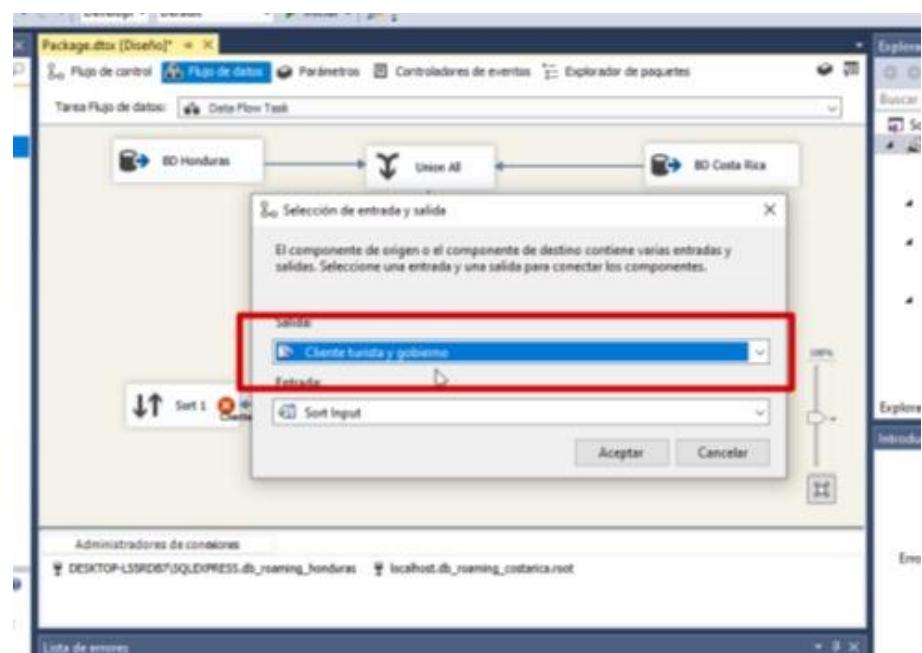
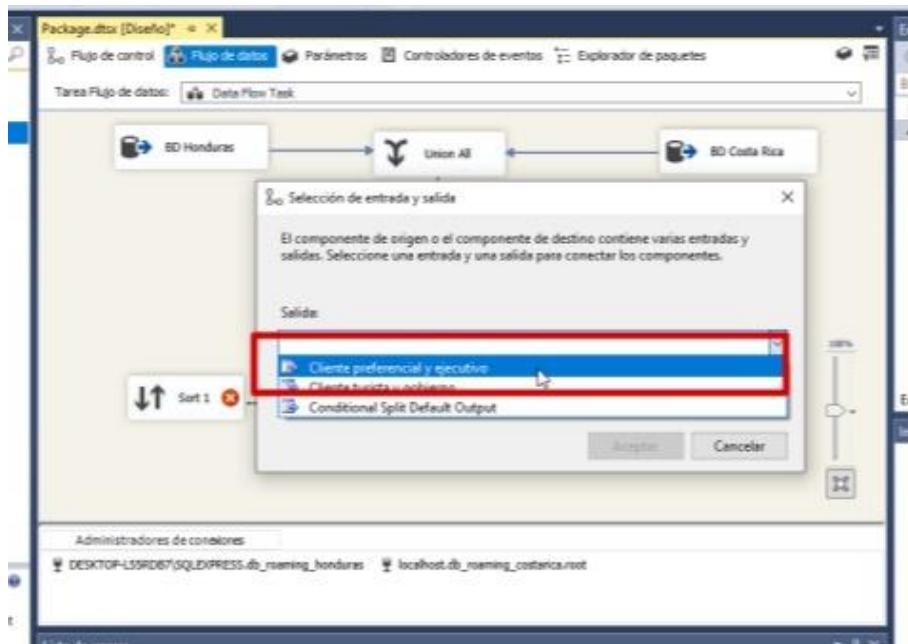
10. Se realizará una separación de clientes ejecutivos, preferenciales, de los turistas y Gubernamentales.

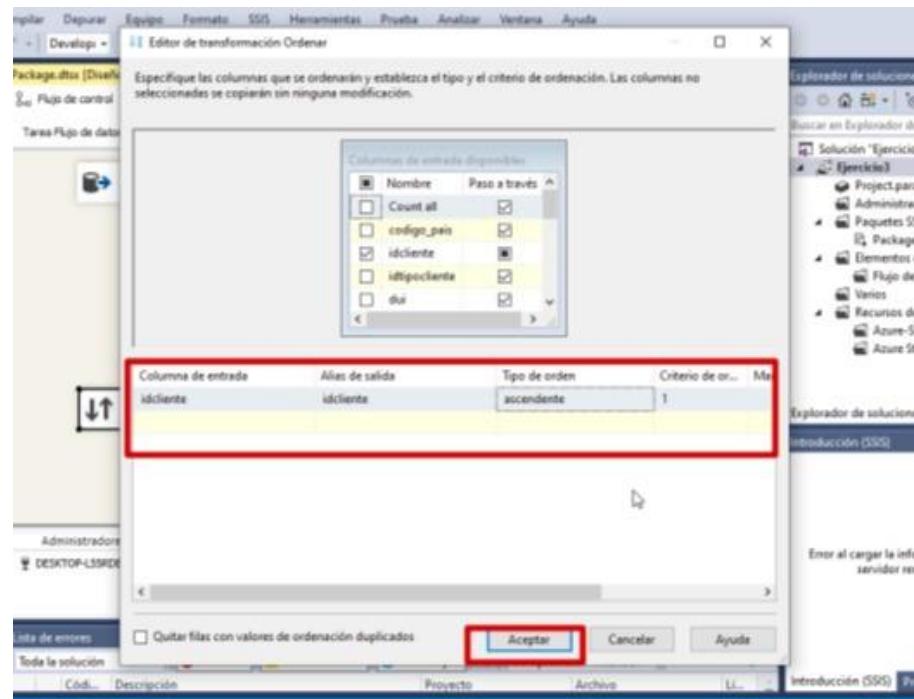




11. Se definirá el orden con el que generara los nuevos archivos filtrados

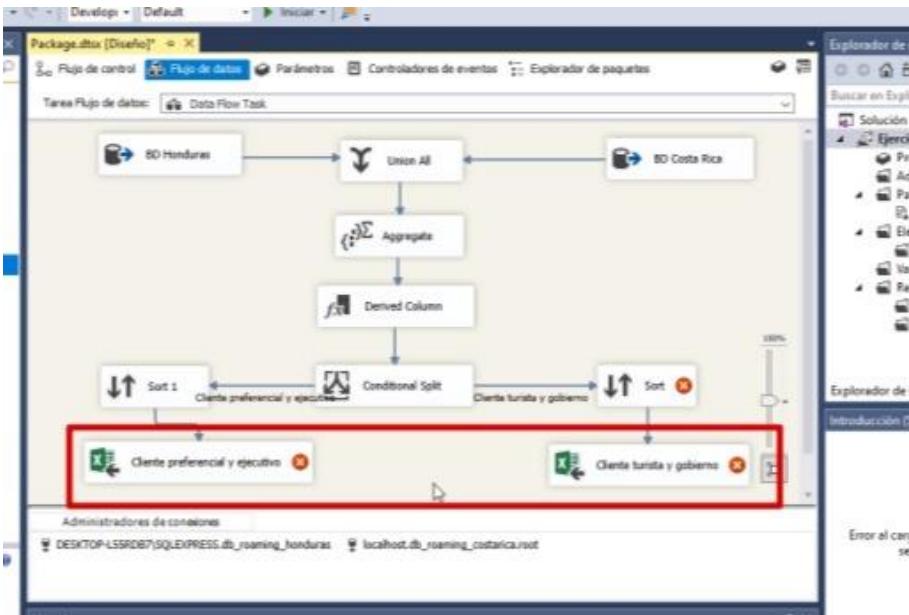




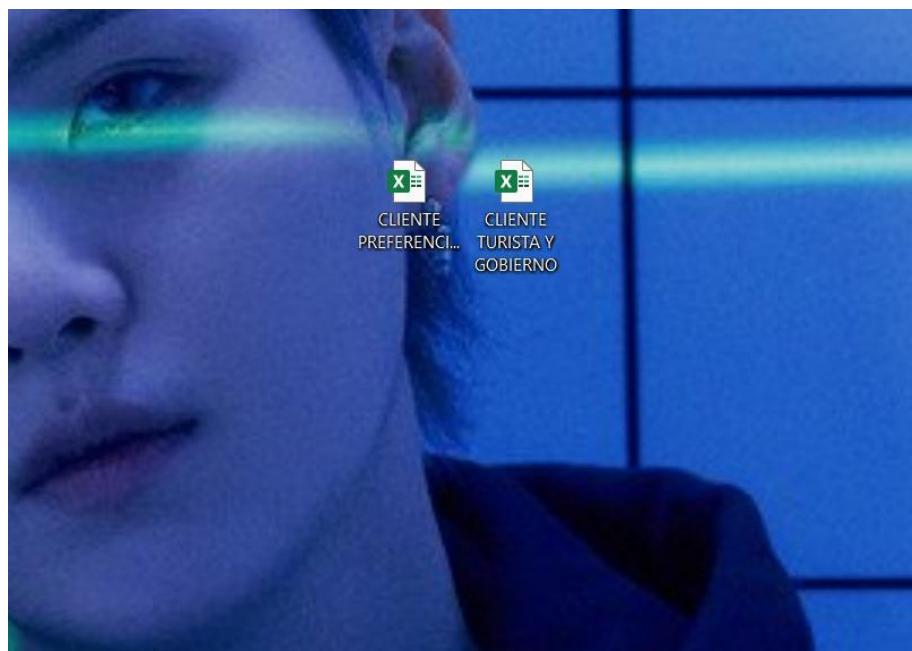


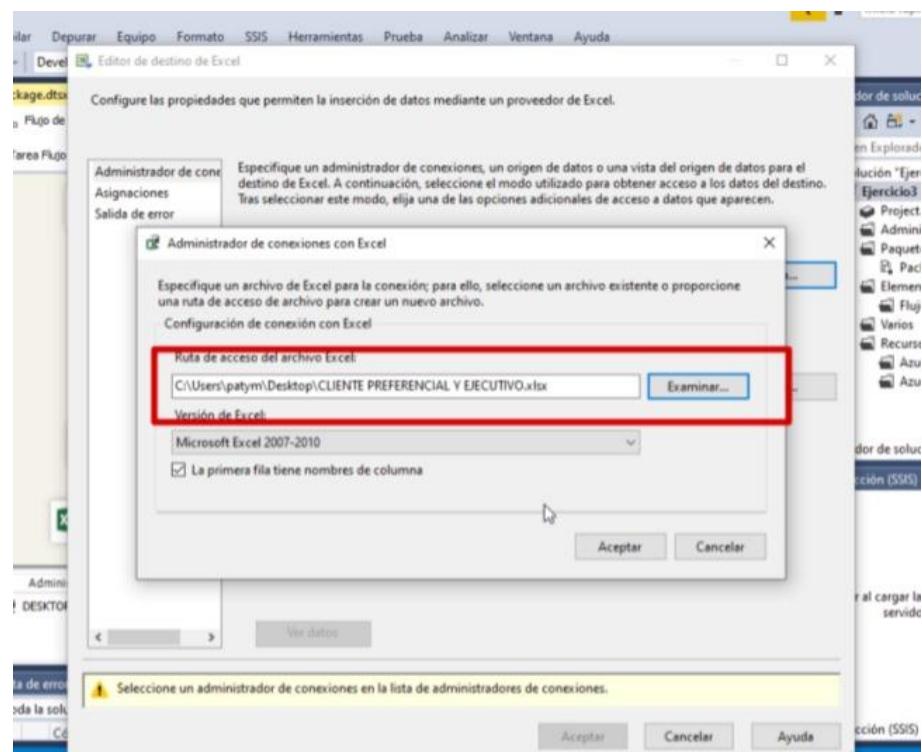
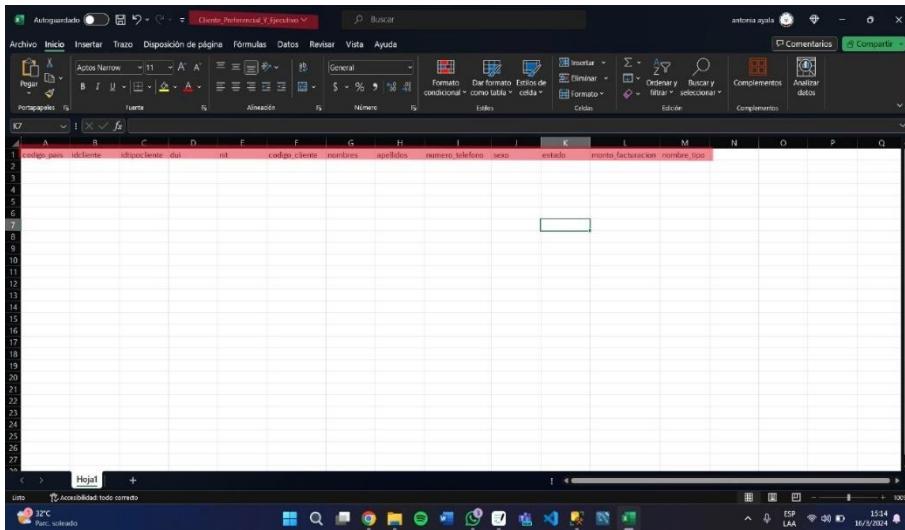
12. Se agregará archivos Excel en los que se vaciará la información filtrada.

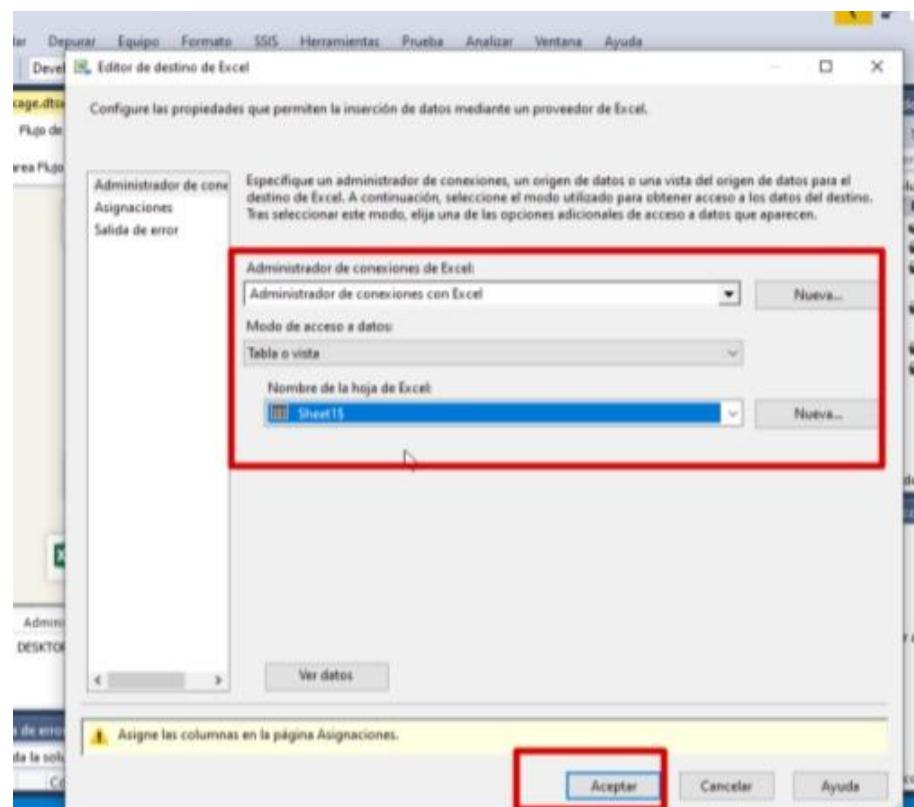
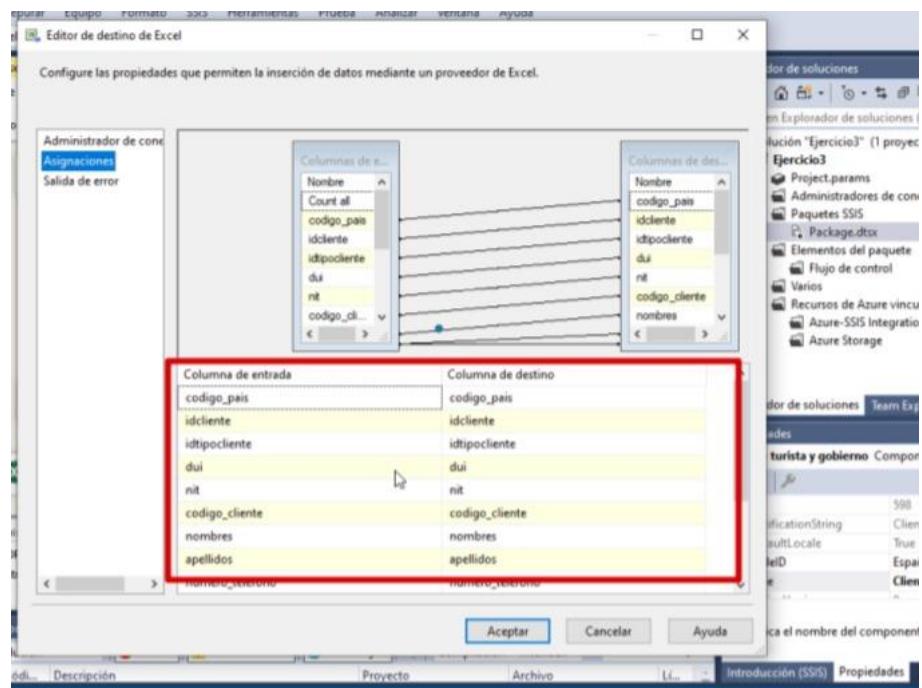




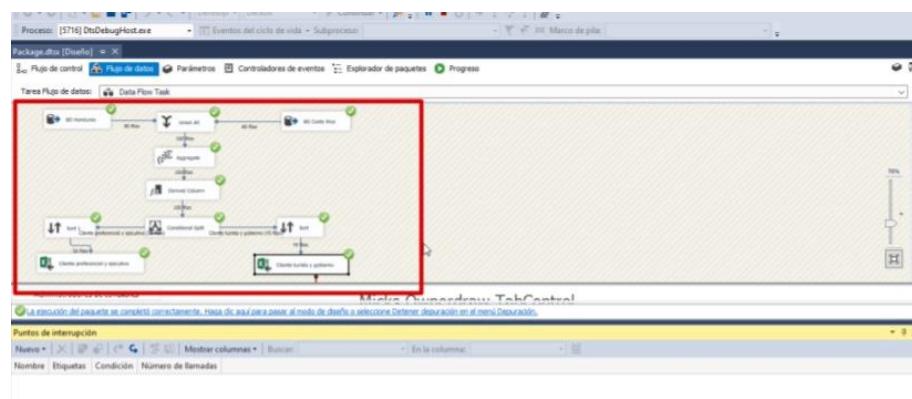
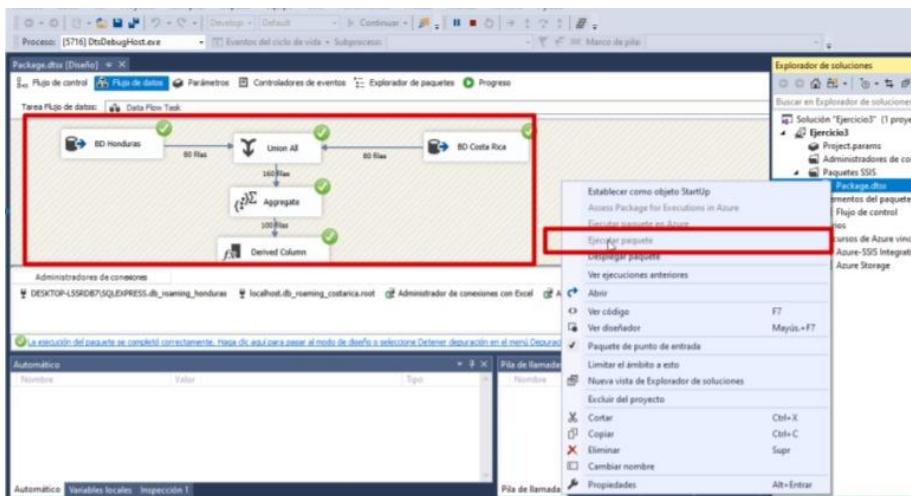
13. Se examinará que los archivos tengan las columnas de información que serán cargadas.







14. Se ejecuta el proceso



15.Se validan los resultados obtenidos en los archivos Excel.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	codigo_pais	direccion	idtipocliente	dui	nit	codigo_cliente	apellidos	nombre	telefono	sexo	estado	monito	facturacion	nombre_tipo			
SV	1054	1	024082915	02030510E	sv-sm1054	MARITZA SALAZAR	(644)78435		f	t		166.80		CLIENTE PREFERENCIAL			
SV	1054	1	024082915	02030510E	sv-sm1054	MARITZA SALAZAR	(644)78435		f	t		566.80		CLIENTE PREFERENCIAL			
SV	421	1	014482905	02100107E	sv-mn1421	NESTOR N MARRERO	77407501		m	f		156.00		CLIENTE PREFERENCIAL			
SV	421	1	014482905	02100107E	sv-mn1421	NESTOR N MARRERO	77407501		m	f		56.00		CLIENTE PREFERENCIAL			
SV	2164	1	018040721	02102502E	sv-mg2164	GABRIEL A MAYORG	70705723		m	t		190.60		CLIENTE PREFERENCIAL			
SV	2164	1	018040721	02102502E	sv-mg2164	GABRIEL A MAYORG	70705723		m	t		90.60		CLIENTE PREFERENCIAL			
SV	909	1	013652120	06101509E	sv-rr909	ROBERTO RAMIREZ	72369733		m	t		21.80		CLIENTE PREFERENCIAL			
SV	909	1	013652120	06101509E	sv-rr909	ROBERTO RAMIREZ	72369733		m	t		121.80		CLIENTE PREFERENCIAL			
SV	418	2	014216994	06140310E	sv-ld418	CESAR MALOPEZ GUE	63055548		m	t		43.30		CLIENTE EJECUTIVO			
SV	296	1	005598661	06141903E	sv-ma296	ALICIA OR MENDOZA	70705856		m	t		148.90		CLIENTE PREFERENCIAL			
SV	278	2	006900888	06142712E	sv-nm278	MANUEL VILLENA NUÑEZ	G61171233		m	f		17.60		CLIENTE EJECUTIVO			
SV	3188	1	004669020	101218027	sv-pa3188	ANGEL VIL PINEDA MER	79232540		m	t		176.40		CLIENTE PREFERENCIAL			
SV	3188	1	004669020	101218027	sv-pa3188	ANGEL VIL PINEDA MER	79232540		m	t		78.40		CLIENTE PREFERENCIAL			
SV	5869	1	013671951	12171064E	sv-ls5869	JOSE ALBERTO BERNITEZ	72367477		m	t		176.30		CLIENTE EJECUTIVO			
SV	5855	5	023921200	06103409E	sv-cl19455	LURIS WALTER ORTIZ MED	623474980		m	t		125.90		CLIENTE EJECUTIVO			
SV	3981	5	027207646	02101709E	sv-ri1981	JOSE MAU PINEDA MED	623213846		m	t		184.90		CLIENTE EJECUTIVO			
SV	20278	5	003748003	06212202E	sv-pr20278	RAUL ALBI PINEDA D	627877279		m	t		131.40		CLIENTE EJECUTIVO			
SV	10831	5	001962687	03151801E	sv-rn20831	MARLURICH RAMIREZ	628101010		m	t		134.60		CLIENTE EJECUTIVO			
SV	10831	5	001962687	03151801E	sv-rn20831	MARLURICH RAMIREZ	628101010		m	t		34.60		CLIENTE EJECUTIVO			
SV	2100	5	023777450	06141806E	sv-df2100	FRANCISC DIAZ ROD	62336600		m	t		55.20		CLIENTE EJECUTIVO			
SV	2100	5	023777450	06141806E	sv-df2100	FRANCISC DIAZ ROD	62336600		m	t		155.20		CLIENTE EJECUTIVO			
SV	23670	1	023137505	111426011	sv-mh23670	HECTOR A MARTINEZ	66311175		m	t		20.90		CLIENTE PREFERENCIAL			