



**Nombre del trabajo:**

**Desafío 1**

**Materia:**

**Datawarehouse y Minería de Datos**

**Alumnos:**

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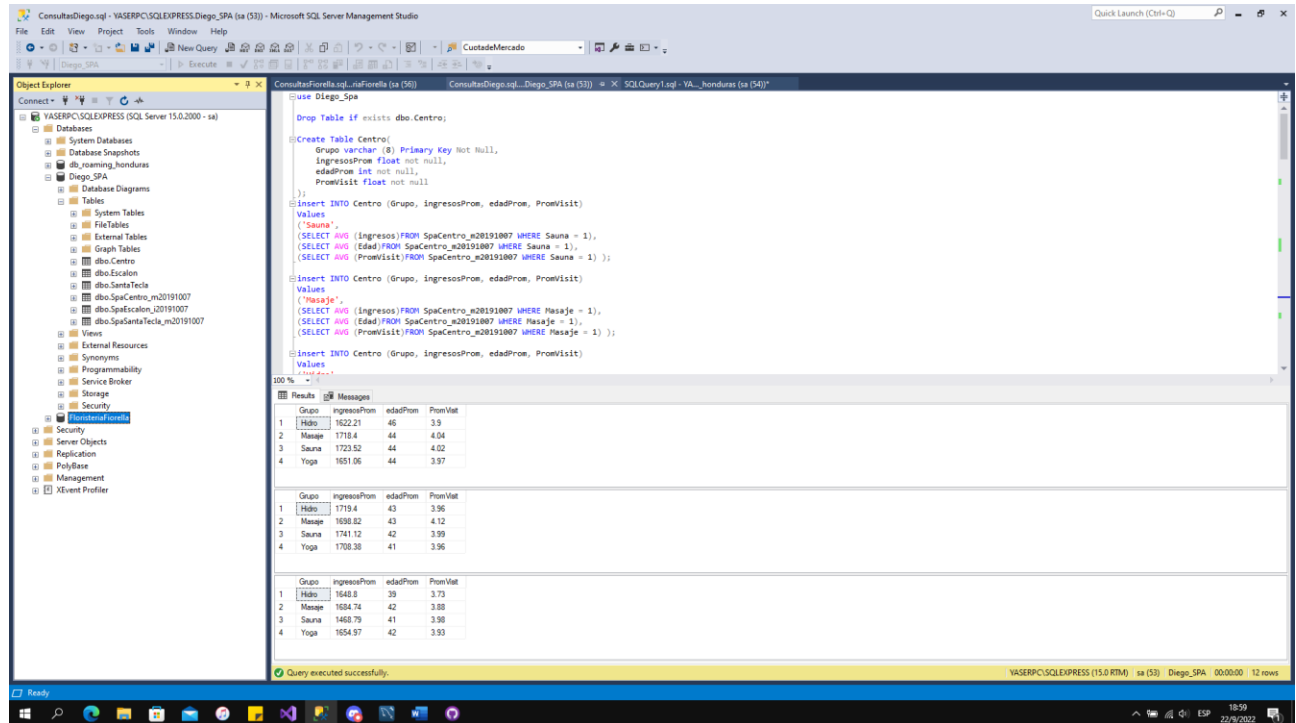
**Emilia Eunice Meléndez Barreiro                      MB211545**

**Docente: Ing. Karens Medrano**

**Fecha de entrega:**

*22/9/2022*

# Ejercicio 1 (100%):



## Código:

use Diego\_Spa

Drop Table if exists dbo.Centro;

```
Create Table Centro(
    Grupo varchar (8) Primary Key Not Null,
    ingresosProm float not null,
    edadProm int not null,
    PromVisit float not null
);
insert INTO Centro (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Sauna',
(SELECT AVG (ingresos)FROM SpaCentro_m20191007 WHERE Sauna = 1),
(SELECT AVG (Edad)FROM SpaCentro_m20191007 WHERE Sauna = 1),
(SELECT AVG (PromVisit)FROM SpaCentro_m20191007 WHERE Sauna = 1) );

insert INTO Centro (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Masaje',
(SELECT AVG (ingresos)FROM SpaCentro_m20191007 WHERE Masaje = 1),
(SELECT AVG (Edad)FROM SpaCentro_m20191007 WHERE Masaje = 1),
(SELECT AVG (PromVisit)FROM SpaCentro_m20191007 WHERE Masaje = 1) );

insert INTO Centro (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Hidro',
(SELECT AVG (ingresos)FROM SpaCentro_m20191007 WHERE Hidro = 1),
(SELECT AVG (Edad)FROM SpaCentro_m20191007 WHERE Hidro = 1),
(SELECT AVG (PromVisit)FROM SpaCentro_m20191007 WHERE Hidro = 1) );
```

```

(SELECT AVG (PromVisit)FROM SpaCentro_m20191007 WHERE Hidro = 1) );

insert INTO Centro (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Yoga',
(SELECT AVG (ingresos)FROM SpaCentro_m20191007 WHERE Yoga = 1),
(SELECT AVG (Edad)FROM SpaCentro_m20191007 WHERE Yoga = 1),
(SELECT AVG (PromVisit)FROM SpaCentro_m20191007 WHERE Yoga = 1) );

Select Grupo, round(ingresosProm,2) as ingresosProm, edadProm, round(PromVisit,2) As
PromVisit from Centro

Drop Table if exists dbo.Escalon;

Create Table Escalon(
    Grupo varchar (8) Primary Key Not Null,
    ingresosProm float not null,
    edadProm int not null,
    PromVisit float not null
);
insert INTO Escalon (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Sauna',
(SELECT AVG (ingresos)FROM SpaEscalon_i20191007 WHERE Sauna = 1),
(SELECT AVG (Edad)FROM SpaEscalon_i20191007 WHERE Sauna = 1),
(SELECT AVG (PromVisit)FROM SpaEscalon_i20191007 WHERE Sauna = 1) );

insert INTO Escalon (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Masaje',
(SELECT AVG (ingresos)FROM SpaEscalon_i20191007 WHERE Masaje = 1),
(SELECT AVG (Edad)FROM SpaEscalon_i20191007 WHERE Masaje = 1),
(SELECT AVG (PromVisit)FROM SpaEscalon_i20191007 WHERE Masaje = 1) );

insert INTO Escalon (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Hidro',
(SELECT AVG (ingresos)FROM SpaEscalon_i20191007 WHERE Hidro = 1),
(SELECT AVG (Edad)FROM SpaEscalon_i20191007 WHERE Hidro = 1),
(SELECT AVG (PromVisit)FROM SpaEscalon_i20191007 WHERE Hidro = 1) );

insert INTO Escalon (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Yoga',
(SELECT AVG (ingresos) FROM SpaEscalon_i20191007 WHERE Yoga = 1),
(SELECT AVG (Edad) FROM SpaEscalon_i20191007 WHERE Yoga = 1),
(SELECT AVG (PromVisit) FROM SpaEscalon_i20191007 WHERE Yoga = 1) );

Select Grupo, round(ingresosProm,2) as ingresosProm, edadProm, round(PromVisit,2) As
PromVisit from Escalon

Drop Table if exists dbo.SantaTecla;

Create Table SantaTecla(
    Grupo varchar (8) Primary Key Not Null,
    ingresosProm float not null,
    edadProm int not null,
    PromVisit float not null
);

```

```
insert INTO SantaTecla (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Sauna',
(SELECT AVG (ingresos)FROM SpaSantaTecla_m20191007 WHERE Sauna = 1),
(SELECT AVG (Edad)FROM SpaSantaTecla_m20191007 WHERE Sauna = 1),
(SELECT AVG (PromVisit)FROM SpaSantaTecla_m20191007 WHERE Sauna = 1) );
```

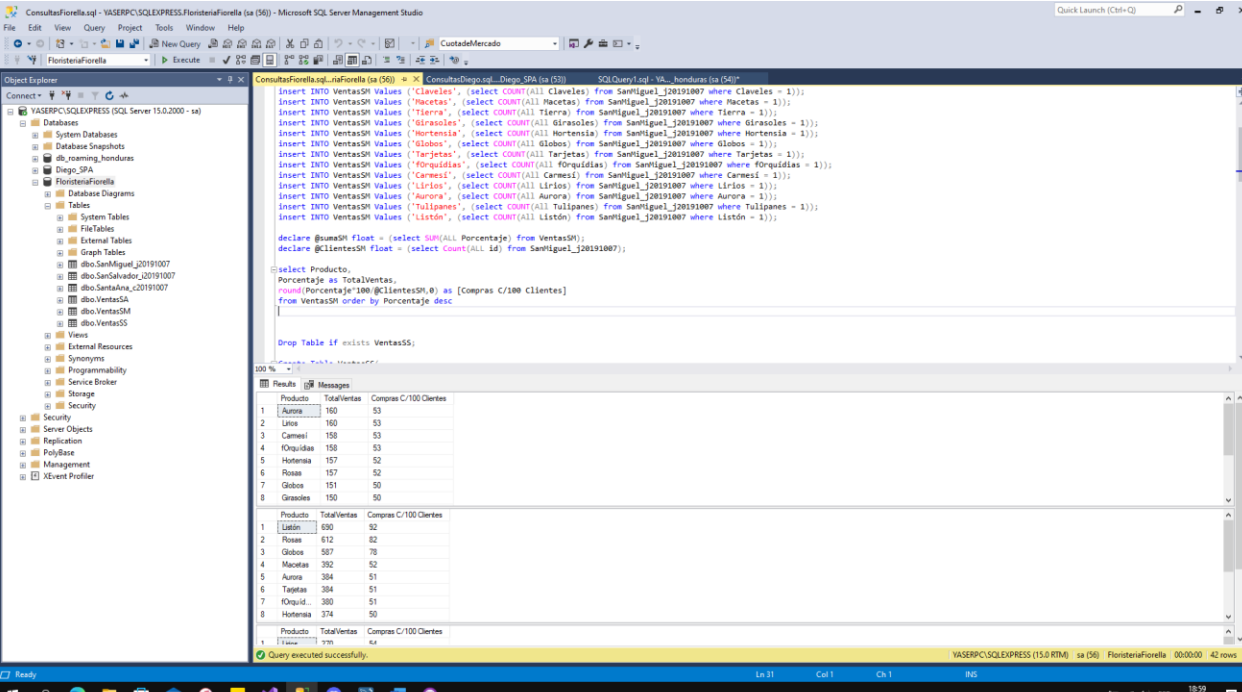
```
insert INTO SantaTecla (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Masaje',
(SELECT AVG (ingresos)FROM SpaSantaTecla_m20191007 WHERE Masaje = 1),
(SELECT AVG (Edad)FROM SpaSantaTecla_m20191007 WHERE Masaje = 1),
(SELECT AVG (PromVisit)FROM SpaSantaTecla_m20191007 WHERE Masaje = 1) );
```

```
insert INTO SantaTecla (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Hidro',
(SELECT AVG (ingresos)FROM SpaSantaTecla_m20191007 WHERE Hidro = 1),
(SELECT AVG (Edad)FROM SpaSantaTecla_m20191007 WHERE Hidro = 1),
(SELECT AVG (PromVisit)FROM SpaSantaTecla_m20191007 WHERE Hidro = 1) );
```

```
insert INTO SantaTecla (Grupo, ingresosProm, edadProm, PromVisit)
Values
('Yoga',
(SELECT AVG (ingresos)FROM SpaSantaTecla_m20191007 WHERE Yoga = 1),
(SELECT AVG (Edad)FROM SpaSantaTecla_m20191007 WHERE Yoga = 1),
(SELECT AVG (PromVisit)FROM SpaSantaTecla_m20191007 WHERE Yoga = 1) );
```

```
Select Grupo, round(ingresosProm,2) as ingresosProm, edadProm, round(PromVisit,2) As
PromVisit from SantaTecla
```

## Ejercicio 2 (100%):



The screenshot shows a SQL Server Enterprise Manager window with a query executed successfully. The query is a stored procedure that inserts data into a table named 'VentasSH' and then calculates the percentage of total sales for each product. The results are displayed in a table with columns: Producto, TotalVentas, and Compras C/100 Clientes. The products listed are Asiento, Lirios, Carnesi, Jirafas, Hombres, Rosas, Globos, and Girasoles.

Producto	TotalVentas	Compras C/100 Clientes
Asiento	160	53
Lirios	160	53
Carnesi	158	53
Jirafas	158	53
Hombres	157	52
Rosas	157	52
Globos	151	50
Girasoles	150	50

## Código:

```
use FloristeriaFiorella
```

```
Drop Table if exists VentasSM;
```

```
Create Table VentasSM(  
    Producto varchar(12) Primary Key Not Null,  
    Porcentaje int not null  
);  
insert INTO VentasSM Values ('Rosas', (select COUNT(All Rosas) from SanMiguel_j20191007  
where Rosas = 1));  
insert INTO VentasSM Values ('Claveles', (select COUNT(All Claveles) from  
SanMiguel_j20191007 where Claveles = 1));  
insert INTO VentasSM Values ('Macetas', (select COUNT(All Macetas) from  
SanMiguel_j20191007 where Macetas = 1));  
insert INTO VentasSM Values ('Tierra', (select COUNT(All Tierra) from SanMiguel_j20191007  
where Tierra = 1));  
insert INTO VentasSM Values ('Girasoles', (select COUNT(All Girasoles) from  
SanMiguel_j20191007 where Girasoles = 1));  
insert INTO VentasSM Values ('Hortensia', (select COUNT(All Hortensia) from  
SanMiguel_j20191007 where Hortensia = 1));  
insert INTO VentasSM Values ('Globos', (select COUNT(All Globos) from SanMiguel_j20191007  
where Globos = 1));  
insert INTO VentasSM Values ('Tarjetas', (select COUNT(All Tarjetas) from  
SanMiguel_j20191007 where Tarjetas = 1));  
insert INTO VentasSM Values ('fOrquídias', (select COUNT(All fOrquídias) from  
SanMiguel_j20191007 where fOrquídias = 1));  
insert INTO VentasSM Values ('Carmesí', (select COUNT(All Carmesí) from  
SanMiguel_j20191007 where Carmesí = 1));  
insert INTO VentasSM Values ('Lirios', (select COUNT(All Lirios) from SanMiguel_j20191007  
where Lirios = 1));  
insert INTO VentasSM Values ('Aurora', (select COUNT(All Aurora) from SanMiguel_j20191007  
where Aurora = 1));  
insert INTO VentasSM Values ('Tulipanes', (select COUNT(All Tulipanes) from  
SanMiguel_j20191007 where Tulipanes = 1));  
insert INTO VentasSM Values ('Listón', (select COUNT(All Listón) from SanMiguel_j20191007  
where Listón = 1));
```

```
declare @sumaSM float = (select SUM(ALL Porcentaje) from VentasSM);  
declare @ClientesSM float = (select Count(ALL id) from SanMiguel_j20191007);
```

```
select Producto,  
Porcentaje as TotalVentas,  
round(Porcentaje*100/@ClientesSM,0) as [Compras C/100 Clientes]  
from VentasSM order by Porcentaje desc
```

```
Drop Table if exists VentasSS;
```

```
Create Table VentasSS(  
    Producto varchar(12) Primary Key Not Null,  
    Porcentaje int not null  
);  
insert INTO VentasSS Values ('Rosas', (select COUNT(All Rosas) from SanSalvador_i20191007  
where Rosas = 1));
```

```

insert INTO VentasSS Values ('Claveles', (select COUNT(All Claveles) from
SanSalvador_i20191007 where Claveles = 1));
insert INTO VentasSS Values ('Macetas', (select COUNT(All Macetas) from
SanSalvador_i20191007 where Macetas = 1));
insert INTO VentasSS Values ('Tierra', (select COUNT(All Tierra) from
SanSalvador_i20191007 where Tierra = 1));
insert INTO VentasSS Values ('Girasoles', (select COUNT(All Girasoles) from
SanSalvador_i20191007 where Girasoles = 1));
insert INTO VentasSS Values ('Hortensia', (select COUNT(All Hortensia) from
SanSalvador_i20191007 where Hortensia = 1));
insert INTO VentasSS Values ('Globos', (select COUNT(All Globos) from
SanSalvador_i20191007 where Globos = 1));
insert INTO VentasSS Values ('Tarjetas', (select COUNT(All Tarjetas) from
SanSalvador_i20191007 where Tarjetas = 1));
insert INTO VentasSS Values ('fOrquídias', (select COUNT(All fOrquídias) from
SanSalvador_i20191007 where fOrquídias = 1));
insert INTO VentasSS Values ('Carmesí', (select COUNT(All Carmesí) from
SanSalvador_i20191007 where Carmesí = 1));
insert INTO VentasSS Values ('Lirios', (select COUNT(All Lirios) from
SanSalvador_i20191007 where Lirios = 1));
insert INTO VentasSS Values ('Aurora', (select COUNT(All Aurora) from
SanSalvador_i20191007 where Aurora = 1));
insert INTO VentasSS Values ('Tulipanes', (select COUNT(All Tulipanes) from
SanSalvador_i20191007 where Tulipanes = 1));
insert INTO VentasSS Values ('Listón', (select COUNT(All Listón) from
SanSalvador_i20191007 where Listón = 1));

```

```

declare @sumaSS float = (select SUM(ALL Porcentaje) from VentasSS);
declare @ClientesSS float = (select Count(ALL id) from SanSalvador_i20191007);

```

```

select Producto,
Porcentaje as TotalVentas,
round(Porcentaje*100/@ClientesSS,0) as [Compras C/100 Clientes]
from VentasSS order by Porcentaje desc

```

```

Drop Table if exists VentasSA;

```

```

Create Table VentasSA(
    Producto varchar(12) Primary Key Not Null,
    Porcentaje int not null
);

```

```

insert INTO VentasSA Values ('Rosas', (select COUNT(All Rosas) from SantaAna_c20191007
where Rosas = 1));
insert INTO VentasSA Values ('Claveles', (select COUNT(All Claveles) from
SantaAna_c20191007 where Claveles = 1));
insert INTO VentasSA Values ('Macetas', (select COUNT(All Macetas) from SantaAna_c20191007
where Macetas = 1));
insert INTO VentasSA Values ('Tierra', (select COUNT(All Tierra) from SantaAna_c20191007
where Tierra = 1));
insert INTO VentasSA Values ('Girasoles', (select COUNT(All Girasoles) from
SantaAna_c20191007 where Girasoles = 1));
insert INTO VentasSA Values ('Hortensia', (select COUNT(All Hortensia) from
SantaAna_c20191007 where Hortensia = 1));
insert INTO VentasSA Values ('Globos', (select COUNT(All Globos) from SantaAna_c20191007
where Globos = 1));
insert INTO VentasSA Values ('Tarjetas', (select COUNT(All Tarjetas) from
SantaAna_c20191007 where Tarjetas = 1));

```

```

insert INTO VentasSA Values ('fOrquídias', (select COUNT(All fOrquídias) from
SantaAna_c20191007 where fOrquídias = 1));
insert INTO VentasSA Values ('Carmesí', (select COUNT(All Carmesí) from SantaAna_c20191007
where Carmesí = 1));
insert INTO VentasSA Values ('Lirios', (select COUNT(All Lirios) from SantaAna_c20191007
where Lirios = 1));
insert INTO VentasSA Values ('Aurora', (select COUNT(All Aurora) from SantaAna_c20191007
where Aurora = 1));
insert INTO VentasSA Values ('Tulipanes', (select COUNT(All Tulipanes) from
SantaAna_c20191007 where Tulipanes = 1));
insert INTO VentasSA Values ('Listón', (select COUNT(All Listón) from SantaAna_c20191007
where Listón = 1));

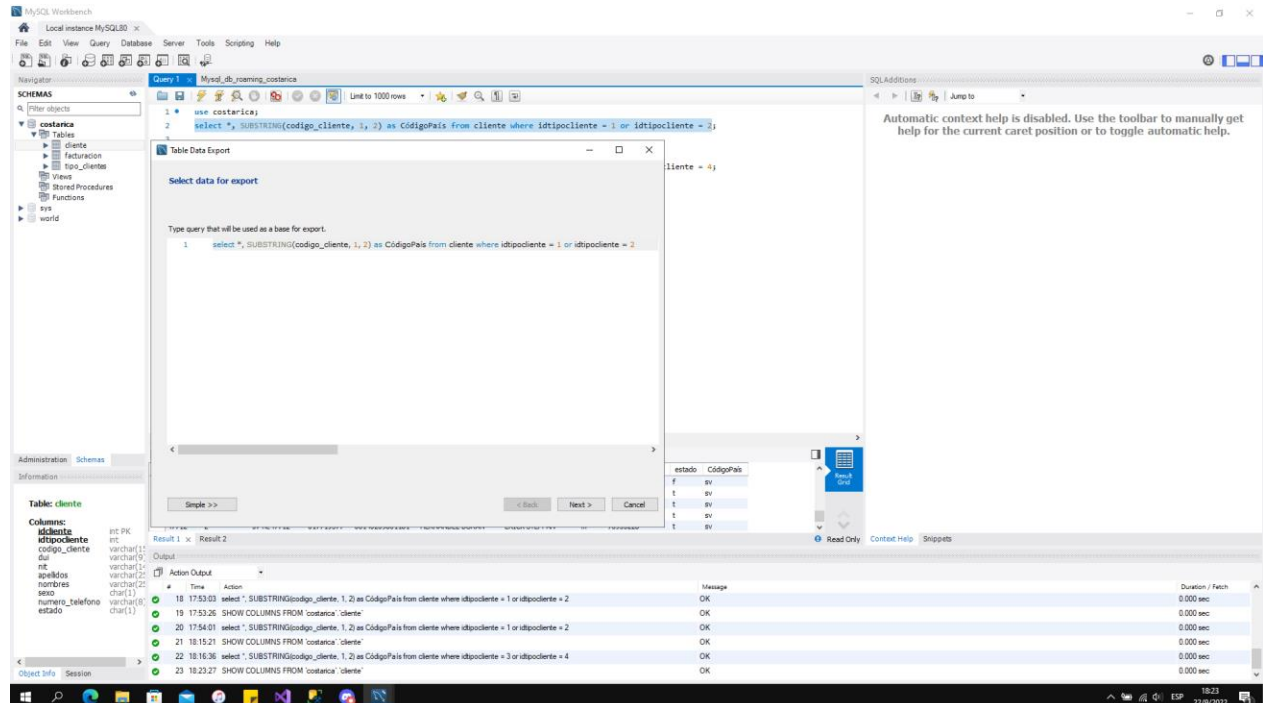
declare @sumaSA float = (select SUM(ALL Porcentaje) from VentasSA);
declare @ClientesSA float = (select Count(ALL id) from SantaAna_c20191007);

select Producto,
Porcentaje as TotalVentas,
round(Porcentaje*100/@ClientesSA,0) as [Compras C/100 Clientes]
from VentasSA order by Porcentaje desc

```

## Ejercicio 3 (100%):

## Preferencial y Ejecutivo (100%):





MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

Schemas

Filter objects

constancia

Tables

cliente

facturacion

tipo\_cliente

Views

Stored Procedures

Functions

sys

world

Table Data Export

Select output file location

Table Data Export allows you to easily export data into CSV, JSON datatables.

File Path: C:\Users\laser\Desktop\Preferencia y Ejecutivos.csv

Browse...

Options:

Field Separator: ,

Line Separator: LF

Enclose Strings in: " "

null and NULL word as SQL keyword: YES

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

dtipocliente = 3

dtipocliente = 4

telefono estado CódigoPaís

telefono	estado	CódigoPaís
47693	1	sv-mm47693
47695	1	sv-qa47695
47710	2	sv-dh47710
47711	2	sv-mm47711
47712	2	sv-he47712

Result 1 x Result 2

Output

Action Output

Time Action Message Duration / Fetch

Time	Action	Message	Duration / Fetch
18 17:53:03	select ' SUBSTRING(código_cliente, 1, 2) as CódigoPaís from cliente where dtipocliente = 1 or dtipocliente = 2	OK	0.000 sec
19 17:53:26	SHOW COLUMNS FROM 'constancia' 'cliente'	OK	0.000 sec
20 17:54:01	select ' SUBSTRING(código_cliente, 1, 2) as CódigoPaís from cliente where dtipocliente = 1 or dtipocliente = 2	OK	0.000 sec
21 18:15:21	SHOW COLUMNS FROM 'constancia' 'cliente'	OK	0.000 sec
22 18:16:36	select ' SUBSTRING(código_cliente, 1, 2) as CódigoPaís from cliente where dtipocliente = 3 or dtipocliente = 4	OK	0.000 sec
23 18:23:27	SHOW COLUMNS FROM 'constancia' 'cliente'	OK	0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

Schemas

Filter objects

constancia

Tables

cliente

facturacion

tipo\_cliente

Views

Stored Procedures

Functions

sys

world

Table Data Export

Export Data

The following tasks will now be performed. Please monitor the execution.

Prepare Export

Export data to file

Finished performing tasks. Click [Next >] to continue.

Show Logs

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

dtipocliente = 3

dtipocliente = 4

telefono estado CódigoPaís

telefono	estado	CódigoPaís
47693	1	sv-mm47693
47695	1	sv-qa47695
47710	2	sv-dh47710
47711	2	sv-mm47711
47712	2	sv-he47712

Result 1 x Result 2

Output

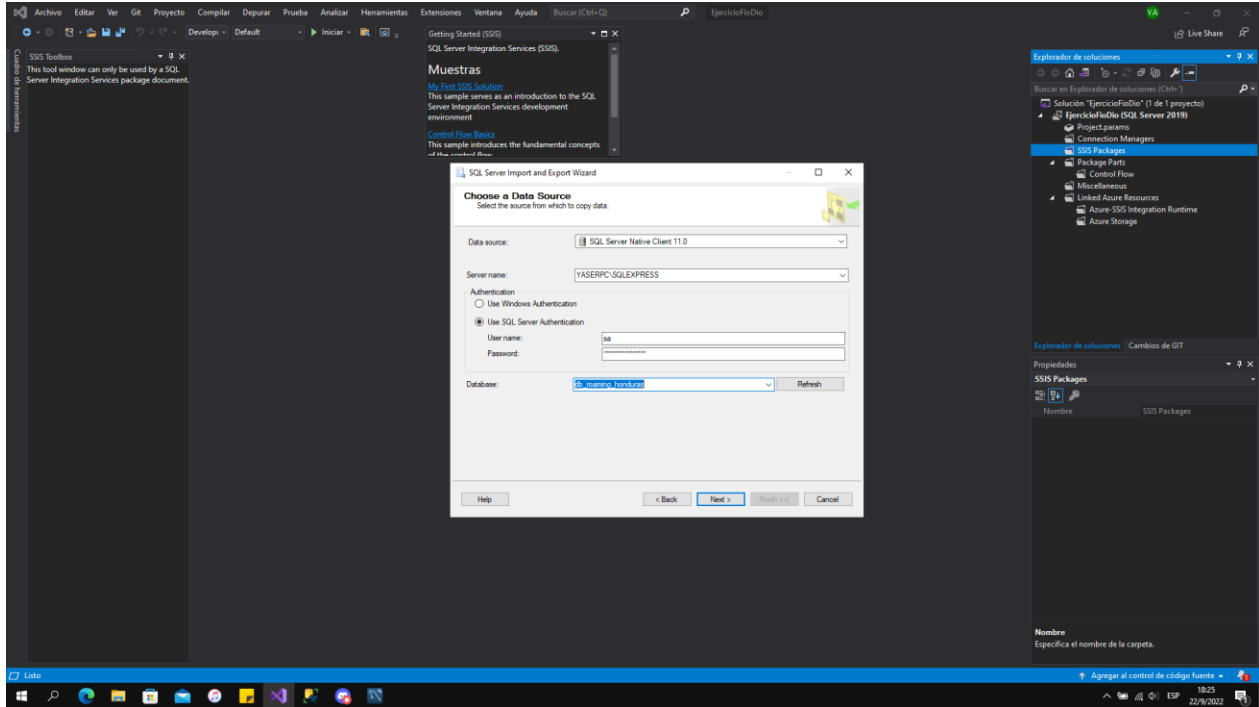
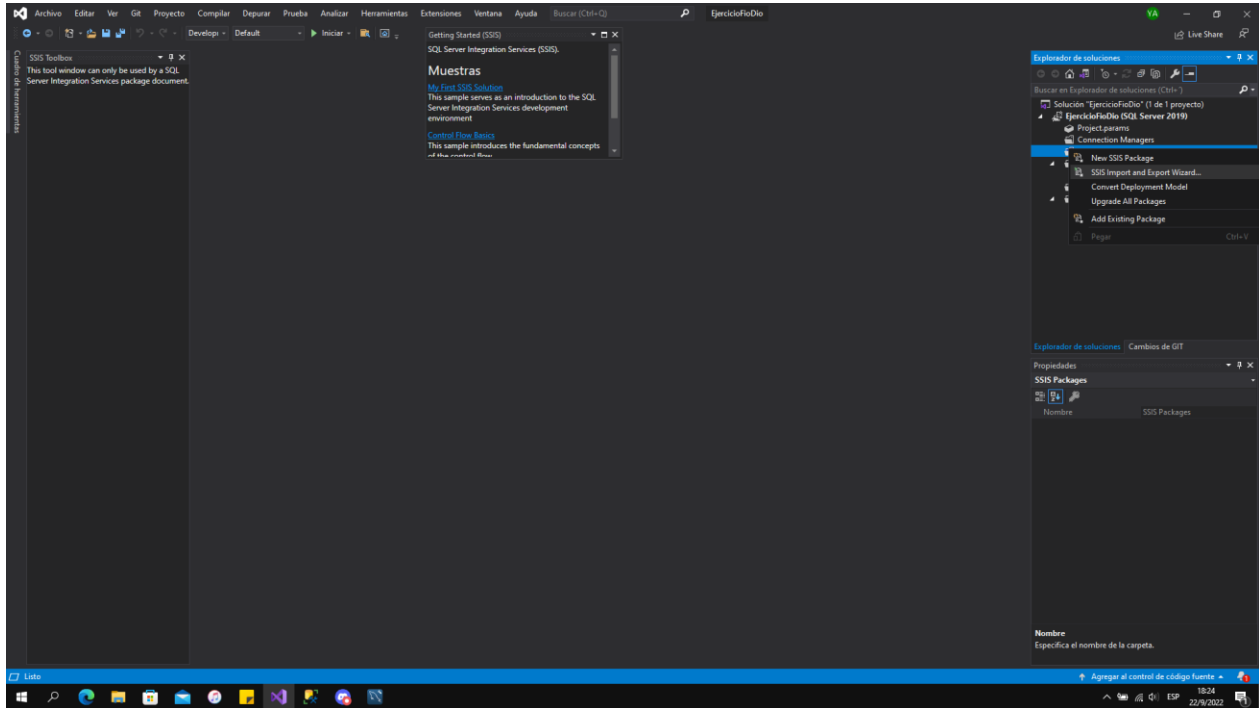
Action Output

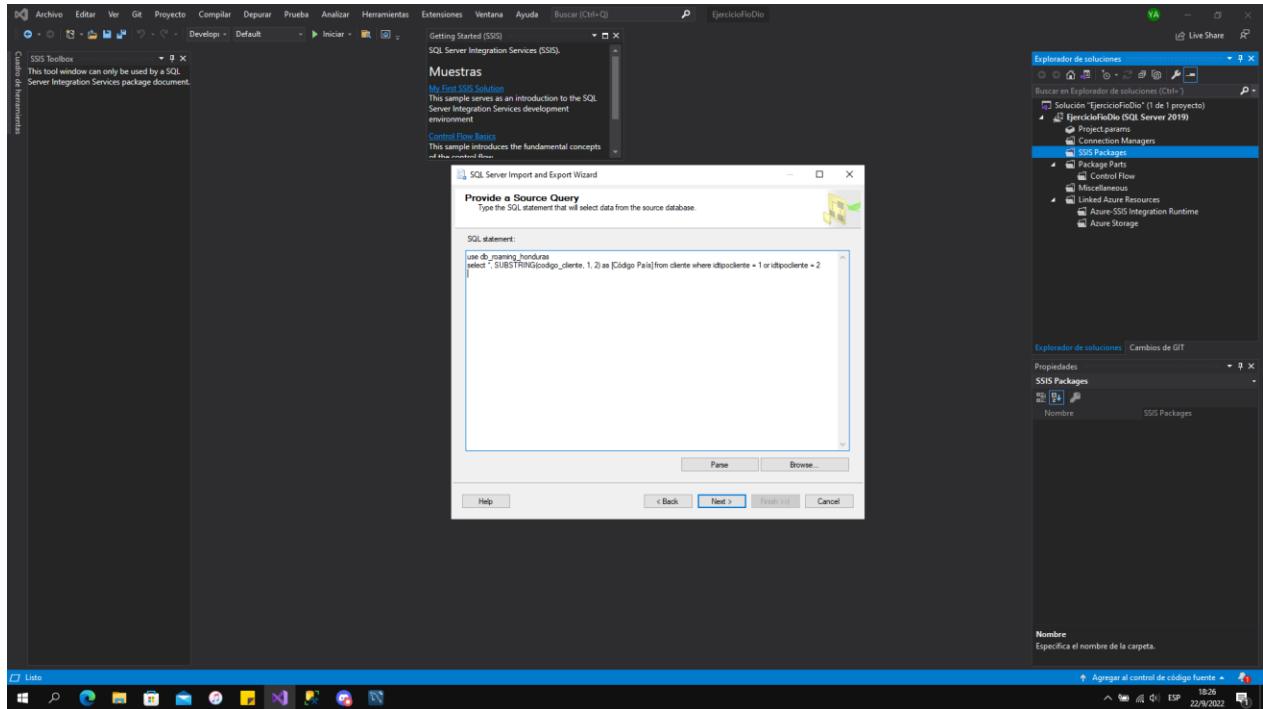
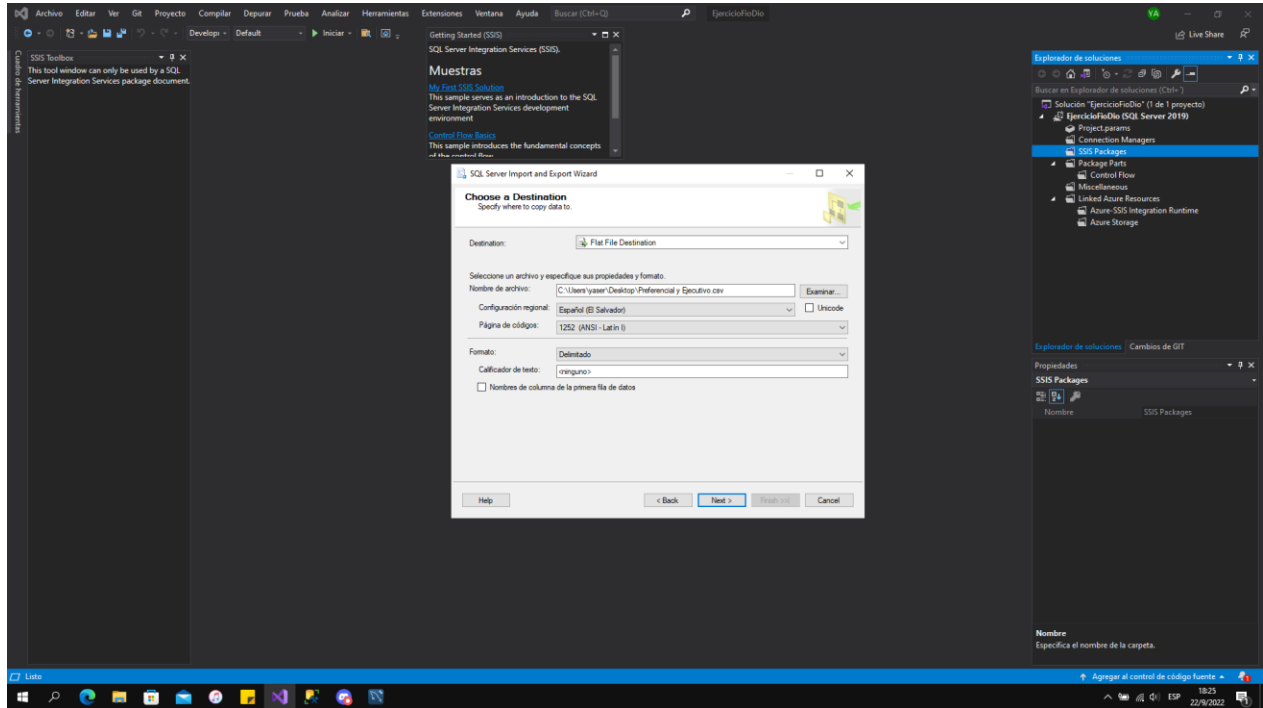
Time Action Message Duration / Fetch

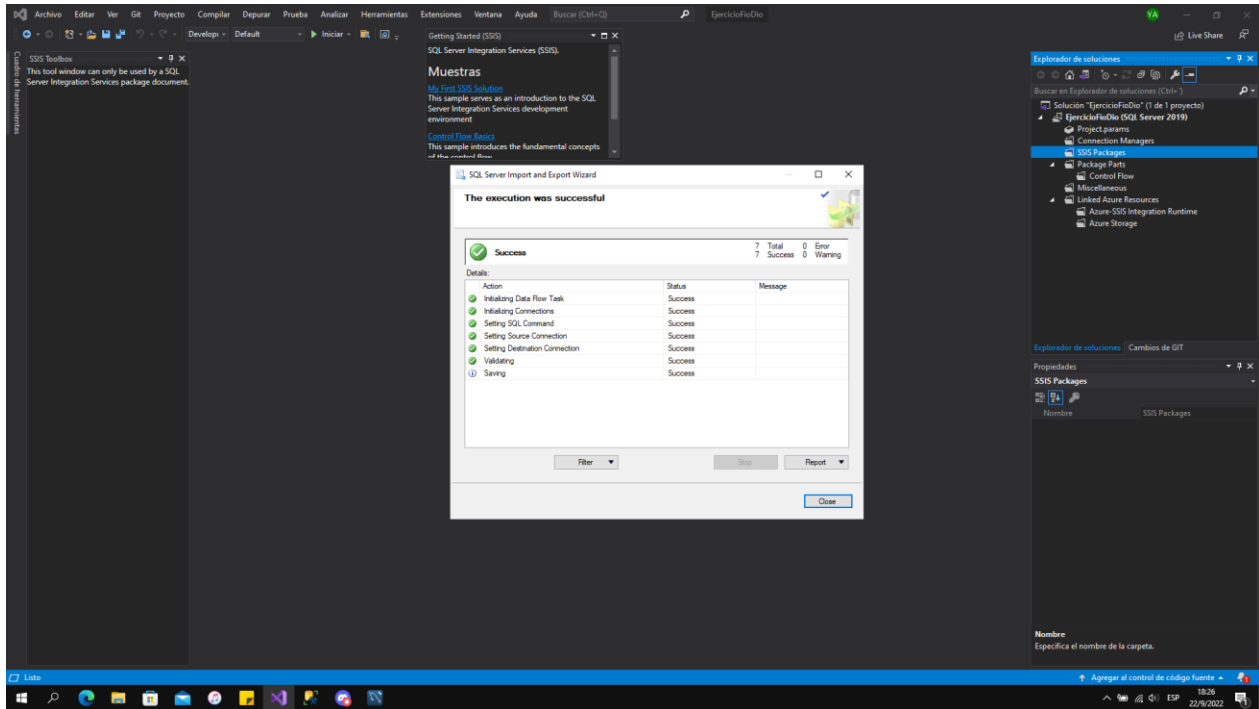
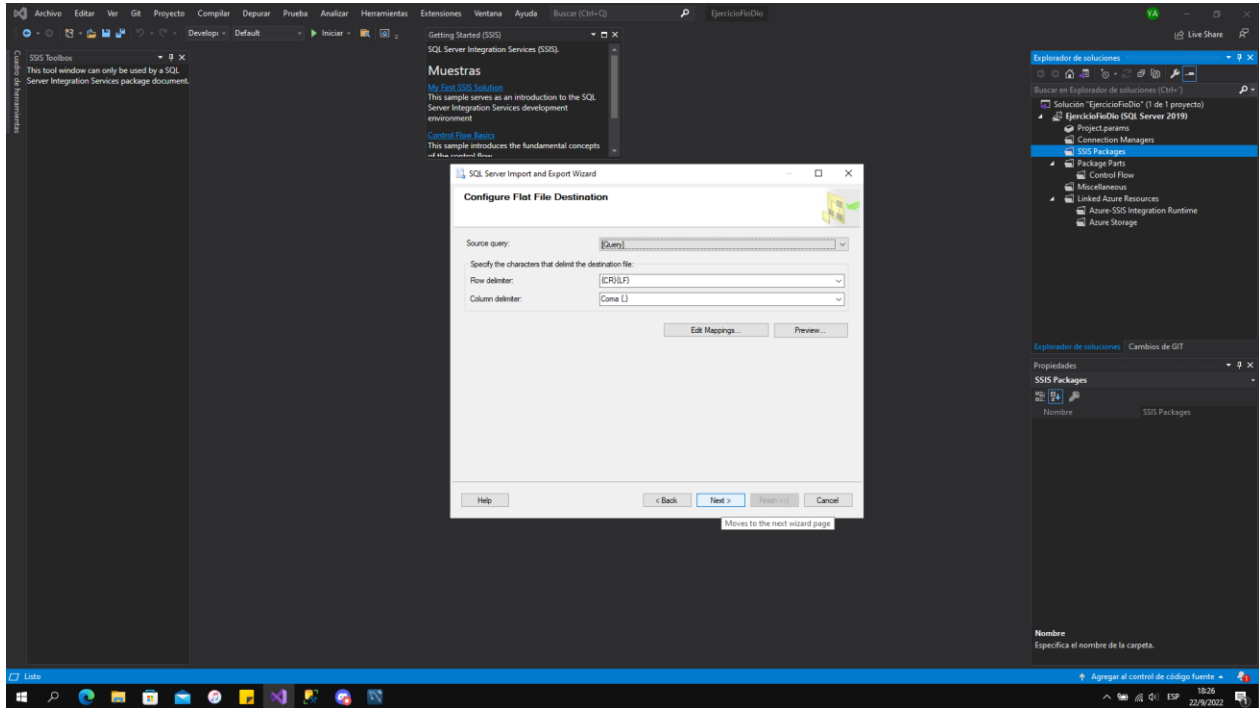
Time	Action	Message	Duration / Fetch
19 17:53:36	SHOW COLUMNS FROM 'constancia' 'cliente'	OK	0.000 sec
20 17:54:01	select ' SUBSTRING(código_cliente, 1, 2) as CódigoPaís from cliente where dtipocliente = 1 or dtipocliente = 2	OK	0.000 sec
21 18:15:21	SHOW COLUMNS FROM 'constancia' 'cliente'	OK	0.000 sec
22 18:16:36	select ' SUBSTRING(código_cliente, 1, 2) as CódigoPaís from cliente where dtipocliente = 3 or dtipocliente = 4	OK	0.000 sec
23 18:23:27	SHOW COLUMNS FROM 'constancia' 'cliente'	OK	0.000 sec
24 18:24:40	select ' SUBSTRING(código_cliente, 1, 2) as CódigoPaís from cliente where dtipocliente = 1 or dtipocliente = 2	OK	0.000 sec

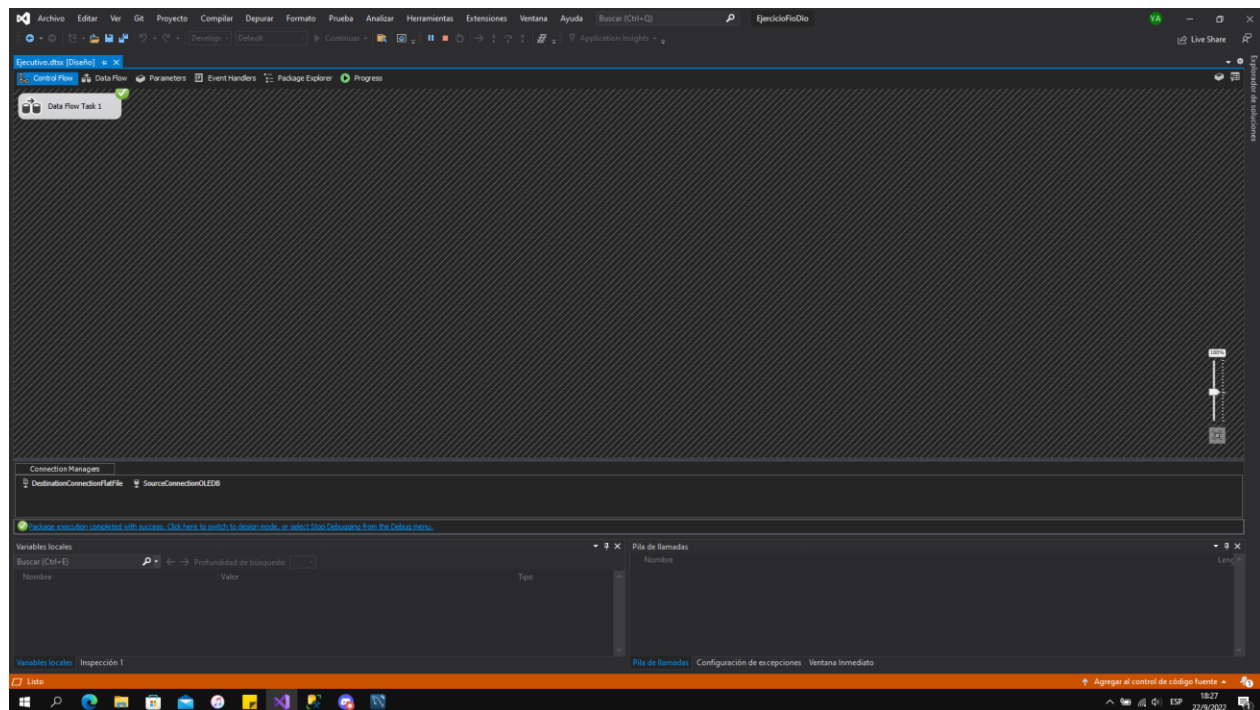
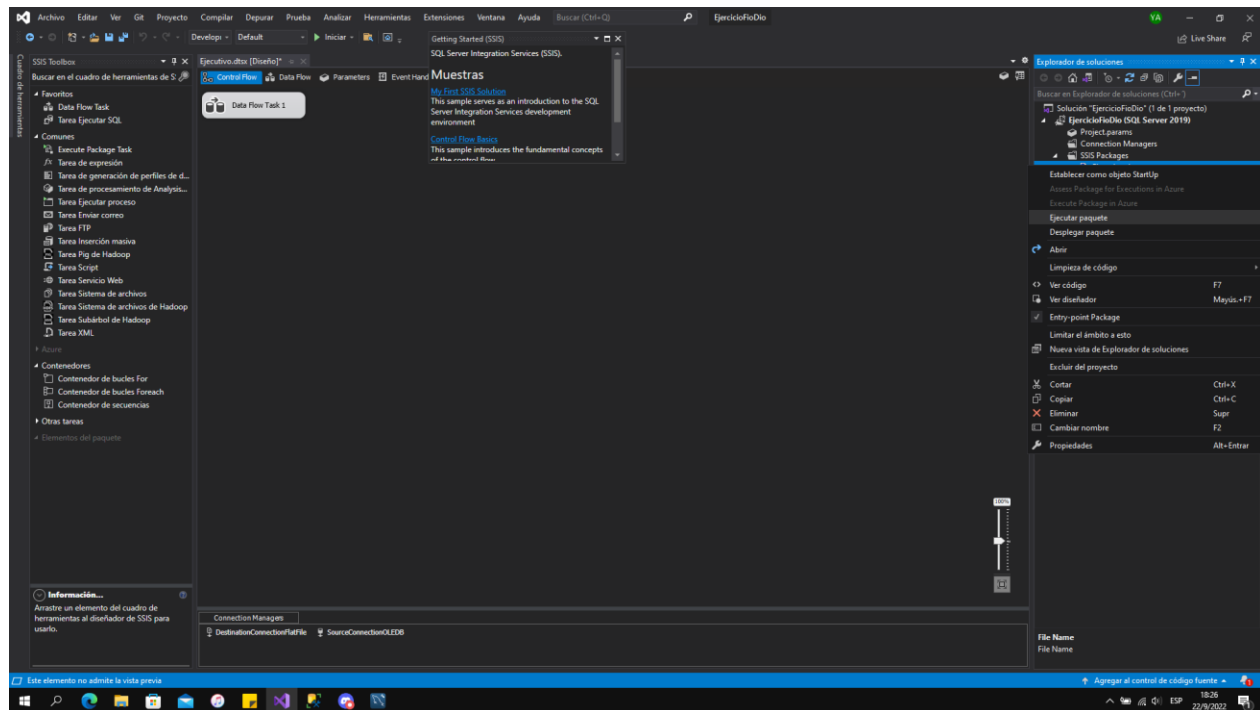
Object Info Session









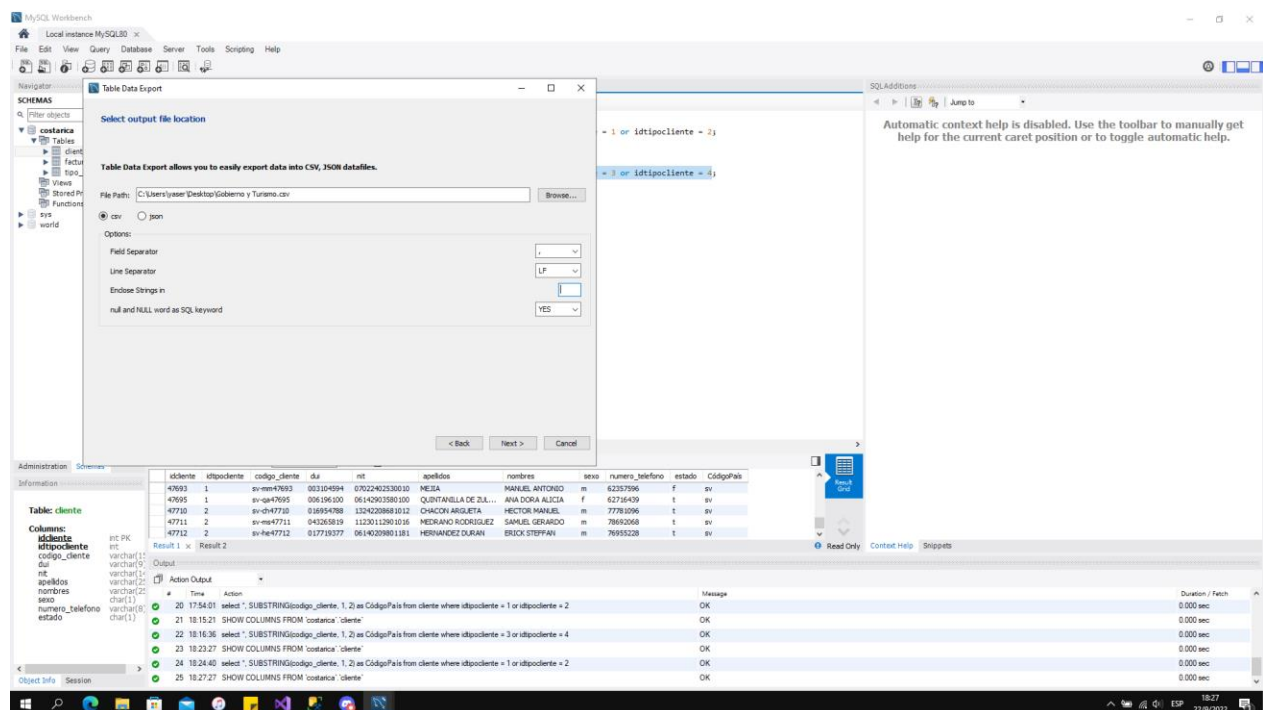
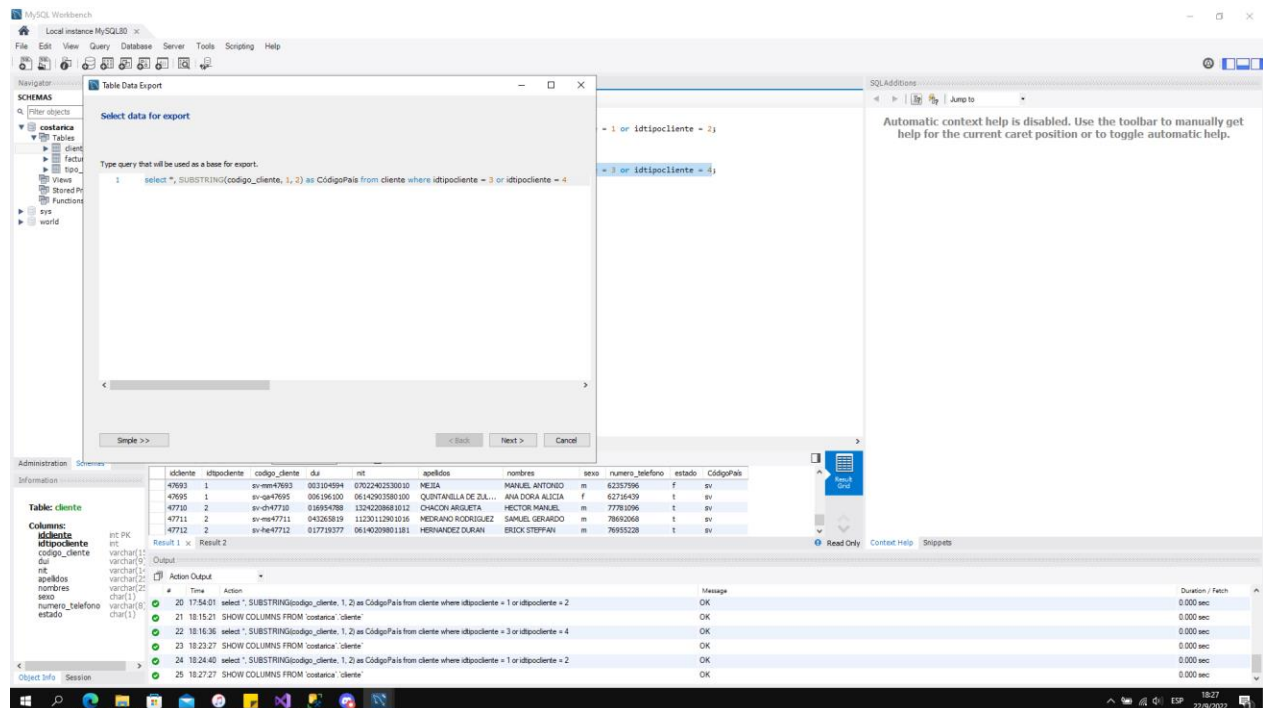


## Código MySQL:

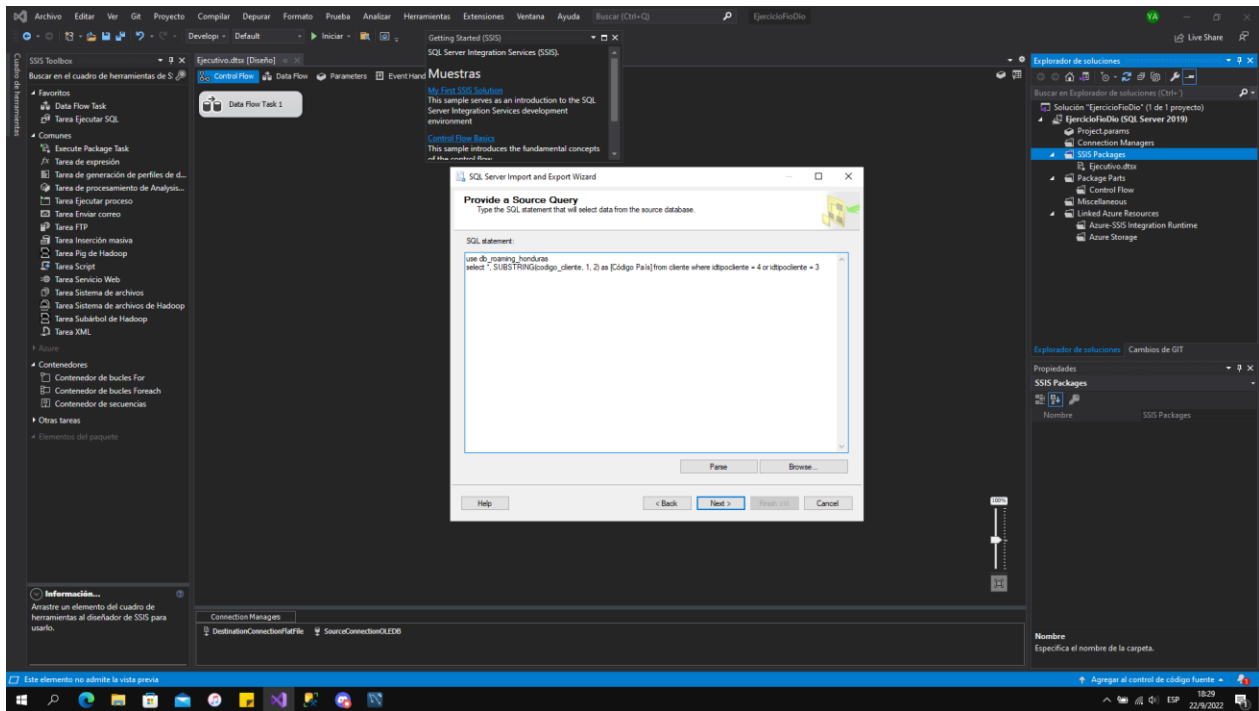
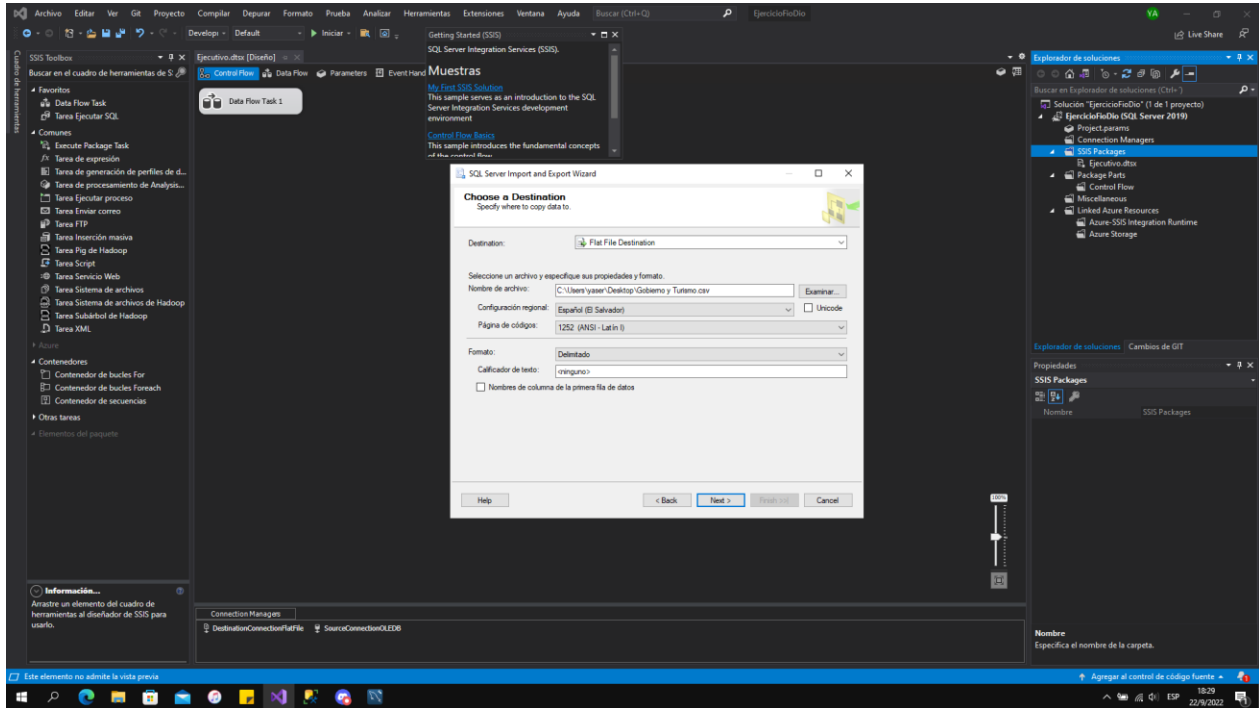
select \*, SUBSTRING(codigo\_cliente, 1, 2) as CódigoPaís from cliente where idtipocliente = 1 or idtipocliente = 2

```
use db_roaming_honduras
select *, SUBSTRING(codigo_cliente, 1, 2) as [Código País] from cliente where
idtipocliente = 1 or idtipocliente = 2
```

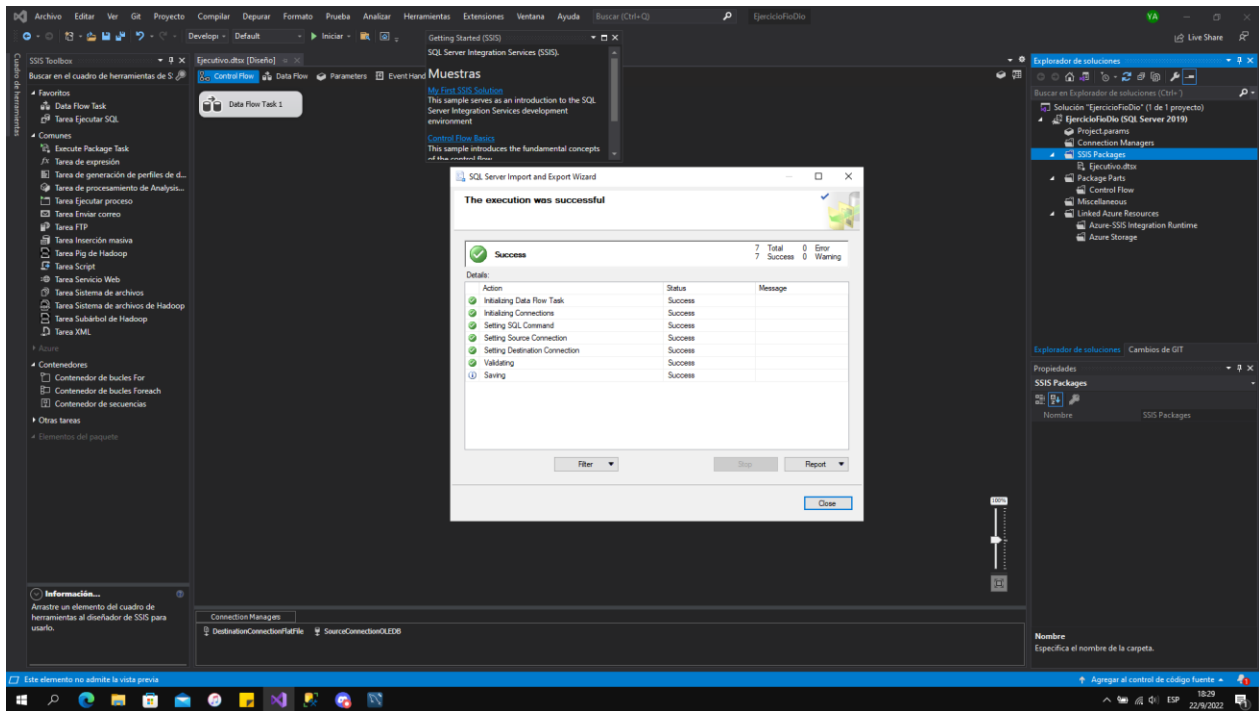
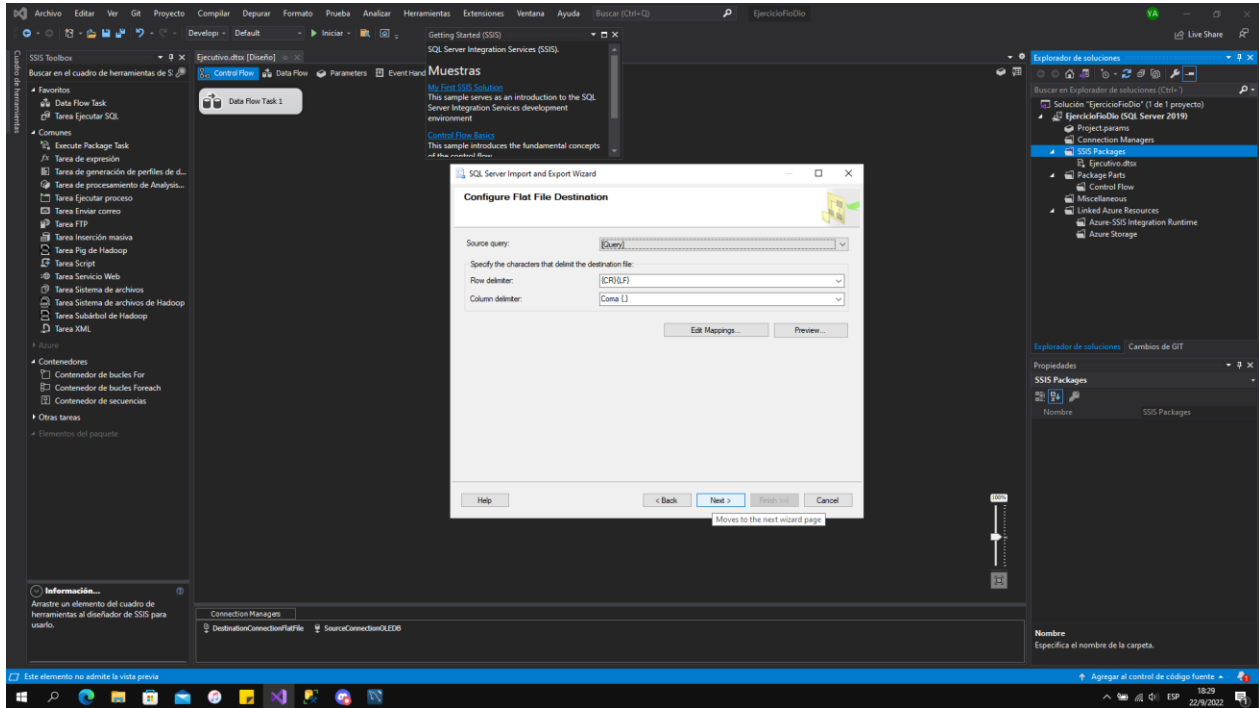
### Gobierno y Turismo (100%):

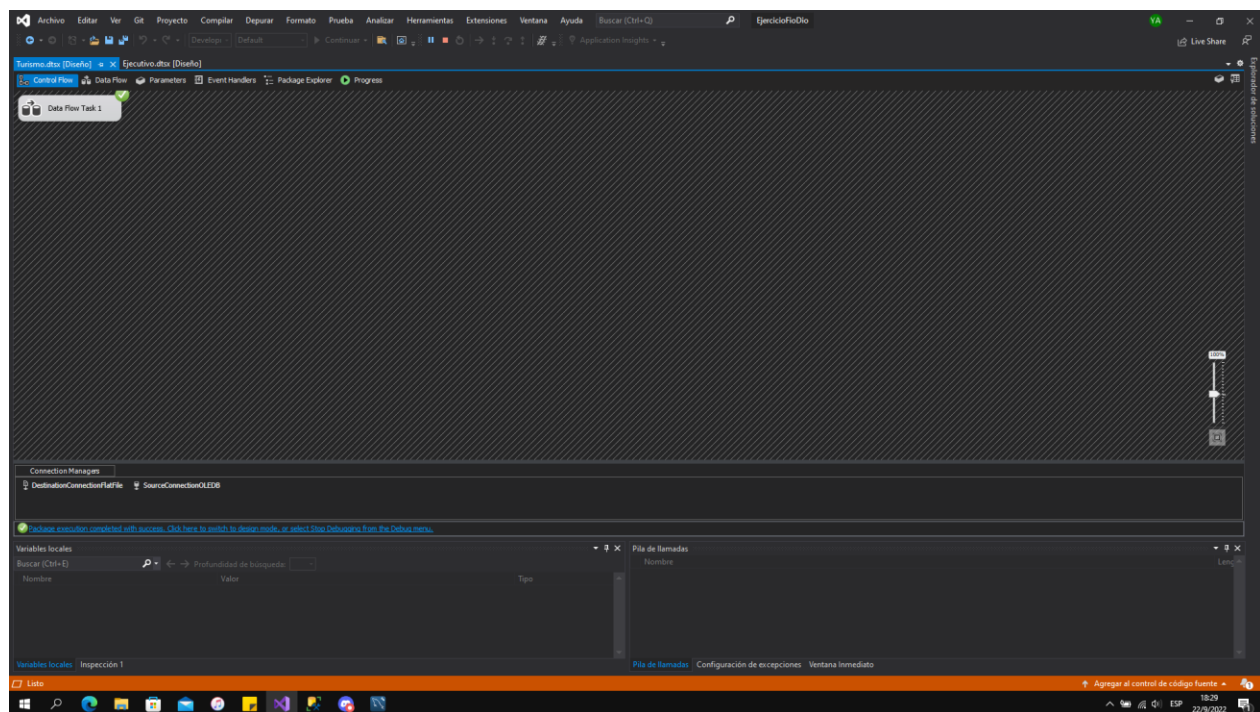
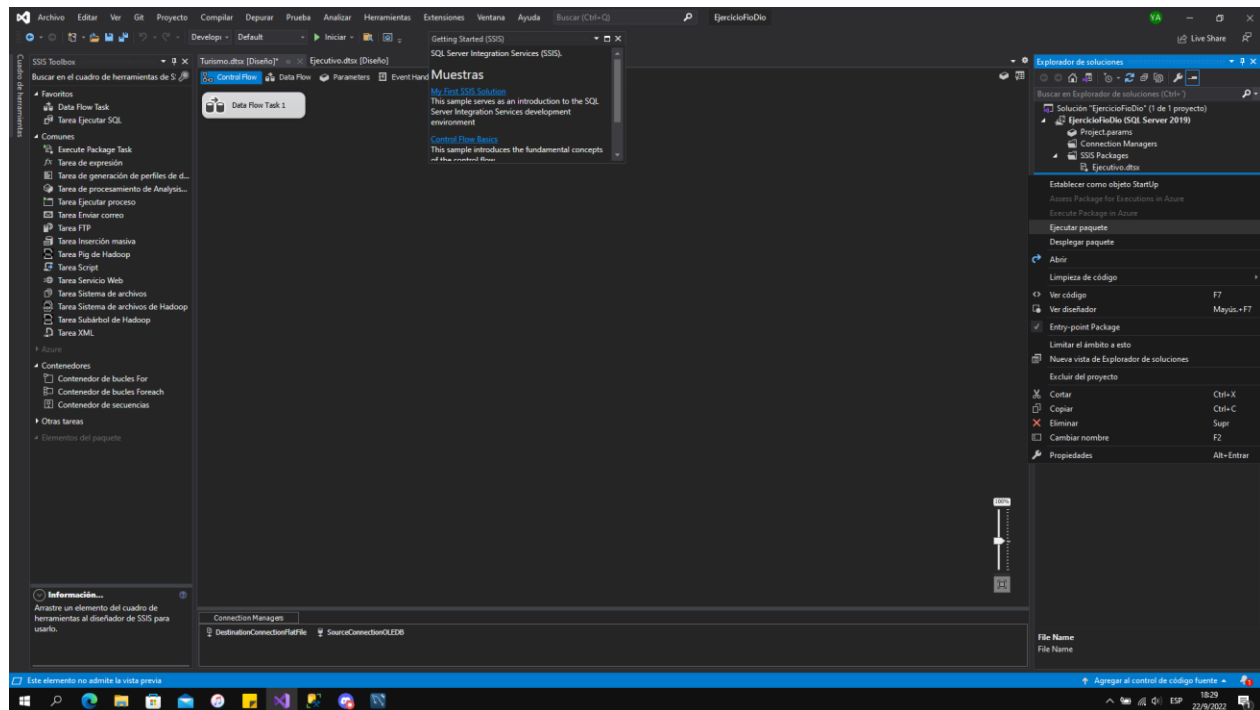












## Código MySQL:

select \*, SUBSTRING(codigo\_cliente, 1, 2) as CódigoPaís from cliente where idtipocliente = 3 or idtipocliente = 4

## Código SQLServer:

```
use db_roaming_honduras
select *, SUBSTRING(codigo_cliente, 1, 2) as [Código País] from cliente where
idtipocliente = 4 or idtipocliente = 3
```

## Link a GitHub:

[https://github.com/Yaser-AndOr/Desafio1\\_DMD/tree/PDF](https://github.com/Yaser-AndOr/Desafio1_DMD/tree/PDF)