



DATAWAREHOUSE Y MINERÍA DE DATOS

DESAFÍO 1

2022

UNIVERSIDAD DON BOSCO

```
1 $(function(){cards();});  
2 $(window).on('resize', function(){cards();});  
43 function cards(){  
44   var width = $(window).width();  
45   if(width < 750){  
46     cardssmallscreen();  
47   }else{  
48     cardsbigscreen();  
49   }  
   cardssmallscreen(){  
     = $('card').length;  
   }
```

Josue Alfonso Ayala
AM210971

Kallahan Andrea Salas
SB210537

EJERCICIO 1

CONSTANCIA QUERY

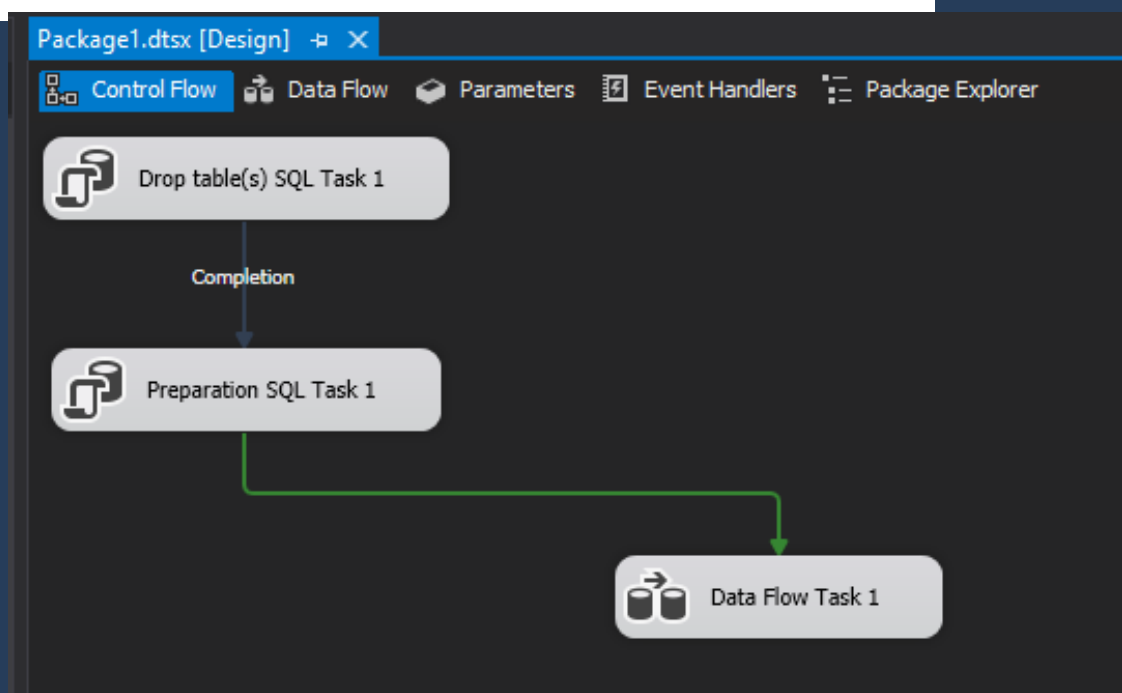
Script for SelectTopNRows command from SSMS

```
SELECT * FROM [ejercicio1].[dbo].[Spa_diego];
```

```
SELECT Sucursal, Sexo "Genero", count(sexo) as "Cantidad por Genero", cast(avg(ingresos) as decimal(10,2)) as "Ingreso promedio",  
cast(avg(ingresos) as decimal(10,2)) as "Promedio de visitas por genero",  
cast(sum(CAST(Sauna as float))/ count(cast(sexo as float)) as decimal(10,4)) as "Promedio Sauna por Genero",  
cast(sum(CAST(Masaje as float))/ count(cast(sexo as float)) as decimal(10,4)) as "Promedio Masaje por Genero",  
cast(sum(CAST(Hidro as float))/ count(cast(sexo as float)) as decimal(10,4)) as "Promedio Hidro por Genero",  
cast(sum(CAST(Yoga as float))/ count(cast(sexo as float)) as decimal(10,4)) as "Promedio Yoga por Genero"  
FROM [ejercicio1].[dbo].[Spa_diego] group by Sucursal, Sexo order by Sucursal, Sexo asc ;
```

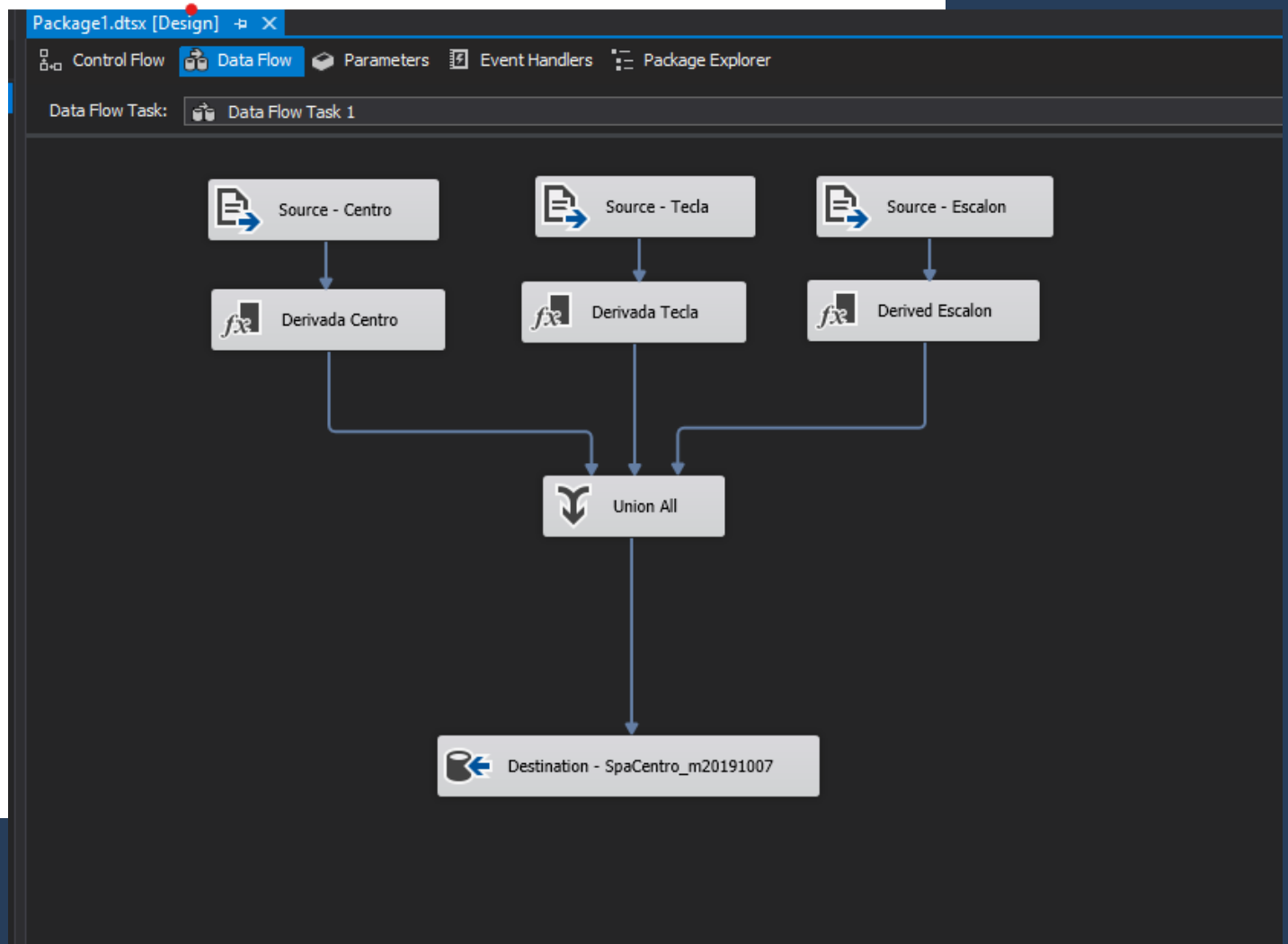
	Sucursal	Genero	Cantidad por Genero	Ingreso promedio	Promedio de visitas por genero	Promedio Sauna por Genero	Promedio Masaje por Genero	Promedio Hidro por Genero	Promedio Yoga por Genero
1	Cen	0	14	1914.47	1914.47	0.7857	0.9286	0.2857	0.3571
2	Cen	1	36	1684.90	1684.90	0.7778	0.8056	0.3611	0.2500
3	Esc	0	187	1692.84	1692.84	0.4813	0.5348	0.4920	0.4813
4	Esc	1	213	1709.53	1709.53	0.4883	0.4695	0.5023	0.5117
5	Tec	0	195	1599.47	1599.47	0.2205	0.4974	0.2308	0.5949
6	Tec	1	55	1741.74	1741.74	0.1455	0.4909	0.1818	0.5818

CONTROL FLOW



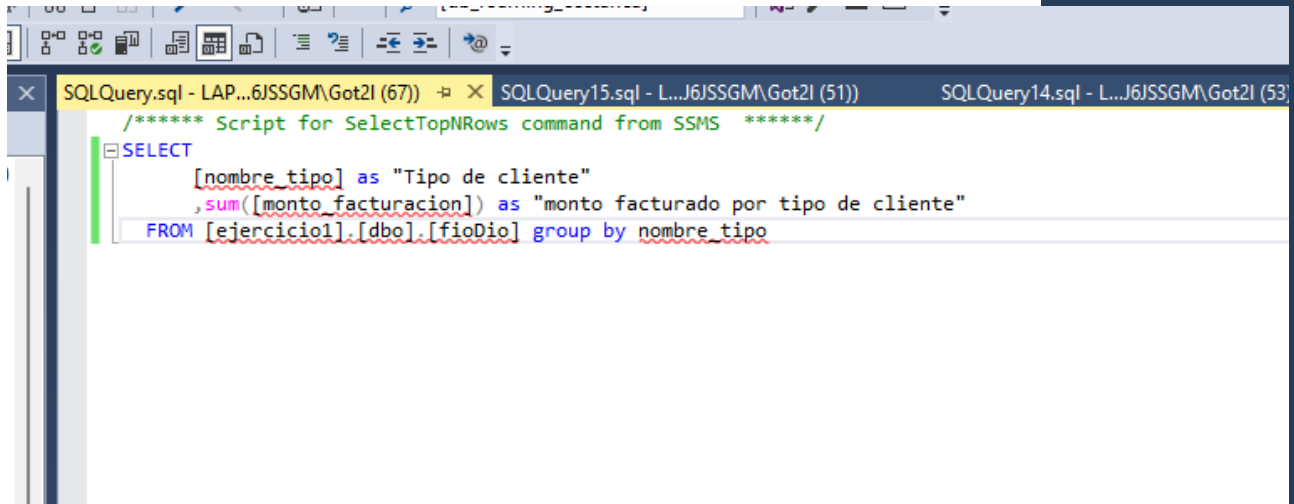
EJERCICIO 1

DATA FLOW



EJERCICIO 2

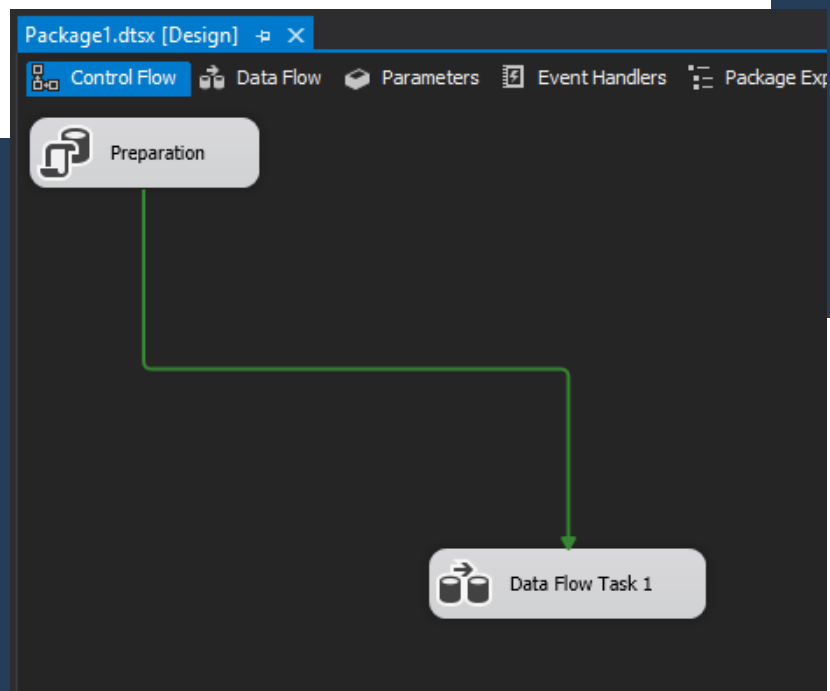
CONSTANCIA QUERY



The screenshot shows a SQL Server Enterprise Manager window with a query script in SQLQuery15.sql. The script is a SELECT statement with two columns: 'Tipo de cliente' and 'monto facturado por tipo de cliente'. The data is grouped by 'nombre_tipo' from the 'ejercicio1.dbo.fioDio' table.

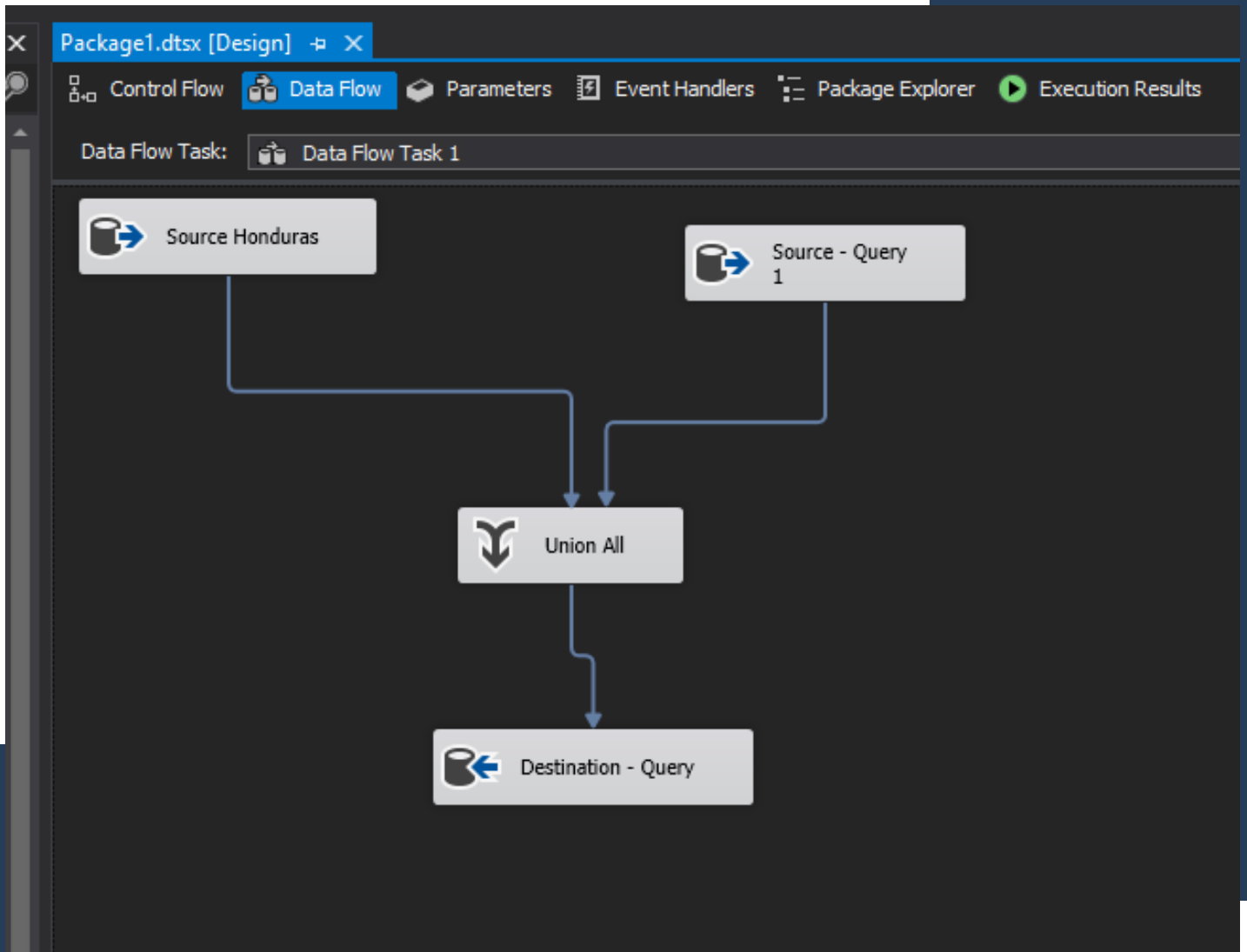
```
/****** Script for SelectTopNRows command from SSMS *****/  
SELECT  
    [nombre_tipo] as "Tipo de cliente"  
    ,sum([monto facturacion]) as "monto facturado por tipo de cliente"  
FROM [ejercicio1].[dbo].[fioDio] group by nombre_tipo
```

CONTROL FLOW



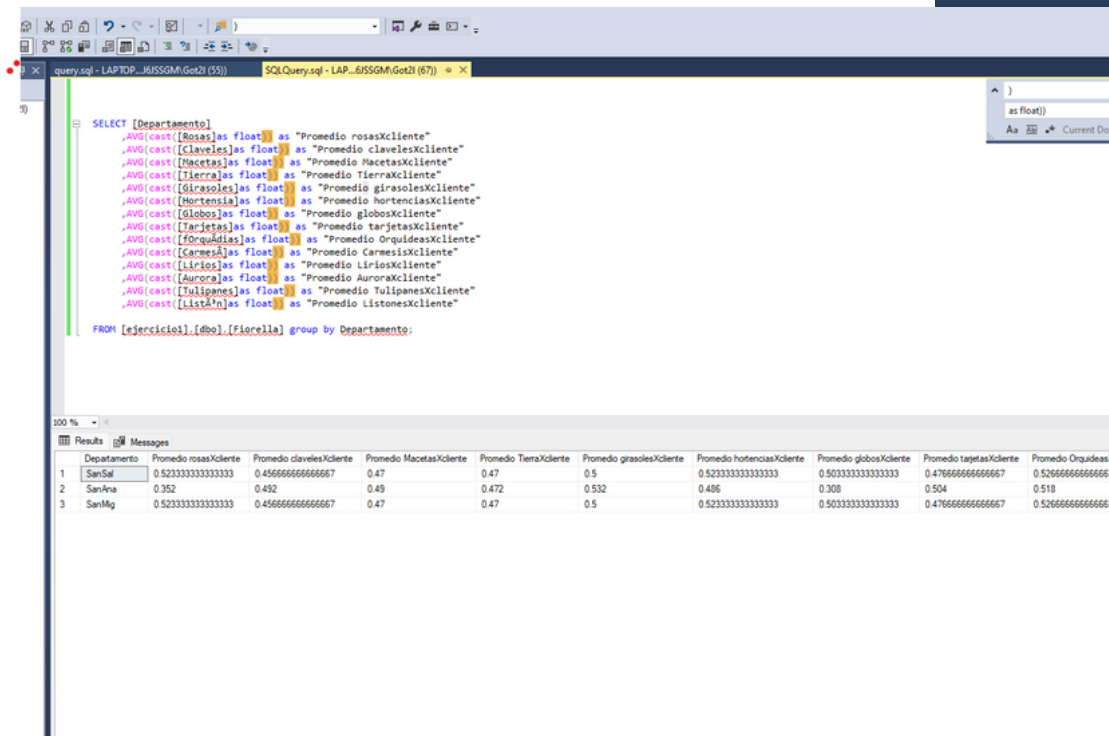
EJERCICIO 2

DATA FLOW



EJERCICIO 3

CONSTANCIA QUERY

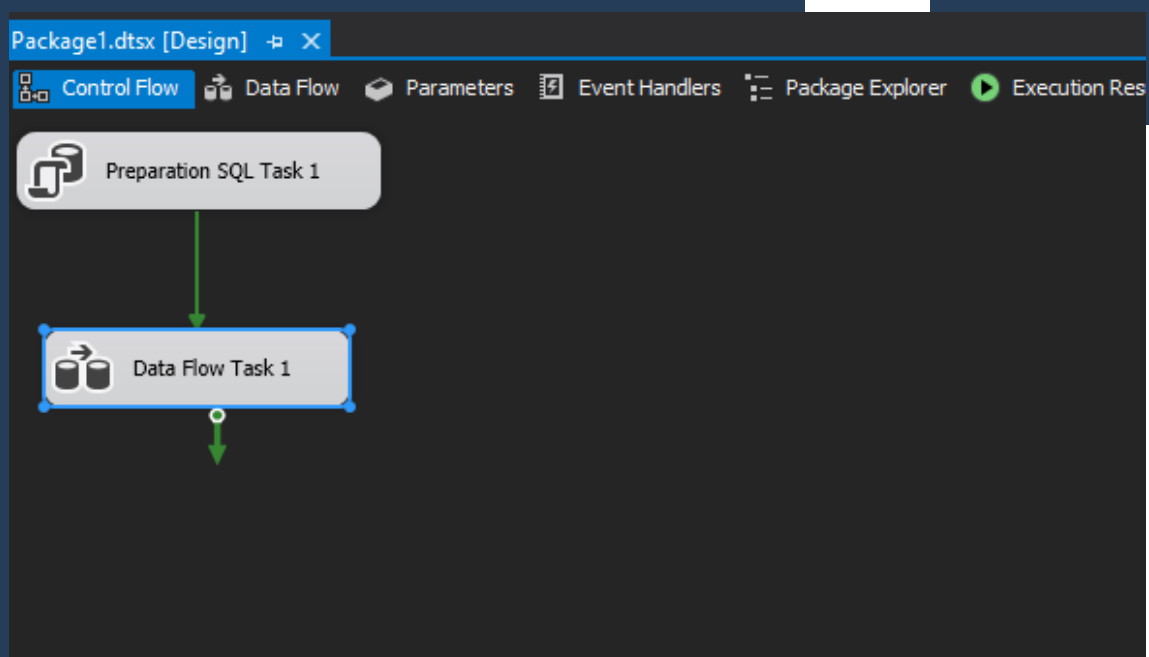


The screenshot shows a SQL query in the Enterprise Manager query editor. The query selects various average values from a table named 'ejercicio1' in the 'Floriella' database, grouped by 'Departamento'. The results are displayed in a table with 10 columns and 3 rows.

```
SELECT [Departamento],
AVG(cast([Rosas] as float)) as "Promedio rosasXcliente",
AVG(cast([Claveles] as float)) as "Promedio clavelesXcliente",
AVG(cast([Macetas] as float)) as "Promedio MacetasXcliente",
AVG(cast([Tierra] as float)) as "Promedio TierraXcliente",
AVG(cast([Girasoles] as float)) as "Promedio girasolesXcliente",
AVG(cast([Hortensia] as float)) as "Promedio hortensiasXcliente",
AVG(cast([Globos] as float)) as "Promedio globosXcliente",
AVG(cast([Tarjetas] as float)) as "Promedio tarjetasXcliente",
AVG(cast([Orquideas] as float)) as "Promedio OrquideasXcliente",
AVG(cast([Carnes] as float)) as "Promedio CarnesXcliente",
AVG(cast([Lirios] as float)) as "Promedio LiriosXcliente",
AVG(cast([Auroras] as float)) as "Promedio AurorasXcliente",
AVG(cast([Tulipanes] as float)) as "Promedio TulipanesXcliente",
AVG(cast([Listas] as float)) as "Promedio ListonesXcliente"
FROM [ejercicio1].[dbo].[Floriella] group by Departamento;
```

	Departamento	Promedio rosasXcliente	Promedio clavelesXcliente	Promedio MacetasXcliente	Promedio TierraXcliente	Promedio girasolesXcliente	Promedio hortensiasXcliente	Promedio globosXcliente	Promedio tarjetasXcliente	Promedio OrquideasXcliente
1	SanSal	0.523333333333333	0.456666666666667	0.47	0.47	0.5	0.523333333333333	0.503333333333333	0.476666666666667	0.526666666666667
2	SanAna	0.352	0.492	0.49	0.472	0.532	0.308	0.504	0.504	0.518
3	SanMig	0.523333333333333	0.456666666666667	0.47	0.47	0.5	0.523333333333333	0.503333333333333	0.476666666666667	0.526666666666667

CONTROL FLOW



EJERCICIO 2

DATA FLOW

