

Universidad Don Bosco



Facultad de Ingeniería Escuela de Ingeniería en Computación

Estudiante:

- Alexandra María Henríquez Miranda HM232507

Contenido: Ejercicio 3.1

Asignatura: Datawarehouse y Minería de Datos DMD941

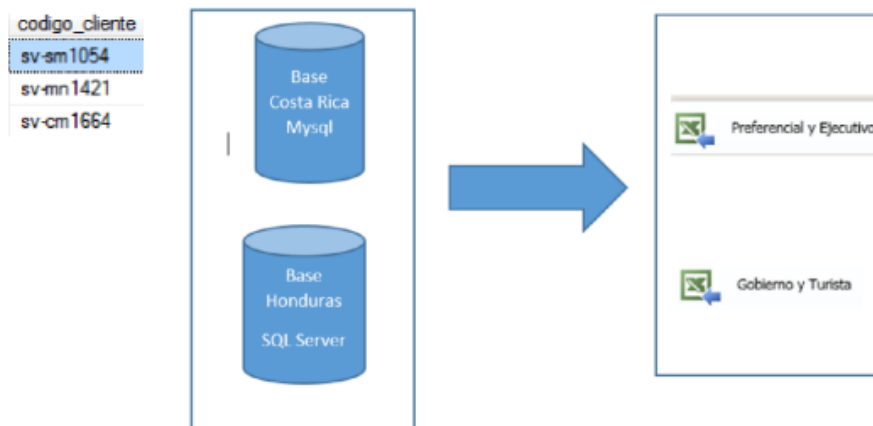
Grupo: G01T

Lugar y fecha:

San Salvador, 16 de septiembre de 2023.

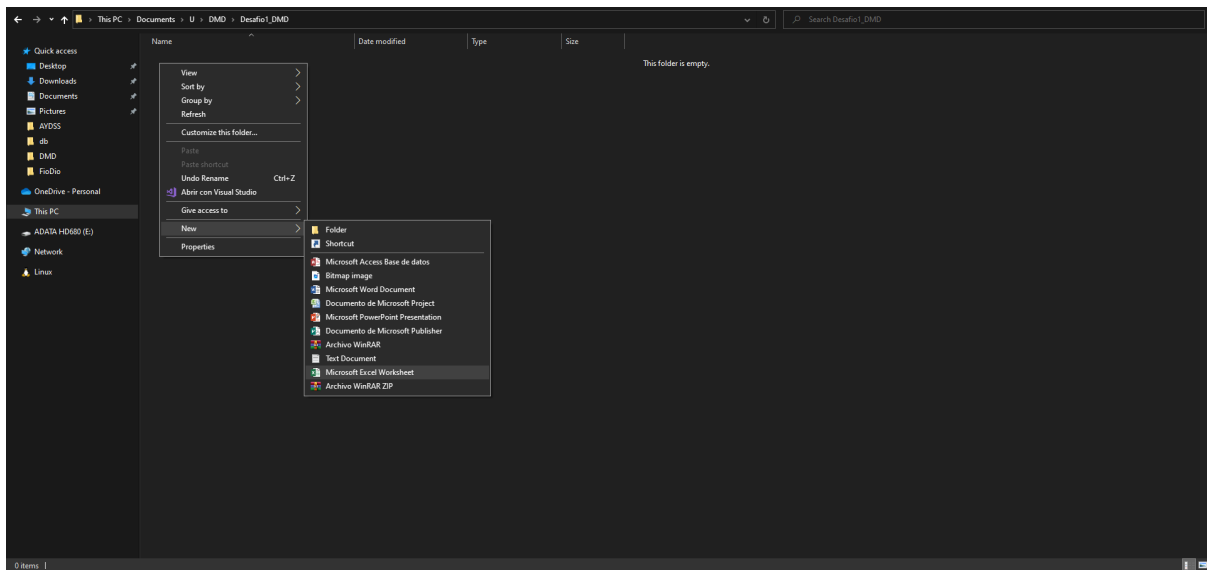
Ejercicio 3:

(20%) La telefonía “FioDio” solicita realizar un ETL que exporte una base de datos de Mysql SQL Server, al final el destino serán dos archivos de Excel en donde en un archivo estarán los clientes preferenciales y ejecutivos y en el segundo los de gobierno y turista, adicional en los archivos de Excel se deberá crear un campo código de país, que se llenará sustraendo los dos primeros caracteres de código cliente, ver imagen a continuación.

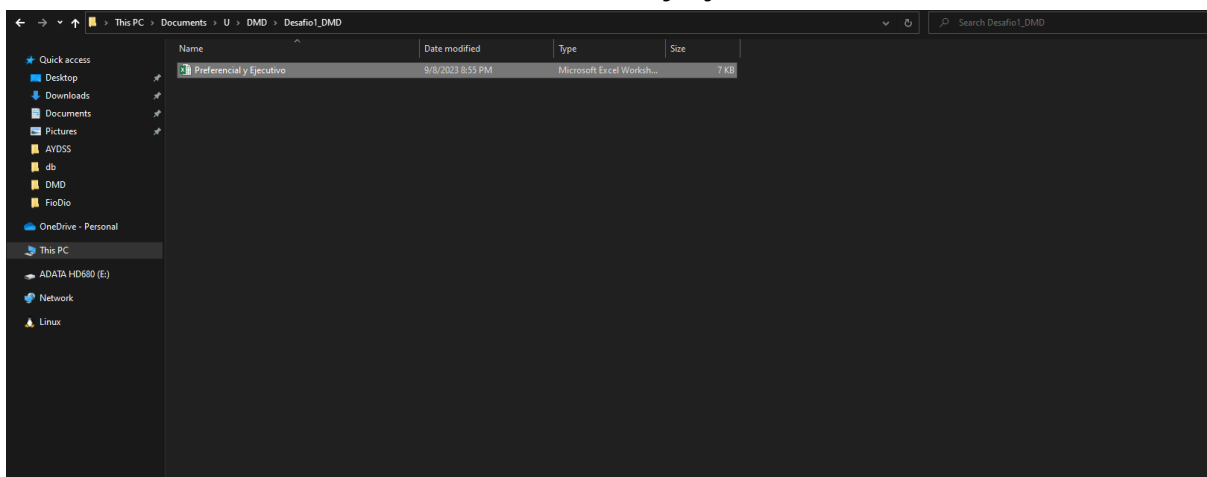


Solución para ejercicio 3.1: Preferencial y ejecutivo.

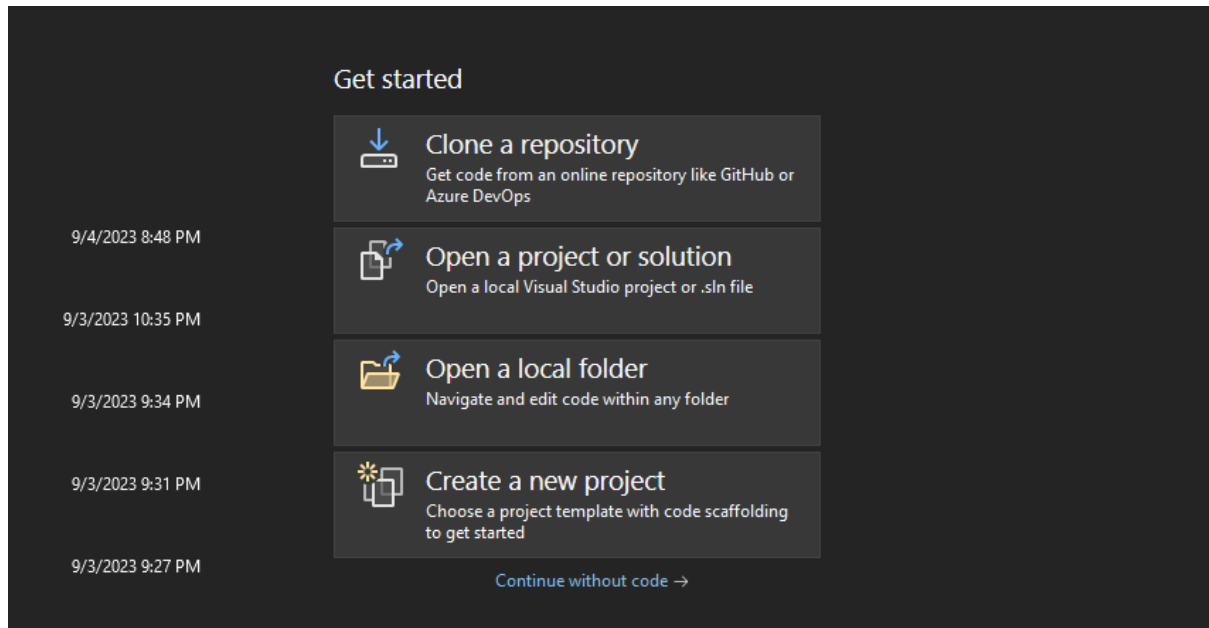
1- Crear un documento de Excel donde se alojarán los datos deseados



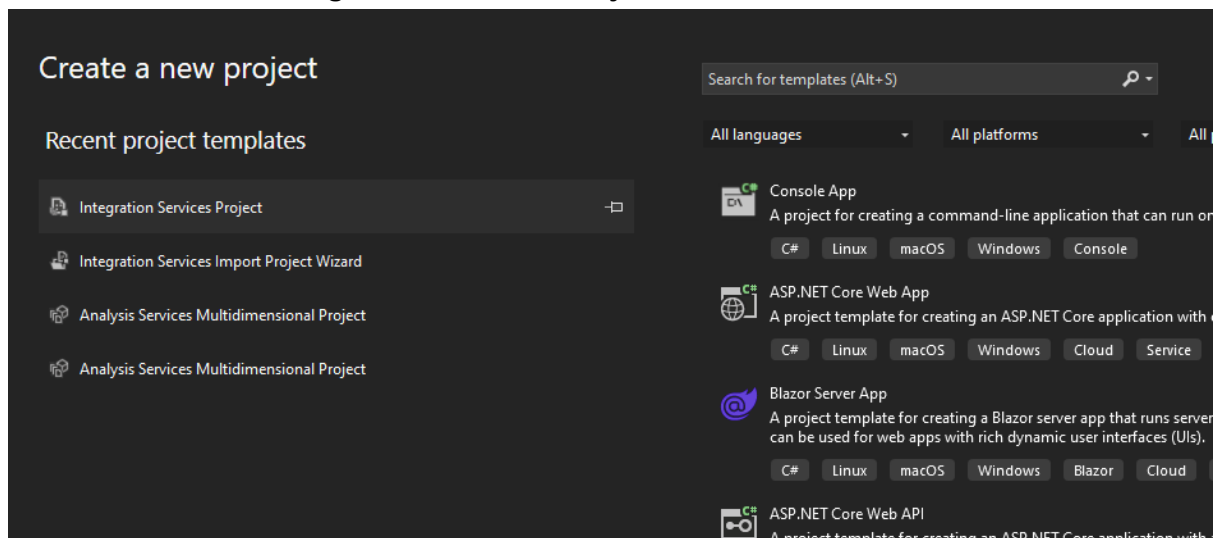
En este caso el archivo se llamará Preferencial y Ejecutivo



2- Abrir Visual Studio y Crear un Nuevo Proyecto



3- Seleccionamos “Integration Services Project”



4- Escogemos el nombre y location del proyecto

Configure your new project

Integration Services Project

Project name

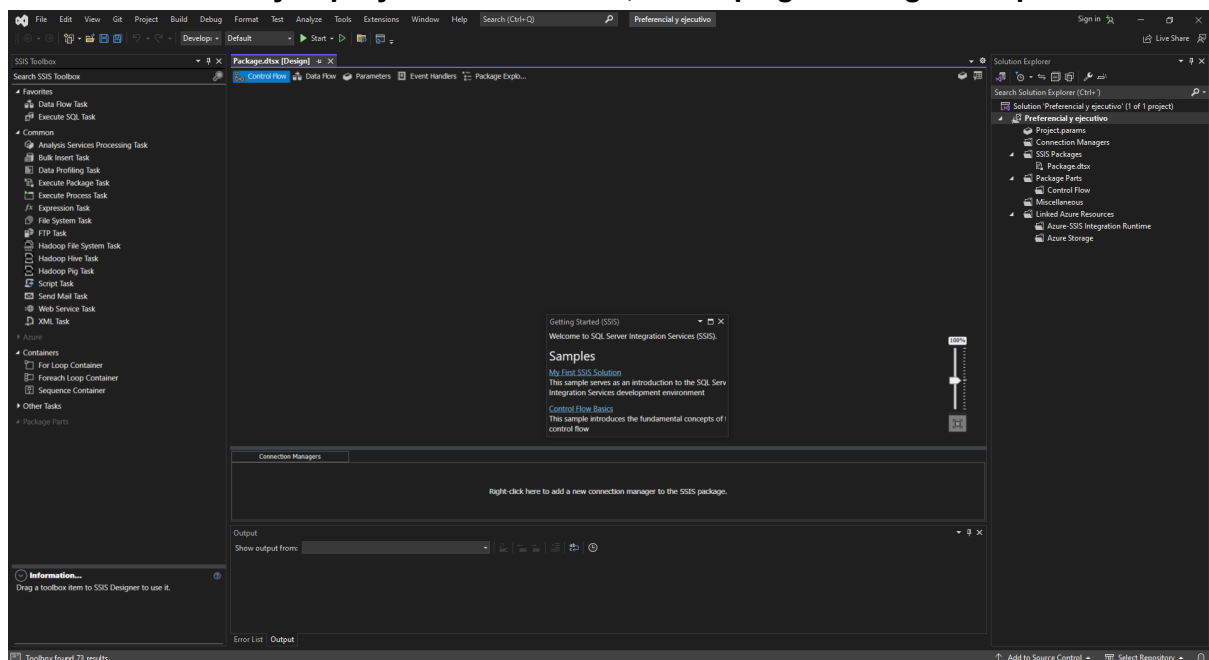
Location

Solution name ⓘ

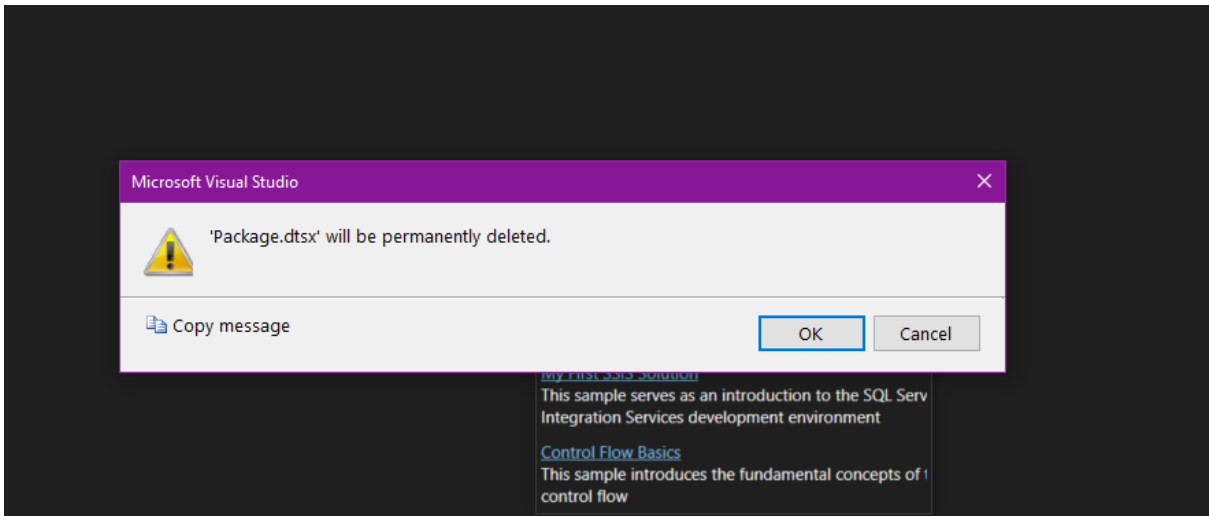
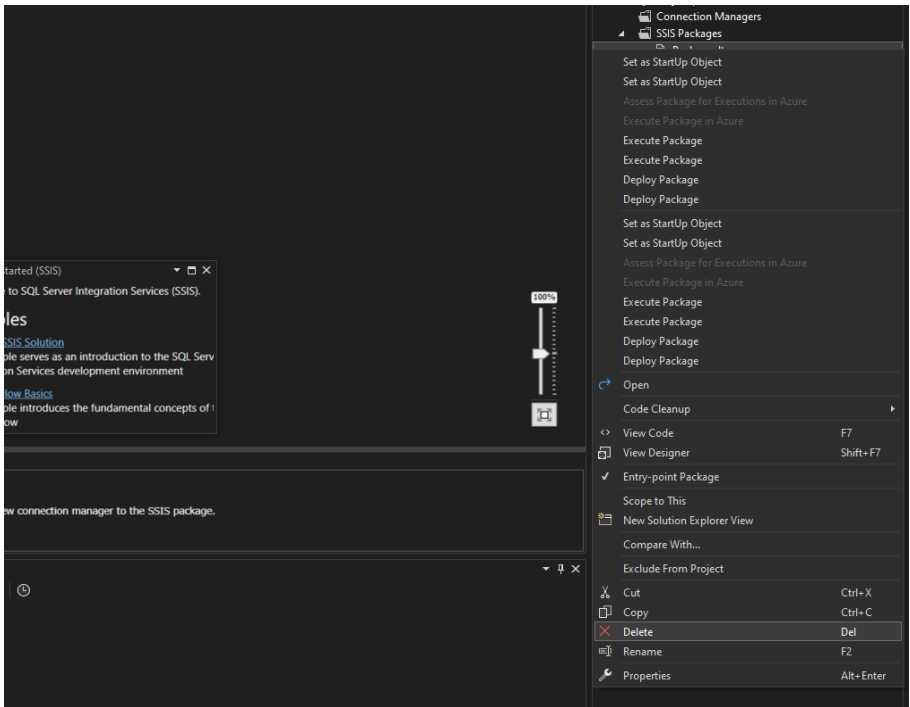
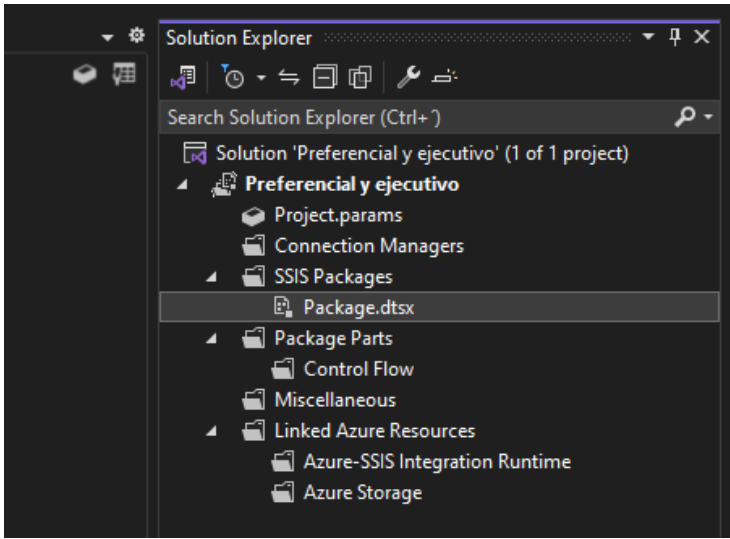
☐ Place solution and project in the same directory

Project will be created in "C:\Users\alexa\Documents\U\DM\Desafio1\Preferencial y ejecutivo\Preferencial y ejecutivo"

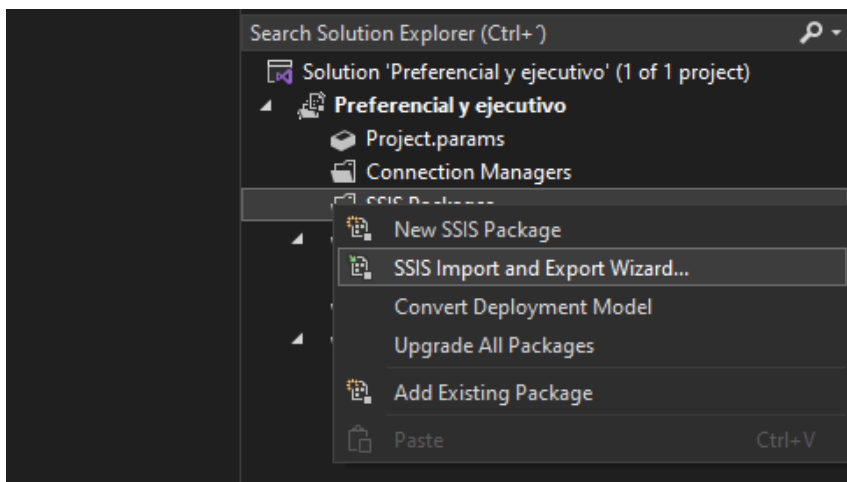
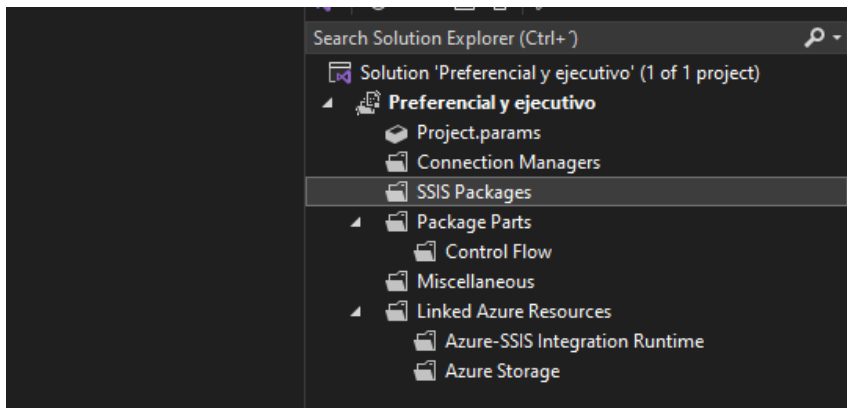
5- Click en “Crear” y el proyecto será creado, se desplegará la siguiente pantalla



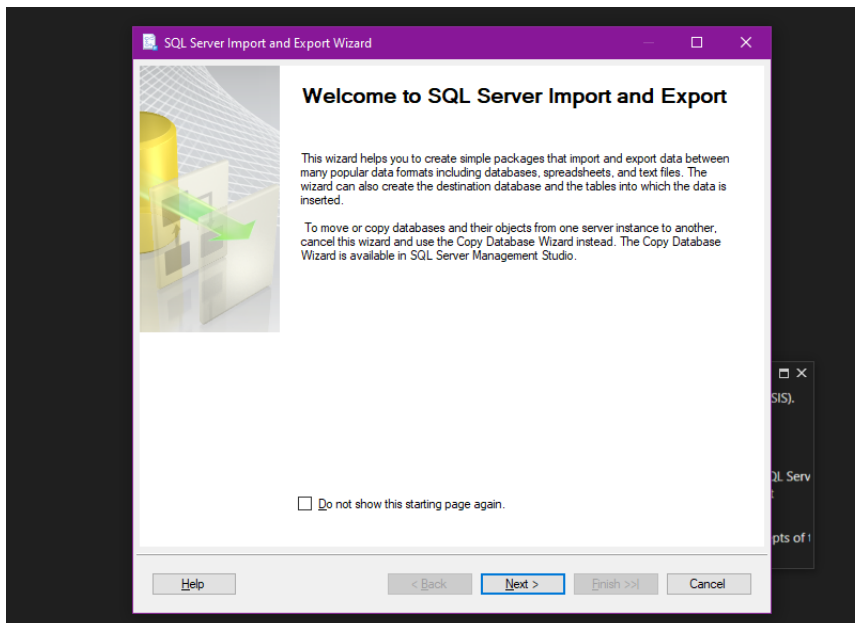
6- En Solution Explorer, borrar el archivo Package.dtsx creado por default



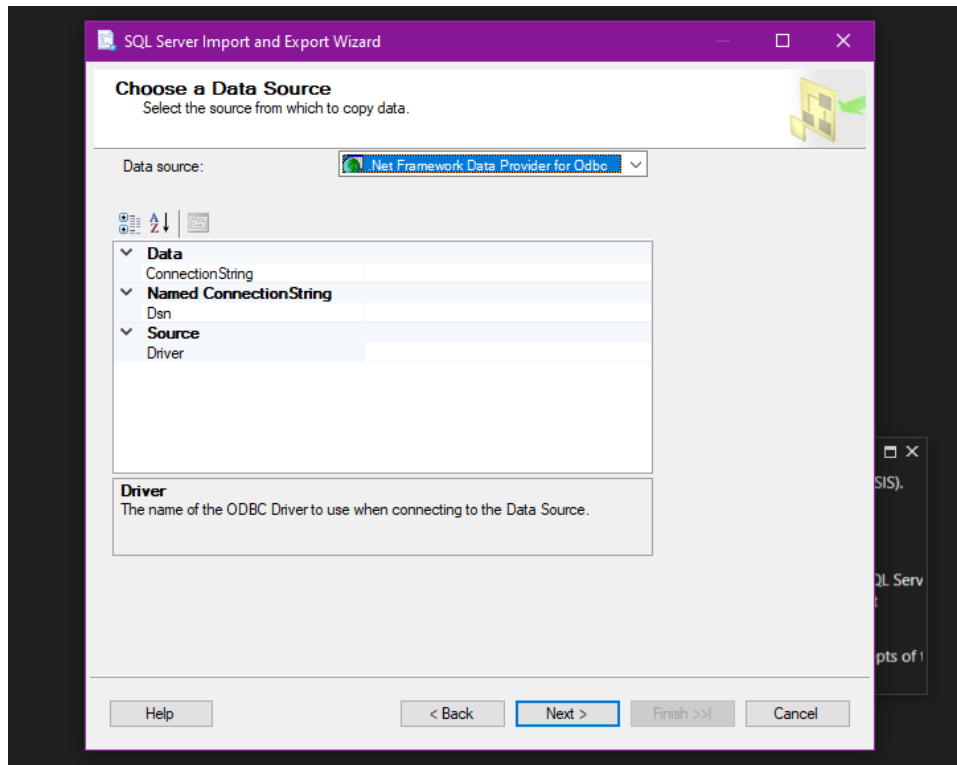
7- Dentro de SSIS Packages crear un nuevo Package; seleccionar la opción “SSIS Import and Export Wizard”



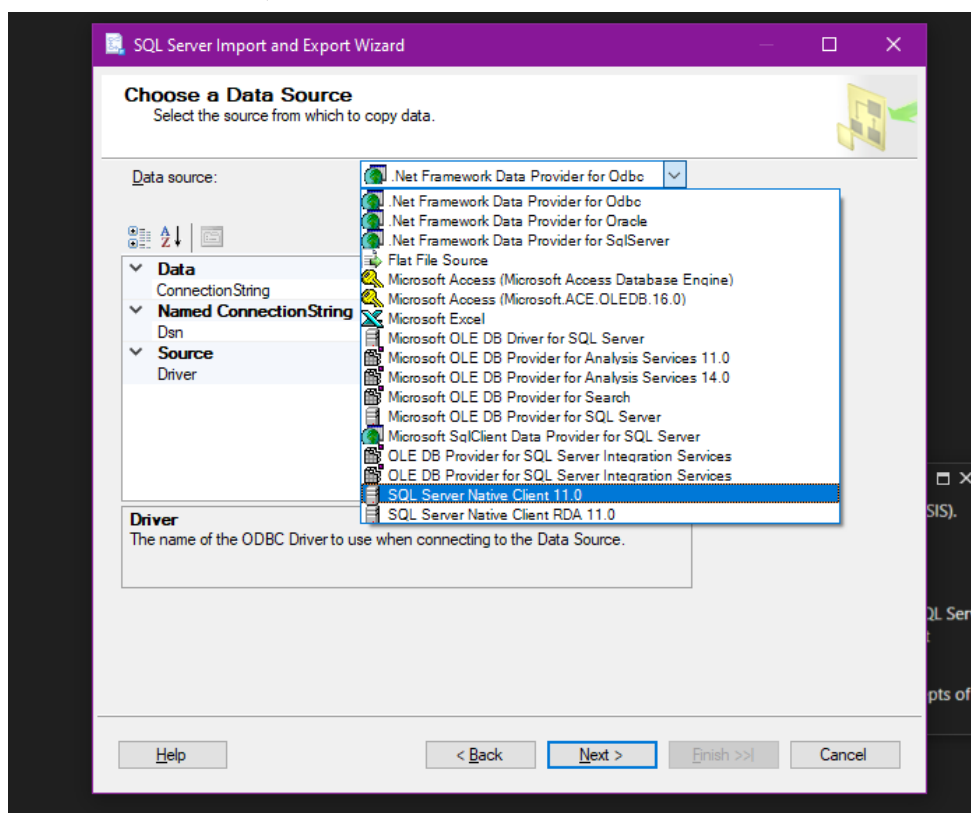
8- Se ejecutará SQL Server Import and Export Wizard



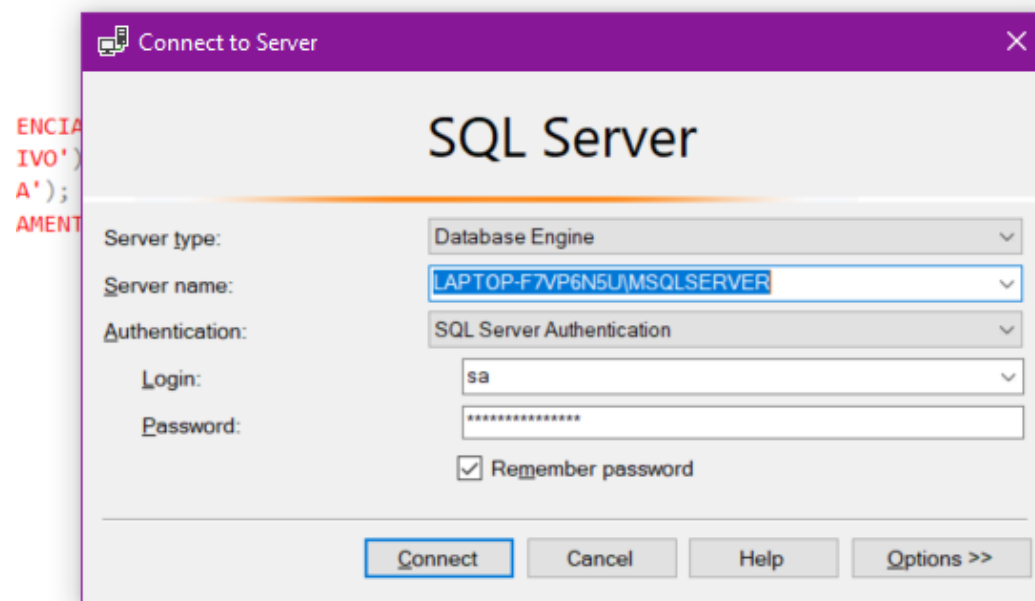
9- Click en Siguiente y seleccionar el Data Source para este Package



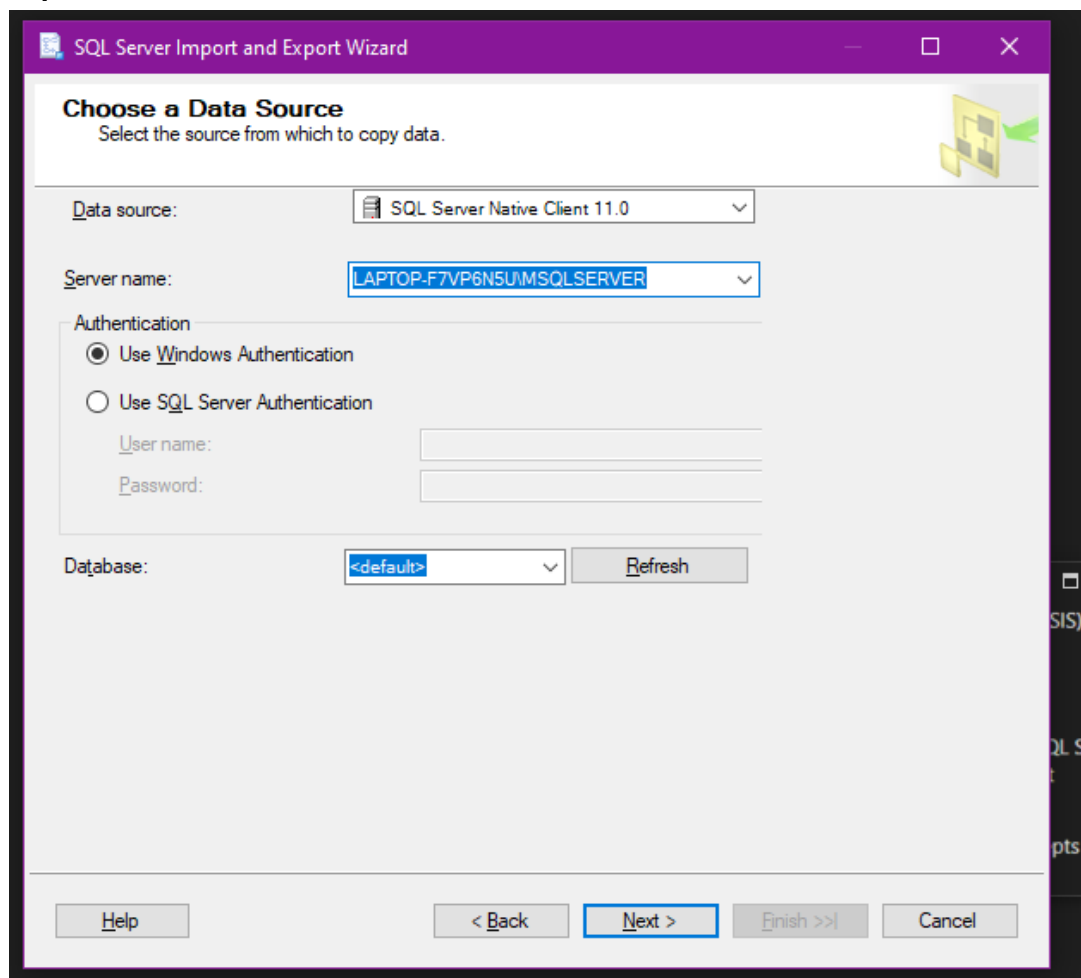
10- Seleccionar SQL Server Native Client 11.0



11- Abrir SQL Server Management Studio y copiar el nombre del server



12- Pegar el nombre del servidor en el campo de server en SQL Server Import and Export Wizard



13- Seleccionar el radio button con la opción “Use SQL Server Authentication” e ingresar credenciales

SQL Server Import and Export Wizard

Choose a Data Source
Select the source from which to copy data.

Data source: SQL Server Native Client 11.0

Server name: LAPTOP-F7VP6N5U\MSQLSERVER

Authentication

☐ Use Windows Authentication

☒ Use SQL Server Authentication

User name: sa

Password: *****

Database: <default> Refresh

Help < Back Next > Finish >> Cancel

14- Seleccionar la base de datos a usar, primero se seleccionará la base de datos de Costa Rica

SQL Server Import and Export Wizard

Choose a Data Source
Select the source from which to copy data.

Data source: SQL Server Native Client 11.0

Server name: LAPTOP-F7VP6N5U\MSQLSERVER

Authentication

☐ Use Windows Authentication

☒ Use SQL Server Authentication

User name: sa

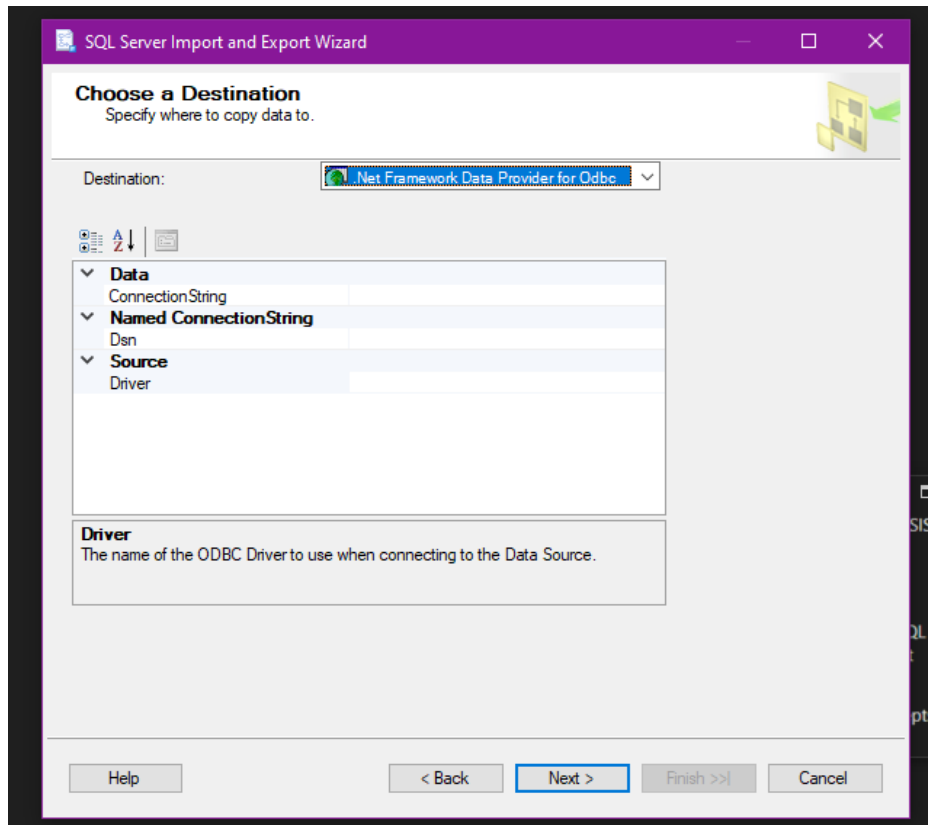
Password: *****

Database: <default> Refresh

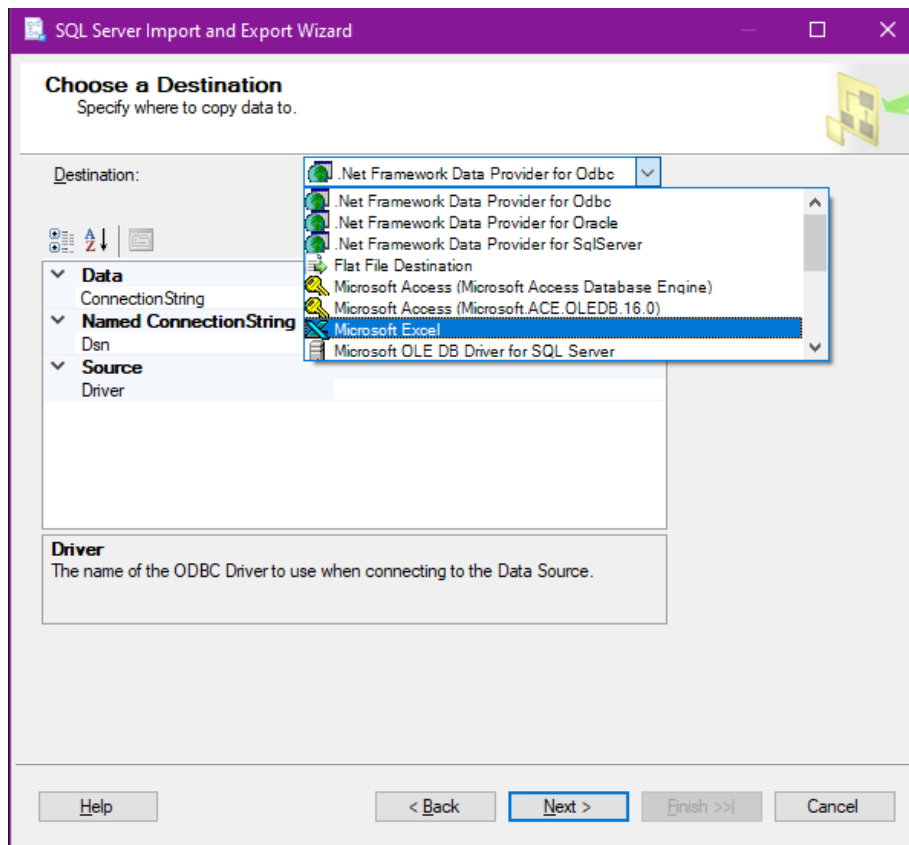
- <default>
- AdventureWorksDW2022
- db_roaming_costarica
- db_roaming_honduras
- master
- model
- msdb
- tempdb

Help < Back Next > Finish >> Cancel

15- Click en Next y seleccionar el Destino:



16- Seleccionar "Microsoft Excel"



17- Click en “Browse” y seleccionar archivo de Excel creado al inicio:

SQL Server Import and Export Wizard

Choose a Destination
Specify where to copy data to.

Destination: Microsoft Excel

Excel connection settings

Excel file path:
C:\Users\alexa\Documents\U\DM\Desafio1_DMD\Preferenci [Browse...](#)

Excel version:
Microsoft Excel 2007-2010

☒ First row has column names

Help < Back Next > Finish >> Cancel

18- Seleccionar la versión de Excel:

SQL Server Import and Export Wizard

Choose a Destination
Specify where to copy data to.

Destination: Microsoft Excel

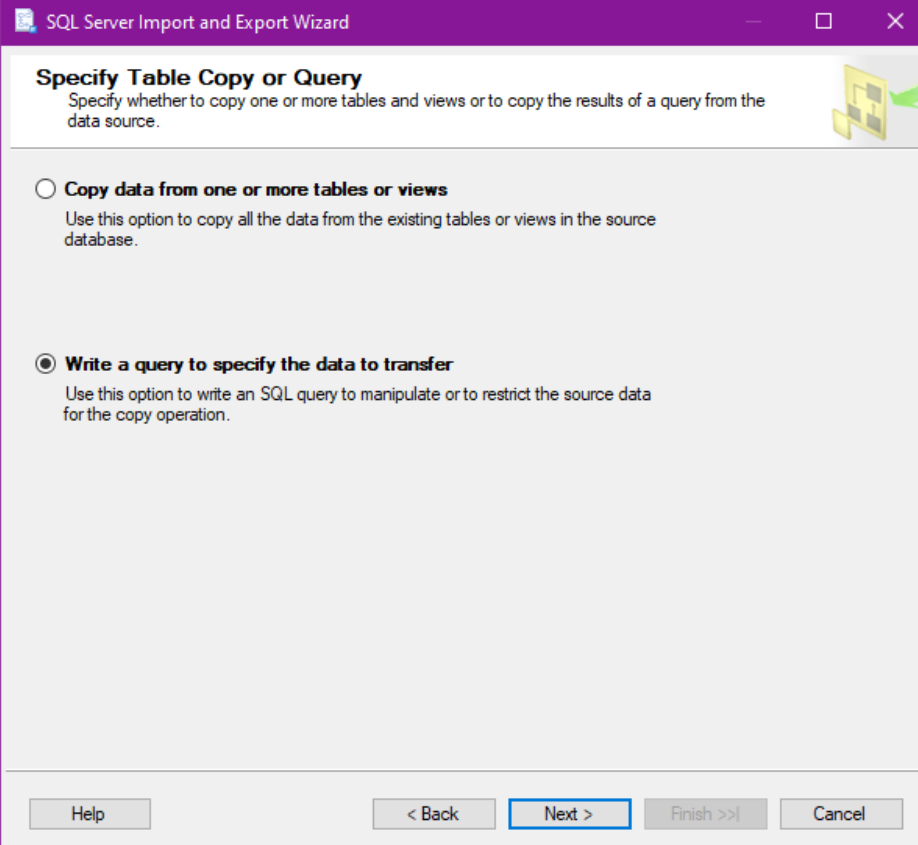
Excel connection settings

Excel file path:
C:\Users\alexa\Documents\U\DM\Desafio1_DMD\Preferenci [Browse...](#)

Excel version:
Microsoft Excel 2007-2010
Microsoft Excel 3.0
Microsoft Excel 4.0
Microsoft Excel 5.0
Microsoft Excel 97-2003
Microsoft Excel 2007-2010
Microsoft Excel 2013
Microsoft Excel 2016

Help < Back Next > Finish >> Cancel

19- Click en Siguiente y seleccionar “Write a query to specify the data to transfer”



The screenshot shows the 'Specify Table Copy or Query' step of the SQL Server Import and Export Wizard. The window title is 'SQL Server Import and Export Wizard'. The main heading is 'Specify Table Copy or Query' with a sub-instruction: 'Specify whether to copy one or more tables and views or to copy the results of a query from the data source.' There are two radio button options: 'Copy data from one or more tables or views' and 'Write a query to specify the data to transfer'. The second option is selected. At the bottom, there are buttons for 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

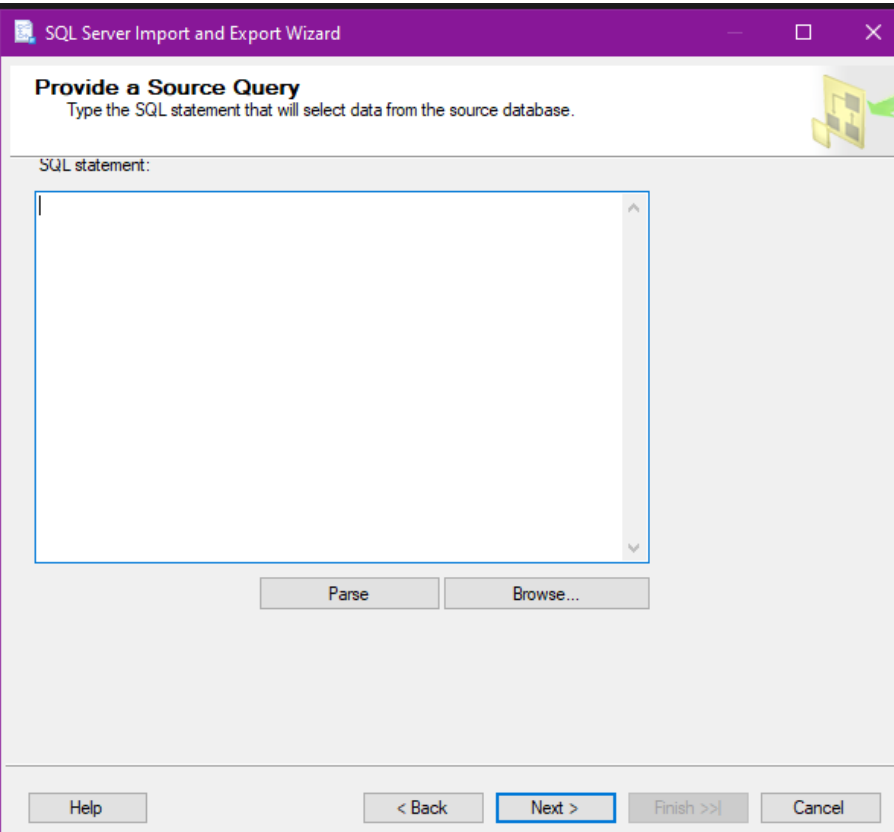
Specify Table Copy or Query
Specify whether to copy one or more tables and views or to copy the results of a query from the data source.

☐ **Copy data from one or more tables or views**
Use this option to copy all the data from the existing tables or views in the source database.

☒ **Write a query to specify the data to transfer**
Use this option to write an SQL query to manipulate or to restrict the source data for the copy operation.

Help < Back **Next >** Finish >> Cancel

20- Click en Siguiente y llenar campo de texto con la query deseada



The screenshot shows the 'Provide a Source Query' step of the SQL Server Import and Export Wizard. The window title is 'SQL Server Import and Export Wizard'. The main heading is 'Provide a Source Query' with a sub-instruction: 'Type the SQL statement that will select data from the source database.' There is a large text area labeled 'SQL statement:' for entering the query. Below the text area are 'Parse' and 'Browse...' buttons. At the bottom, there are buttons for 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

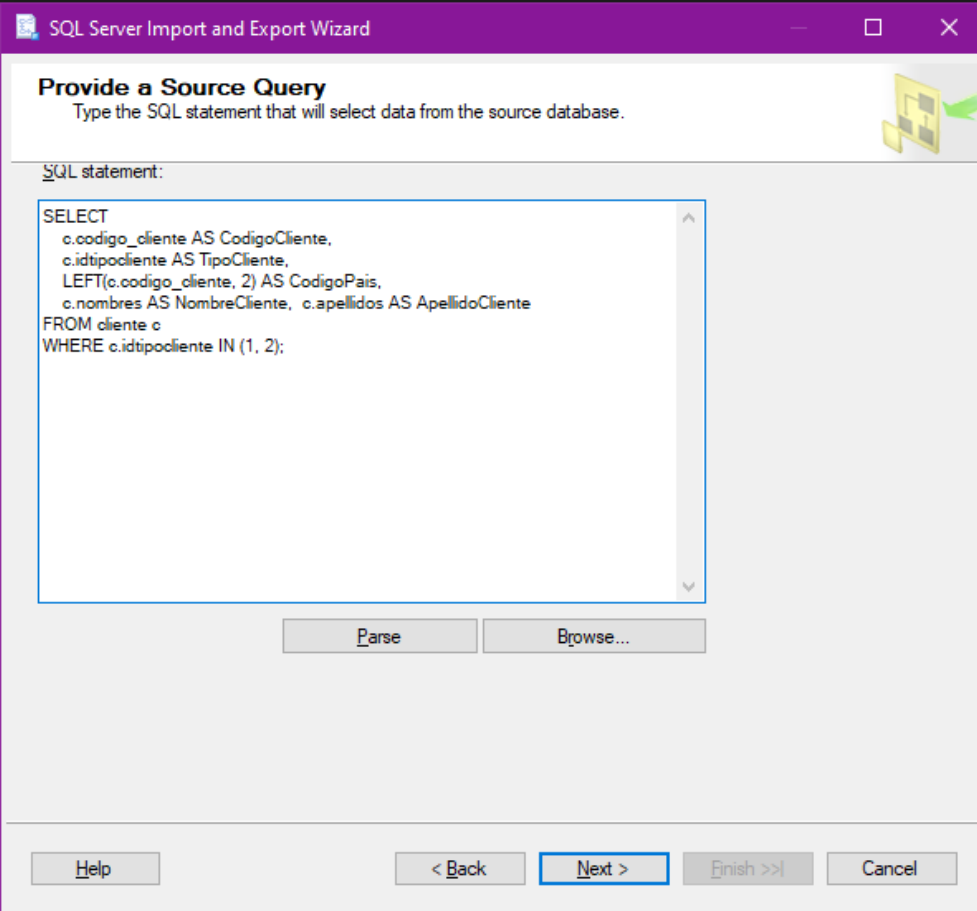
Provide a Source Query
Type the SQL statement that will select data from the source database.

SQL statement:

Parse Browse...

Help < Back **Next >** Finish >> Cancel

21- Ingresar query a enviar a Excel:



The screenshot shows the 'SQL Server Import and Export Wizard' window, specifically the 'Provide a Source Query' step. The window has a purple title bar and a light gray background. The main area contains a text box for the SQL statement. Below the text box are 'Parse' and 'Browse...' buttons. At the bottom are 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel' buttons. The 'Next >' button is highlighted with a blue border.

Provide a Source Query
Type the SQL statement that will select data from the source database.

SQL statement:

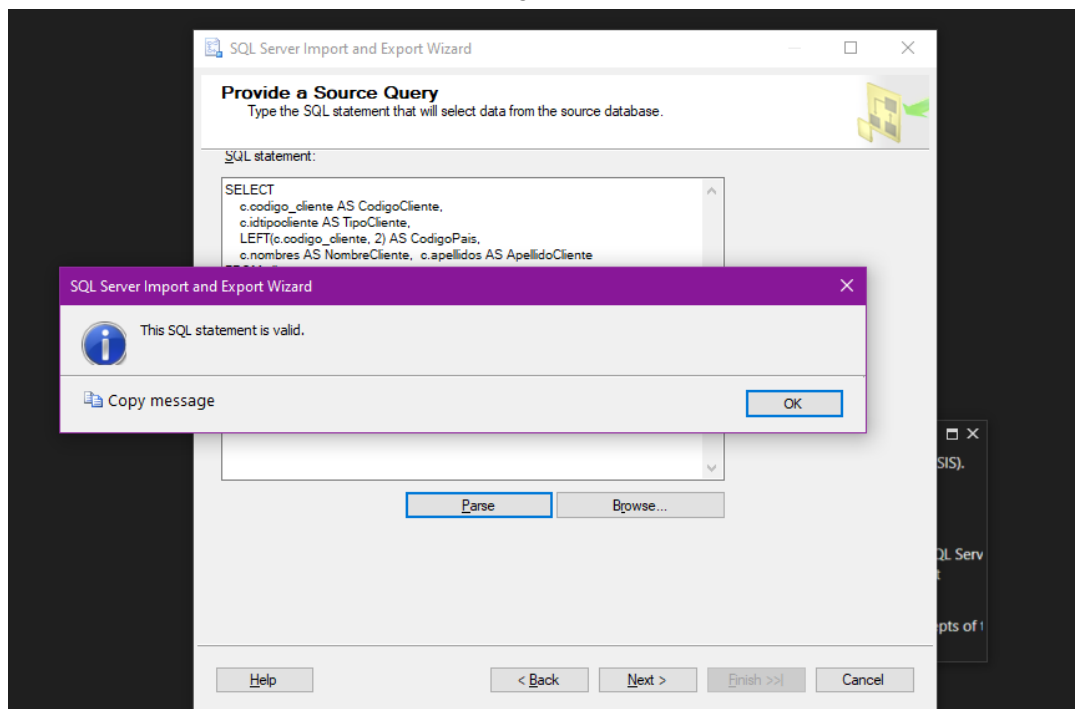
```
SELECT
c.codigo_cliente AS CodigoCliente,
c.idtipocliente AS TipoCliente,
LEFT(c.codigo_cliente, 2) AS CodigoPais,
c.nombres AS NombreCliente, c.apellidos AS ApellidoCliente
FROM cliente c
WHERE c.idtipocliente IN (1, 2);
```

Parse Browse...

Help < Back Next > Finish >> Cancel

En este caso los clientes tipo 1 y 2 son los ejecutivos y preferenciales

22- Click en Parse para verificar query en Visual Studio



23- Así mismo, crear un query en SQL Server Management Studio y verificar resultados

The screenshot shows the SQL Server Enterprise Edition interface. On the left, the 'Object Explorer' pane displays the database structure for 'LAPTOP-F7VP6N5U\MSQLSERVER (SQL S...'. The 'Databases' folder is expanded, showing 'AdventureWorksDW2022', 'db_roaming_costarica', and 'db_roaming_honduras'. The 'db_roaming_honduras' database is selected, and its 'Tables' folder is expanded, showing 'dbo.facturacion', 'dbo.tipo_clientes', and 'dbo.tipo_clientes'. The 'dbo.tipo_clientes' table is selected. The 'SQL Query Editor' pane shows a query that filters for 'TipoCliente' values of 1 and 2. The 'Results' pane displays the query output as a table with 23 rows and 4 columns: 'CodigoCliente', 'TipoCliente', 'CodigoPais', and 'ApellidoCliente'.

```
SELECT
    c.codigo_cliente AS CodigoCliente,
    c.idtipocliente AS TipoCliente,
    LEFT(c.codigo_cliente, 2) AS CodigoPais,
    c.nombres AS NombreCliente, c.apellidos AS ApellidoCliente
FROM cliente c
WHERE c.idtipocliente IN (1, 2);
```

CodigoCliente	TipoCliente	CodigoPais	ApellidoCliente
sv-sm1054	1	sv	MARITZA CAROLINA
sv-sm1421	1	sv	MARROQUIN AREVALO
sv-sm2164	1	sv	MAYORGA RAMIREZ
sv-sm5909	1	sv	RAMIREZ DEODANES
sv-sm5418	2	sv	LOPEZ GUZMAN
sv-sm5266	1	sv	MENDEZ BENITEZ
sv-sm9278	2	sv	NUÑEZ GRANADOS
sv-pa13188	1	sv	PINO MERINO
sv-bj15068	2	sv	BENITEZ PARADA
sv-cl19455	2	sv	ORTIZ MEDINA
sv-pj19881	2	sv	PINEDA NULATO
sv-pj20278	2	sv	PINEDA DIAZ
sv-sm20831	2	sv	RAMIREZ MARTINEZ
sv-sm2100	2	sv	DIAZ RODRIGUEZ
sv-sm23670	1	sv	MARTINEZ ORTIZ
sv-sm25233	2	sv	MIRANDA QUINTANILLA
sv-pj25309	2	sv	GONDALEZ
sv-sm30105	1	sv	MARROQUIN MARROQUIN
sv-sm42266	1	sv	GHIRINHELLO ROSALES
sv-pa47519	2	sv	GUZMAN SAMAYOA
sv-sm47595	2	sv	GUARDADO
sv-cl47598	2	sv	CRUZ GUZMAN
sv-sm47627	2	sv	MARROQUIN AMAYA
sv-sm47630	1	sv	GUZMAN MARTINEZ

24- Regresar a Visual Studio y click en Siguiente

The screenshot shows the 'SQL Server Import and Export Wizard' dialog box. The 'Select Source Tables and Views' step is active, with the instruction 'Choose one or more tables and views to copy.' The 'Tables and views:' list shows 'Source:' and 'Destination: C:\Users\ale...'. The 'Query' table is selected. The 'Edit Mappings...' and 'Preview...' buttons are visible. The 'Next >' button is highlighted.

SQL Server Import and Export Wizard

Select Source Tables and Views
Choose one or more tables and views to copy.

Tables and views:

Source:	Destination: C:\Users\ale...
[Query]	'Query'

Edit Mappings... Preview...

Help < Back Next > Finish >> Cancel

25- Click en Siguiente

SQL Server Import and Export Wizard

Review Data Type Mapping
Select a table to review how its data types map to those in the destination and how it handles conversion issues.

Table:

Source	Destination
[Query]	'Query'

Data type mapping:

Source Column	Source Type	Destination Col...	Destination Type	Convert	On Error	Or
CodigoCliente	varchar	CodigoCliente	LongText	<input checked="" type="checkbox"/>	Use Global	U
TipoCliente	int	TipoCliente	Long	<input checked="" type="checkbox"/>	Use Global	U
CodigoPais	varchar	CodigoPais	LongText	<input checked="" type="checkbox"/>	Use Global	U
NombreCliente	varchar	NombreCliente	LongText	<input checked="" type="checkbox"/>	Use Global	U
ApellidoCliente	varchar	ApellidoCliente	LongText	<input checked="" type="checkbox"/>	Use Global	U

To view conversion details, double-click the row that contains the column source type to be converted.

On Error (global):

On Truncation (global):

Buttons: Help, < Back, Next >, Finish >>, Cancel

26- Click en Siguiente y luego click en Finish

SQL Server Import and Export Wizard

Complete the Wizard
Verify the choices made in the wizard and click Finish.

Click Finish to perform the following actions:

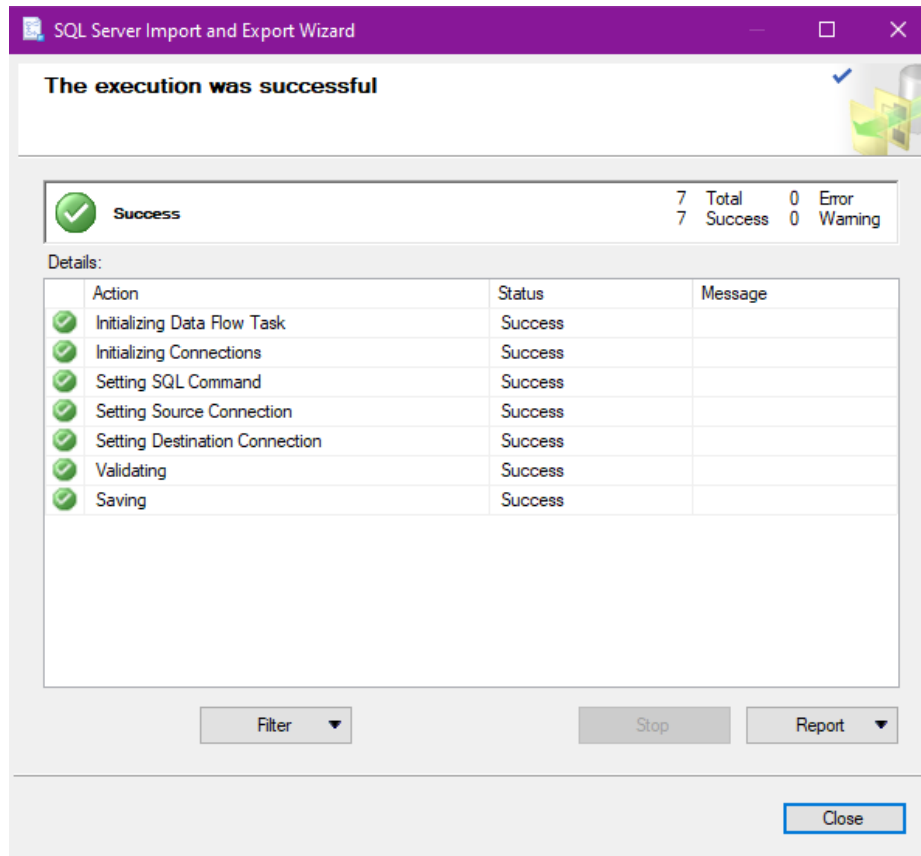
Source Location : LAPTOP-F7V6N5U1\MSSQLSERVER
Source Provider : SQLNCLI11
Destination Location : C:\Users\alexal\Documents\U\DMO\Desafio1_DMD\Preferencial y Ejecutivo.xlsx
Destination Provider : MicrosoftACE.OLEDB.12.0

- Copy rows from [Query] to 'Query'.
The new target table will be created.
- The package will be saved to the package file "C:\Users\alexal\Documents\U\DMO\Desafio1\Preferencial y Ejecutivo\Preferencial y Ejecutivo Package1.dtsx".
- The package will not be run immediately.

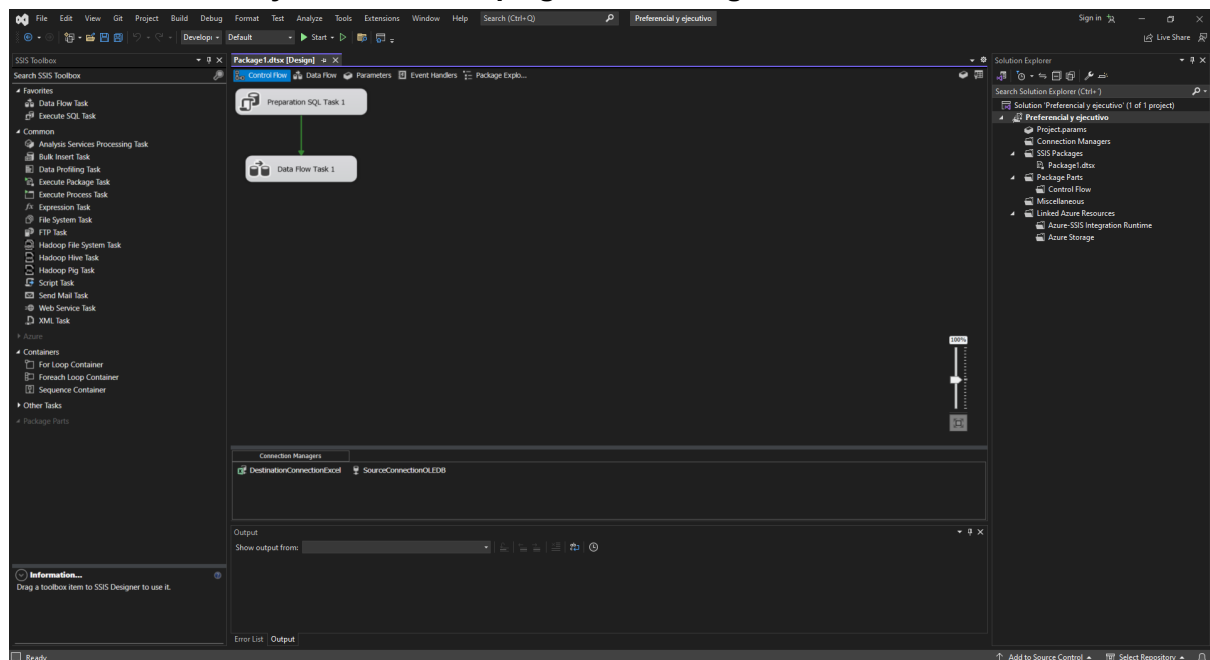
Provider mapping file : C:\Program Files\Microsoft Visual Studio\2022\Community\Common7\IDE\CommonExtensions\Microsoft\SSIS\160\MappingFiles\MSSqlToJes4.XML

Buttons: Help, < Back, Next >, Finish, Cancel

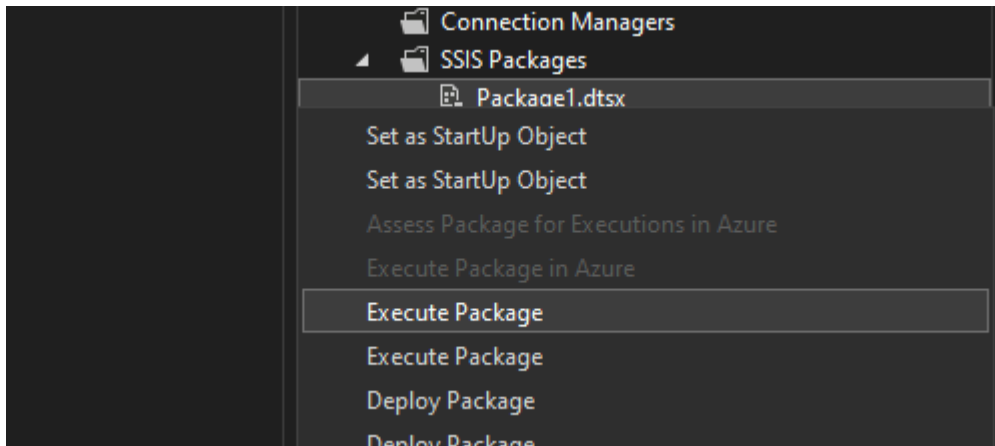
27- Al finalizar, se creará todo el package



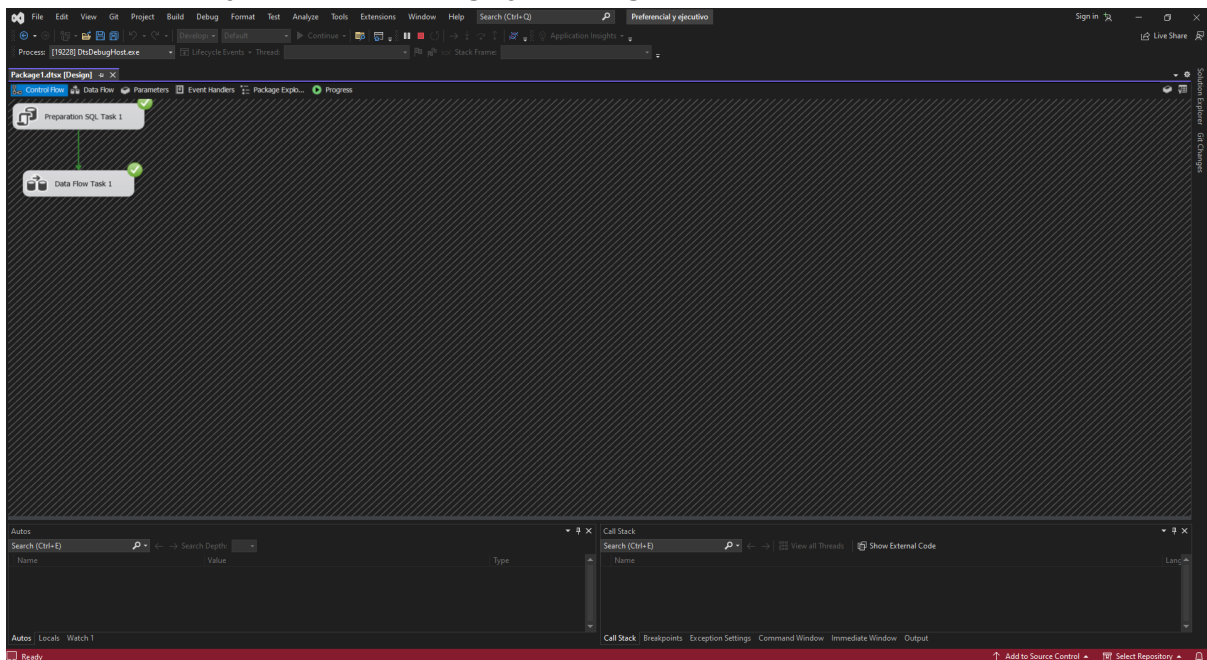
28- Cerrar ventana y el sistema desplegará el Package



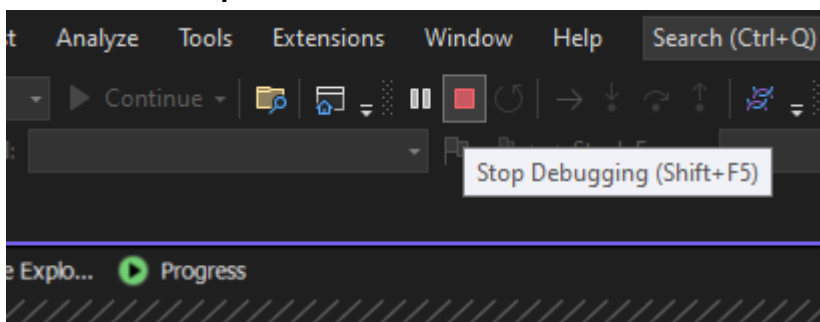
29- En Solution Explorer, click derecho sobre Package y seleccionar Ejecutar Package



30- El sistema ejecutará el package y desplegará el proceso hasta ser exitoso



31- Click en Stop



32- Abrir el archivo Excel creado al inicio y seleccionar la hoja “Query” para asegurar que los archivos se hayan ejecutado exitosamente

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	CodigoClien	TipoClien	CodigoPai	NombreCil	ApellidoCiente													
2	sv-sm1054	1	sv	MARITZA C	SALAZAR DE SERMEÑO													
3	sv-mn142	1	sv	NESTOR M	MARROQUIN AREVALO													
4	sv-mg216	1	sv	GABRIEL A	MAYORGA RAMIREZ													
5	sv-rr5909	1	sv	ROBERTO	RAMIREZ DEODANES													
6	sv-lc6418	2	sv	CESAR MA	LOPEZ GUZMAN													
7	sv-ma826	1	sv	ALICIA ORI	MENDEZ BENITEZ													
8	sv-nm927	2	sv	MANUEL V	NUÑEZ GRANADOS													
9	sv-pa1318	1	sv	ANGEL VIC	PINO MERINO													
10	sv-bj1586	2	sv	JOSE ATILI	BENITEZ PARADA													
11	sv-ol1945	2	sv	LUIS WALI	ORTIZ MEDINA													
12	sv-pj1986	2	sv	JOSE MAU	PINEDA MULATO													
13	sv-pr2027	2	sv	RAUL ALBI	PINEDA DIAZ													
14	sv-rm2083	2	sv	MAURICIC	RAMIREZ MARTINEZ													
15	sv-df2210	2	sv	FRANCISCI	DIAZ RODRIGUEZ													
16	sv-mh236	1	sv	HECTOR A	MARTINEZ ORTIZ													
17	sv-mj2523	2	sv	JORGE ALE	MIRANDA QUINTANILLA													
18	sv-ge2530	2	sv	EDWIN JO	GONZALEZ													
19	sv-mj3010	1	sv	JAIME RAL	MARROQUIN MARROQUIN													
20	sv-gc4226	1	sv	CARLOS RI	GHIRINGHELLO ROSALES													
21	sv-gs4751	2	sv	SARA LORI	GUZMAN SAMAYOA													
22	sv-gm4755	2	sv	MARIO	GUARDADO													
23	sv-cr4759	2	sv	ROSA MAF	CRUZ GUZMAN													
24	sv-me4762	2	sv	EVELYN DI	MARROQUIN AMAYA													
25	sv-sr4763	1	sv	RAUL	SANCHEZ MARTINEZ													
26	sv-fr4766	3	sv	ROBERTO	FONG HERNANDEZ													
27	sv-cj4766	5	sv	JUAN JUVI	CASTILLO MEZQUITA													
28	sv-lr4767	3	sv	RICARDO I	LARA CACERES													
29	sv-rj4767	2	sv	JACOBO	RAMOS PEREZ													
30	sv-pg4767	2	sv	GUILLERM	POCASANGRE HUEZO													
31	sv-rj4767	9	sv	JUAN DAV	REYES SALAZAR													
32	sv-om476	1	sv	MARGARIT	OLIVARES RUIZ													
33	sv-cb4768	2	sv	BLANCA M	CRUZ AMAYA													
34	sv-ud4769	1	sv	DOLORES I	UMANZOR DE RIVERA													
35	sv-mm476	1	sv	MANUEL A	MEJIA													
36	sv-qa4769	1	sv	ANA DORA	QUINTANILLA DE ZULETA													
37	sv-ch4771	2	sv	HECTOR M	CHACON ARGUETA													
38	sv-ms4771	2	sv	SAMUEL G	MEDRANO RODRIGUEZ													
39	sv-he4771	2	sv	ERICK STEI	HERNANDEZ DURAN													
40																		
41																		

33- Regresar a Visual Studio y repetir los pasos del 7 al 32 para crear el Package correspondiente a la base de datos de Honduras

SQL Server Import and Export Wizard

Choose a Data Source
Select the source from which to copy data.

Data source: SQL Server Native Client 11.0

Server name: LAPTOP-F7VP6N5U\MSQLSERVER

Authentication

☐ Use Windows Authentication

☒ Use SQL Server Authentication

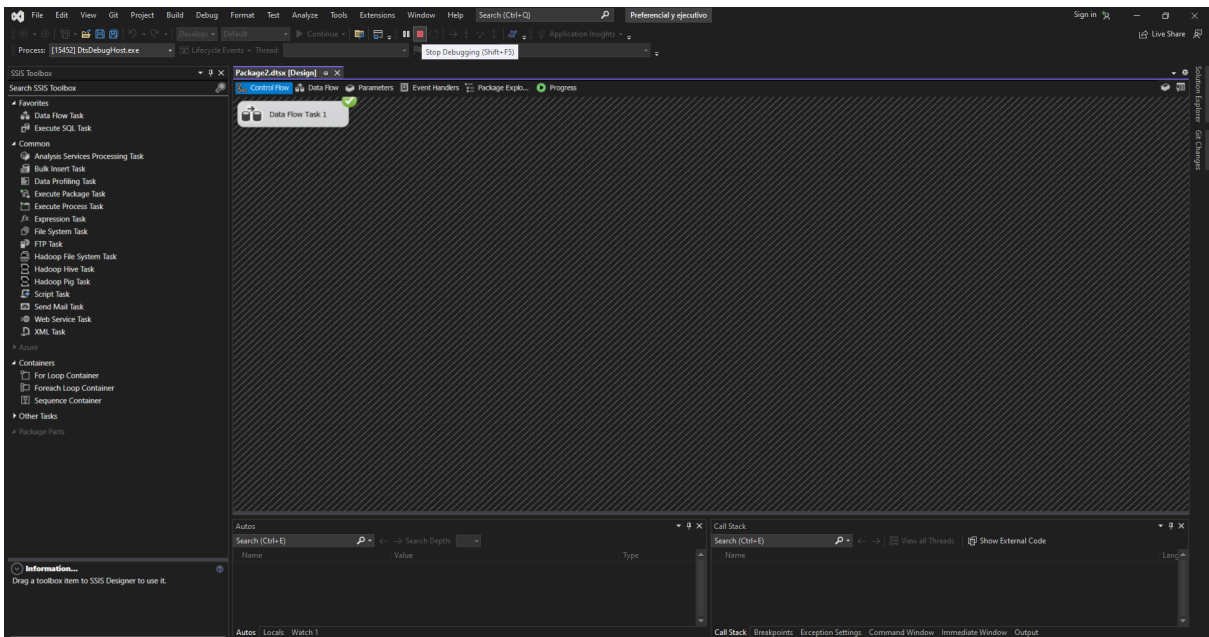
User name: sa

Password: *****

Database: db_roaming_honduras

Help < Back Next > Finish >> Cancel

34- Package ha sido creado para la base de datos de Honduras, pero en este caso no veremos el SQL Preparation pues se completó e integró en el ejemplo de Costa Rica, entonces este Package nos muestra que el Data Flow ya fue integrado exitosamente a Excel con los datos deseados.



35- Revisar que archivo Destino de Excel contenga los valores agregados

The image shows an Excel spreadsheet with a list of names and IDs. The spreadsheet has columns A through AC. The data is organized in rows, with each row containing an ID, a name, and a status (e.g., 'sv'). The status column is highlighted in green. The spreadsheet is titled 'CodigoCliente' and the status column is labeled 'Query'.

36- Ahora ya tenemos la tabla de clientes filtrados por tipo preferencial y ejecutivo

	A	B	C	D	E	F
1	CodigoCliente	TipoCliente	CodigoPais	NombreCliente	ApellidoCliente	
2	sv-sm1054	1	sv	MARITZA CAROLINA	SALAZAR DE SERMEÑO	
3	sv-mn1421	1	sv	NESTOR MARIO	MARROQUIN AREVALO	
4	sv-mg2164	1	sv	GABRIEL ANTONIO	MAYORGA RAMIREZ	
5	sv-rr5909	1	sv	ROBERTO	RAMIREZ DEODANES	
6	sv-lc6418	2	sv	CESAR MAURICIO	LOPEZ GUZMAN	
7	sv-ma8266	1	sv	ALICIA ORBELINA	MENDEZ BENITEZ	
8	sv-nm9278	2	sv	MANUEL VICENTE	NUÑEZ GRANADOS	
9	sv-pa13188	1	sv	ANGEL VICTOR	PINO MERINO	
10	sv-bj15868	2	sv	JOSE ATILIO	BENITEZ PARADA	
11	sv-ol19455	2	sv	LUIS WALTER	ORTIZ MEDINA	
12	sv-pj19861	2	sv	JOSE MAURICIO	PINEDA MULATO	
13	sv-pr20278	2	sv	RAUL ALBERTO	PINEDA DIAZ	
14	sv-rm20831	2	sv	MAURICIO ERNESTO	RAMIREZ MARTINEZ	
15	sv-df21100	2	sv	FRANCISCO ENRIQUE	DIAZ RODRIGUEZ	
16	sv-mh23670	1	sv	HECTOR ANTONIO	MARTINEZ ORTIZ	
17	sv-mj25233	2	sv	JORGE ALBERTO	MIRANDA QUINTANILLA	
18	sv-ge25309	2	sv	EDWIN JOVANY	GONZALEZ	
19	sv-mj30105	1	sv	JAIME RAUL	MARROQUIN MARROQUIN	
20	sv-gc42266	1	sv	CARLOS RICARDO	GHIRINGHELLO ROSALES	
21	sv-gs47519	2	sv	SARA LORENA	GUZMAN SAMAYOA	
22	sv-gm47595	2	sv	MARIO	GUARDADO	
23	sv-cr47598	2	sv	ROSA MARGARITA	CRUZ GUZMAN	
24	sv-me47627	2	sv	EVELYN DE LOS ANGELES	MARROQUIN AMAYA	
25	sv-sr47630	1	sv	RAUL	SANCHEZ MARTINEZ	
26	sv-fr47663	1	sv	ROBERTO ENRIQUE	FONG HERNANDEZ	
27	sv-cj47665	1	sv	JUAN JUVENCIO	CASTILLO MEZQUITA	
28	sv-lr47673	1	sv	RICARDO ERNESTO	LARA CACERES	
29	sv-rj47676	2	sv	JACOBO	RAMOS PEREZ	
30	sv-pg47677	2	sv	GUILLERMO	POCASANGRE HUEZO	
31	sv-rj47679	2	sv	JUAN DAVID	REYES SALAZAR	
32	sv-om47682	1	sv	MARGARITA DE LA PAZ	OLIVARES RUIZ	
33	sv-cb47683	2	sv	BLANCA MARIBEL	CRUZ AMAYA	
34	sv-ud47691	1	sv	DOLORES SUYAPA	UMANZOR DE RIVERA	
35	sv-mm47693	1	sv	MANUEL ANTONIO	MEJIA	
36	sv-qa47695	1	sv	ANA DORA ALICIA	QUINTANILLA DE ZULETA	
37	sv-ch47710	2	sv	HECTOR MANUEL	CHACON ARGUETA	
38	sv-ms47711	2	sv	SAMUEL GERARDO	MEDRANO RODRIGUEZ	
39	sv-he47712	2	sv	ERICK STEFFAN	HERNANDEZ DURAN	
40	sv-sm1054	1	sv	MARITZA CAROLINA	SALAZAR DE SERMEÑO	
41	sv-mn1421	1	sv	NESTOR MARIO	MARROQUIN AREVALO	
42	sv-mg2164	1	sv	GABRIEL ANTONIO	MAYORGA RAMIREZ	
43	sv-rr5909	1	sv	ROBERTO	RAMIREZ DEODANES	
44	sv-lc6418	2	sv	CESAR MAURICIO	LOPEZ GUZMAN	
45	sv-ma8266	1	sv	ALICIA ORBELINA	MENDEZ BENITEZ	
46	sv-nm9278	2	sv	MANUEL VICENTE	NUÑEZ GRANADOS	
47	sv-pa13188	1	sv	ANGEL VICTOR	PINO MERINO	
48	sv-bj15868	2	sv	JOSE ATILIO	BENITEZ PARADA	
49	sv-ol19455	2	sv	LUIS WALTER	ORTIZ MEDINA	
50	sv-pj19861	2	sv	JOSE MAURICIO	PINEDA MULATO	
51	sv-pr20278	2	sv	RAUL ALBERTO	PINEDA DIAZ	
52	sv-rm20831	2	sv	MAURICIO ERNESTO	RAMIREZ MARTINEZ	
53	sv-df21100	2	sv	FRANCISCO ENRIQUE	DIAZ RODRIGUEZ	
54	sv-mh23670	1	sv	HECTOR ANTONIO	MARTINEZ ORTIZ	
55	sv-mj25233	2	sv	JORGE ALBERTO	MIRANDA QUINTANILLA	
56	sv-ge25309	2	sv	EDWIN JOVANY	GONZALEZ	
57	sv-mj30105	1	sv	JAIME RAUL	MARROQUIN MARROQUIN	
58	sv-gc42266	1	sv	CARLOS RICARDO	GHIRINGHELLO ROSALES	
59	sv-gs47519	2	sv	SARA LORENA	GUZMAN SAMAYOA	
60	sv-gm47595	2	sv	MARIO	GUARDADO	
61	sv-cr47598	2	sv	ROSA MARGARITA	CRUZ GUZMAN	
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63	sv-sr47630	1	sv	RAUL	SANCHEZ MARTINEZ	
64	sv-fr47663	1	sv	ROBERTO ENRIQUE	FONG HERNANDEZ	
65	sv-cj47665	1	sv	JUAN JUVENCIO	CASTILLO MEZQUITA	
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67	sv-rj47676	2	sv	JACOBO	RAMOS PEREZ	
68	sv-pg47677	2	sv	GUILLERMO	POCASANGRE HUEZO	
69	sv-rj47679	2	sv	JUAN DAVID	REYES SALAZAR	
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72	sv-ud47691	1	sv	DOLORES SUYAPA	UMANZOR DE RIVERA	
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74	sv-qa47695	1	sv	ANA DORA ALICIA	QUINTANILLA DE ZULETA	
75	sv-ch47710	2	sv	HECTOR MANUEL	CHACON ARGUETA	
76	sv-ms47711	2	sv	SAMUEL GERARDO	MEDRANO RODRIGUEZ	
77	sv-he47712	2	sv	ERICK STEFFAN	HERNANDEZ DURAN	

Resultado final de archivo de Excel: [Preferencial y ejecutivos](#)