

JOBSHEET 6

ETL LOGIC WITH SSDT



Arranged By:

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

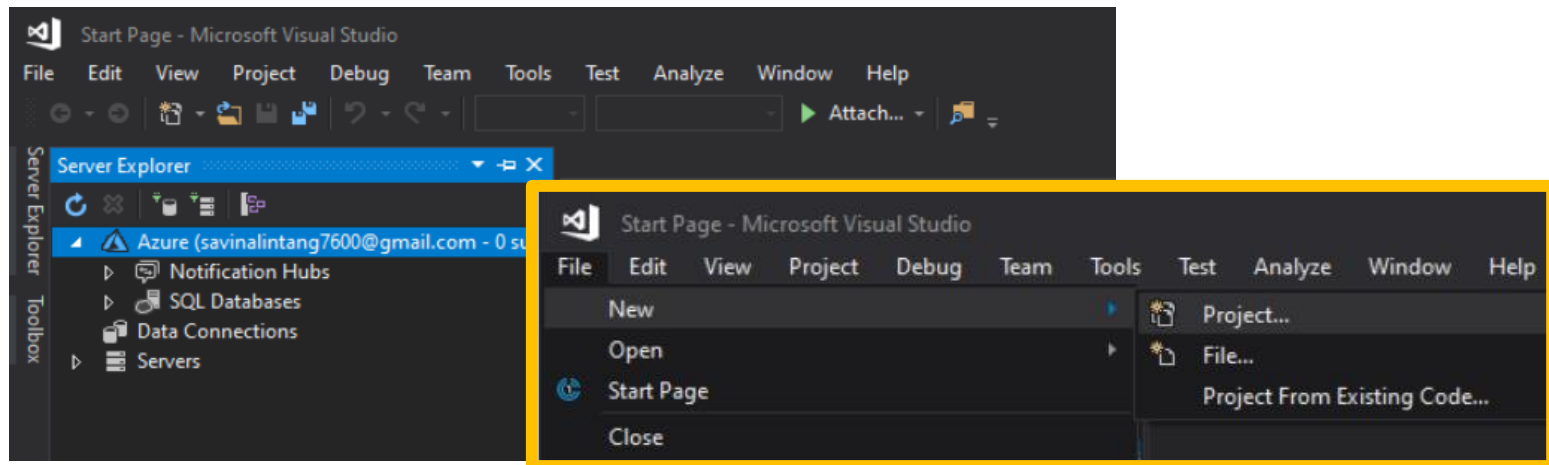
POLITEKNIK NEGERI MALANG



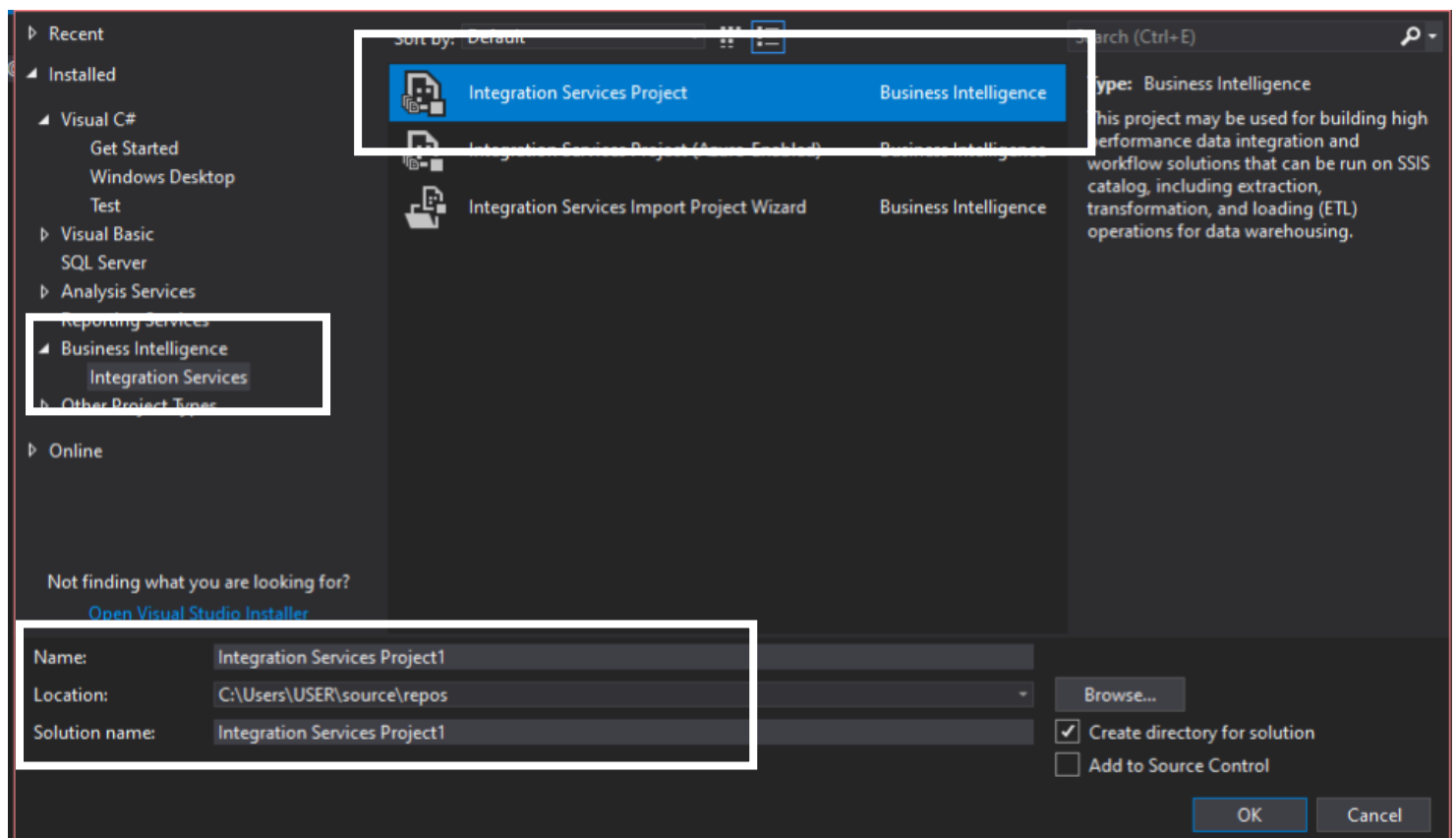
PRACTICUM 1

(Running SSIS Package With MS SSDT)

1. Open Visual Studio SSDT then -> **Create New Create New Project**

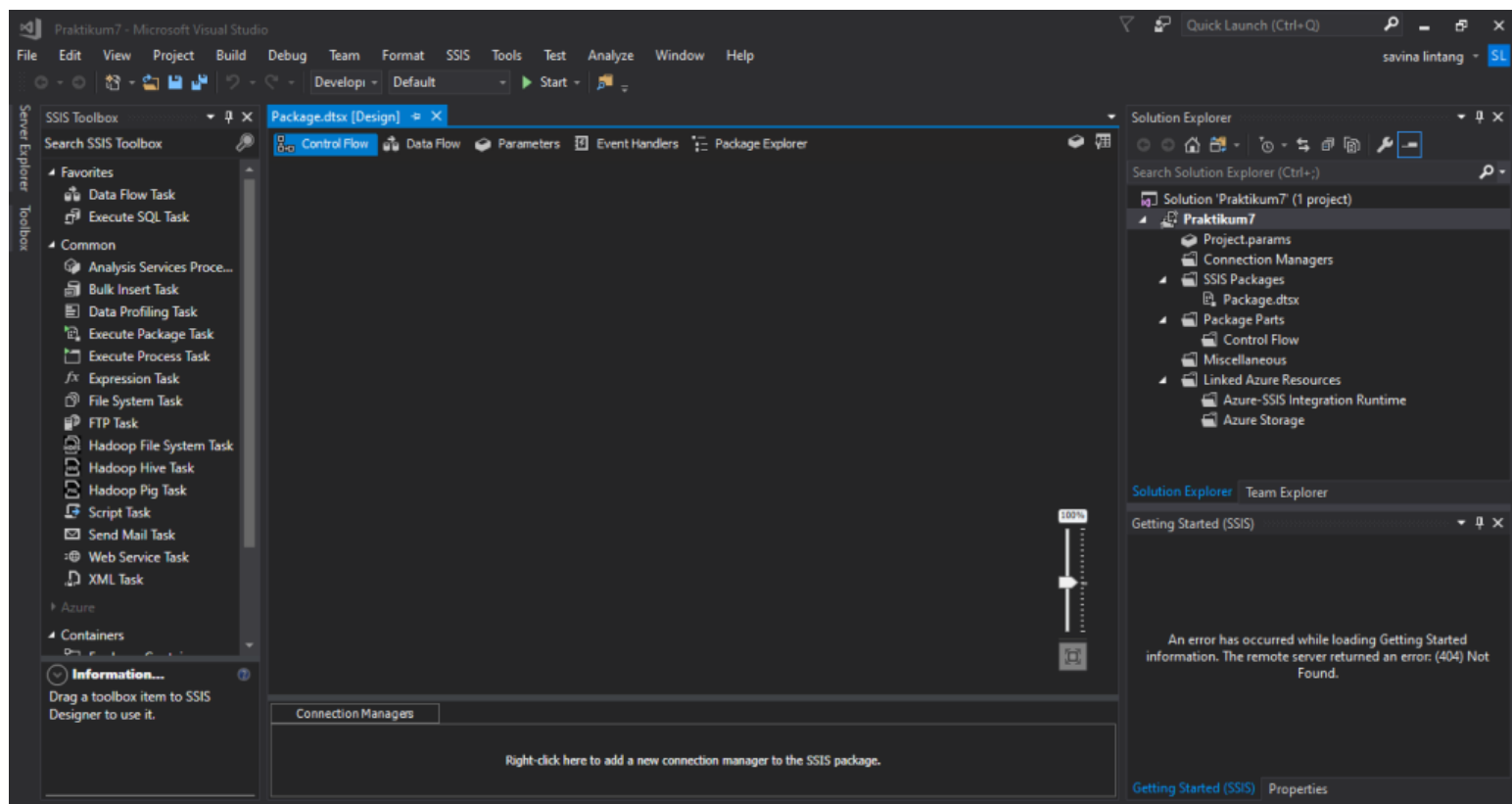


2. Select Business Intelligence -> Integration Services -> Integration Services Project

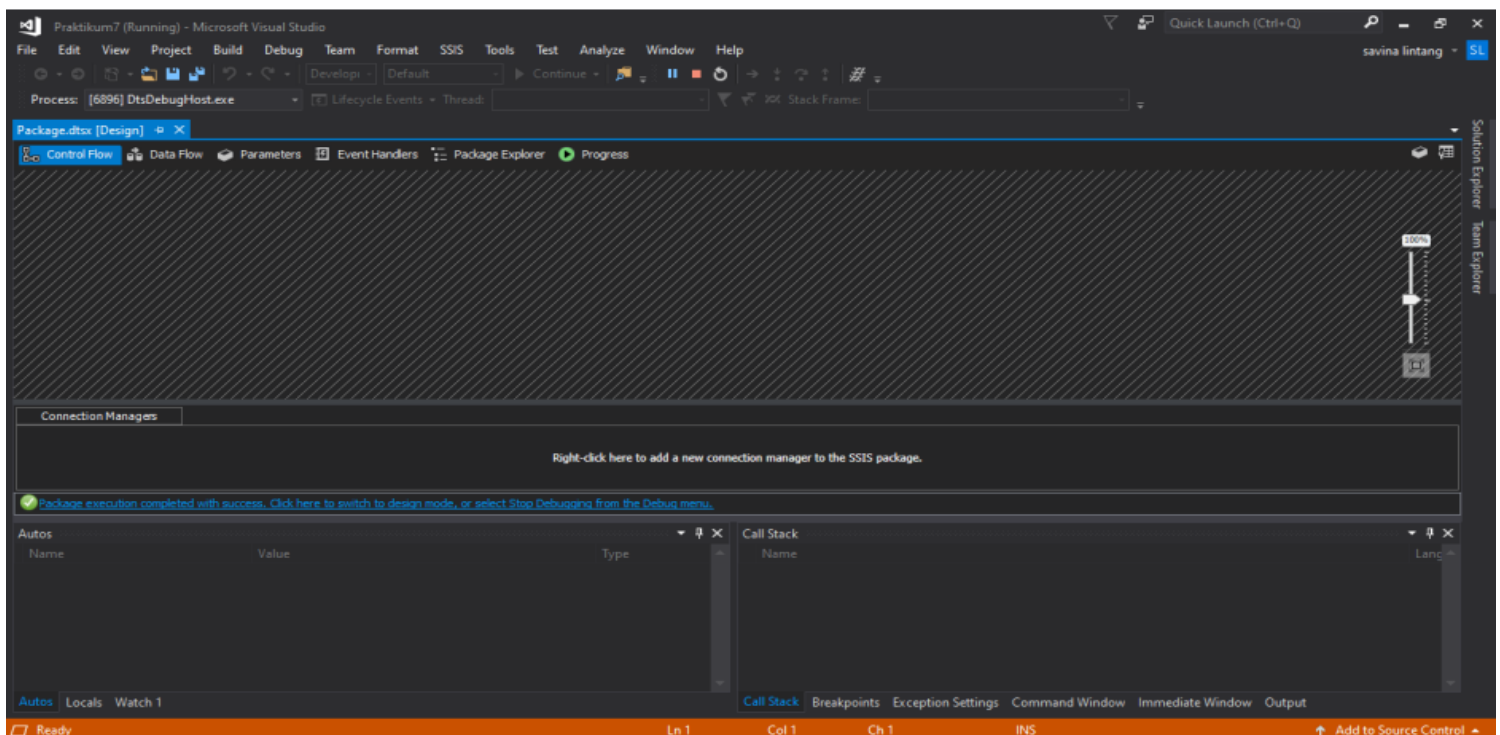




3. The Window Will Appear Like This

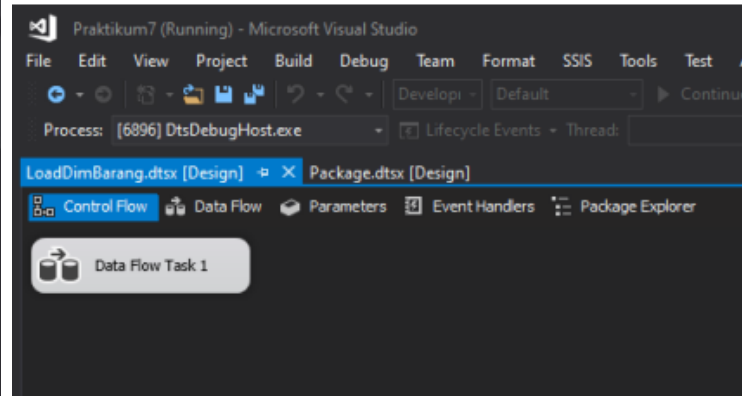
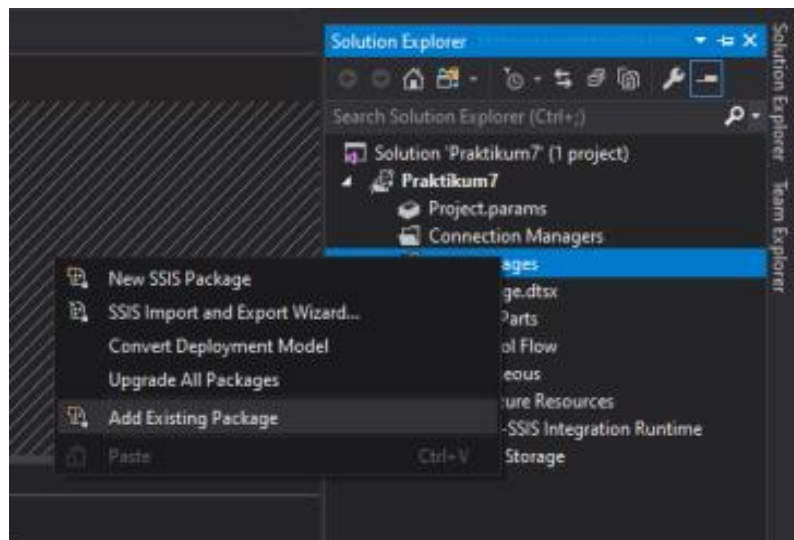


4. Test Running Package.dtsx

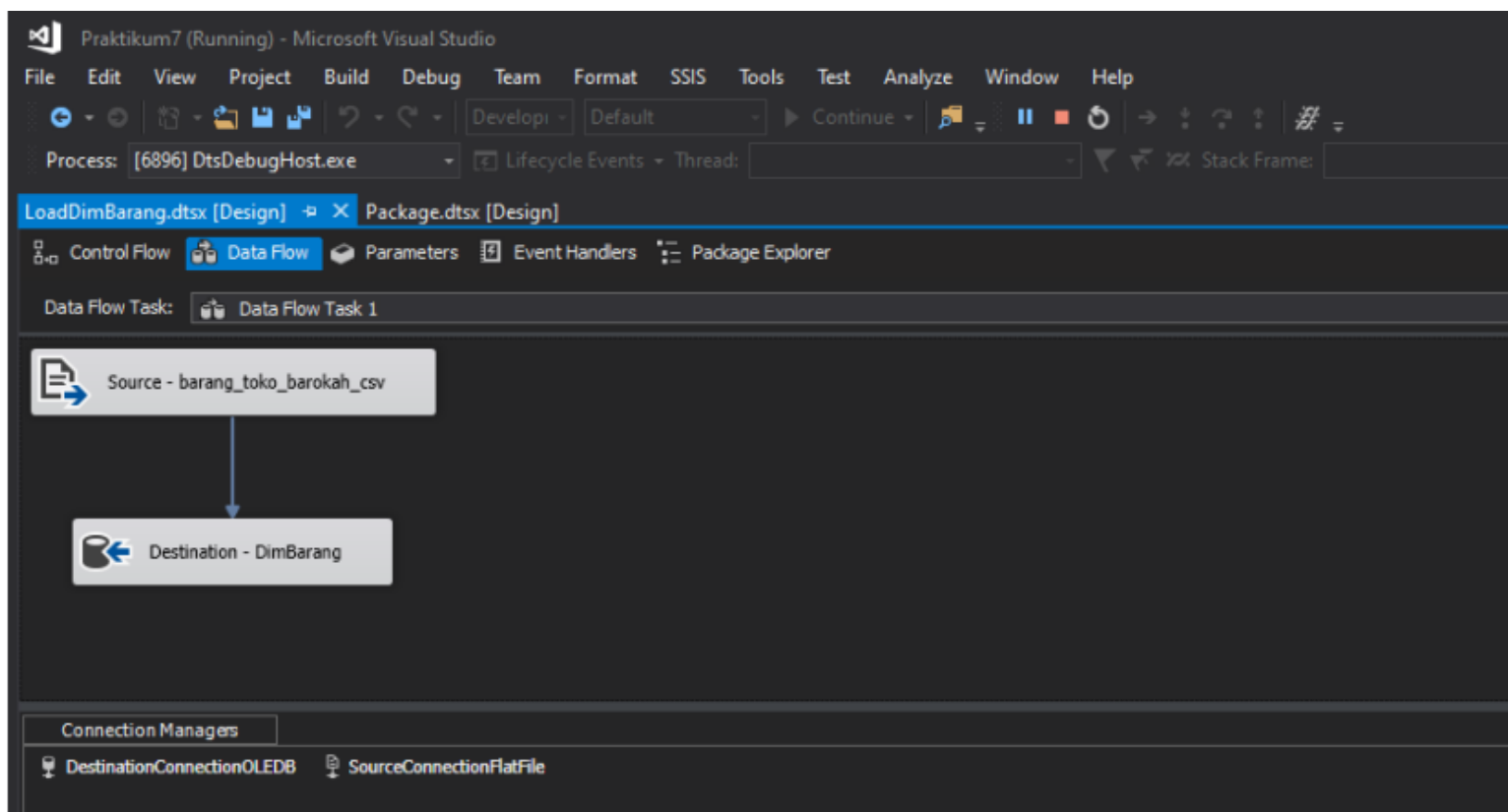




5. Right Click SSIS Package -> Add Existing Package

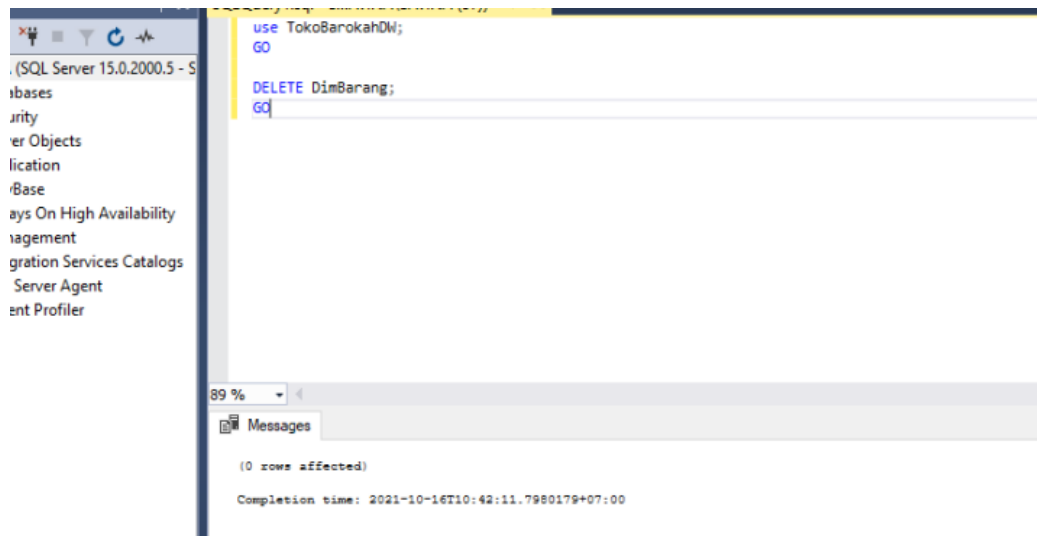


6. Double Click On Data Flow

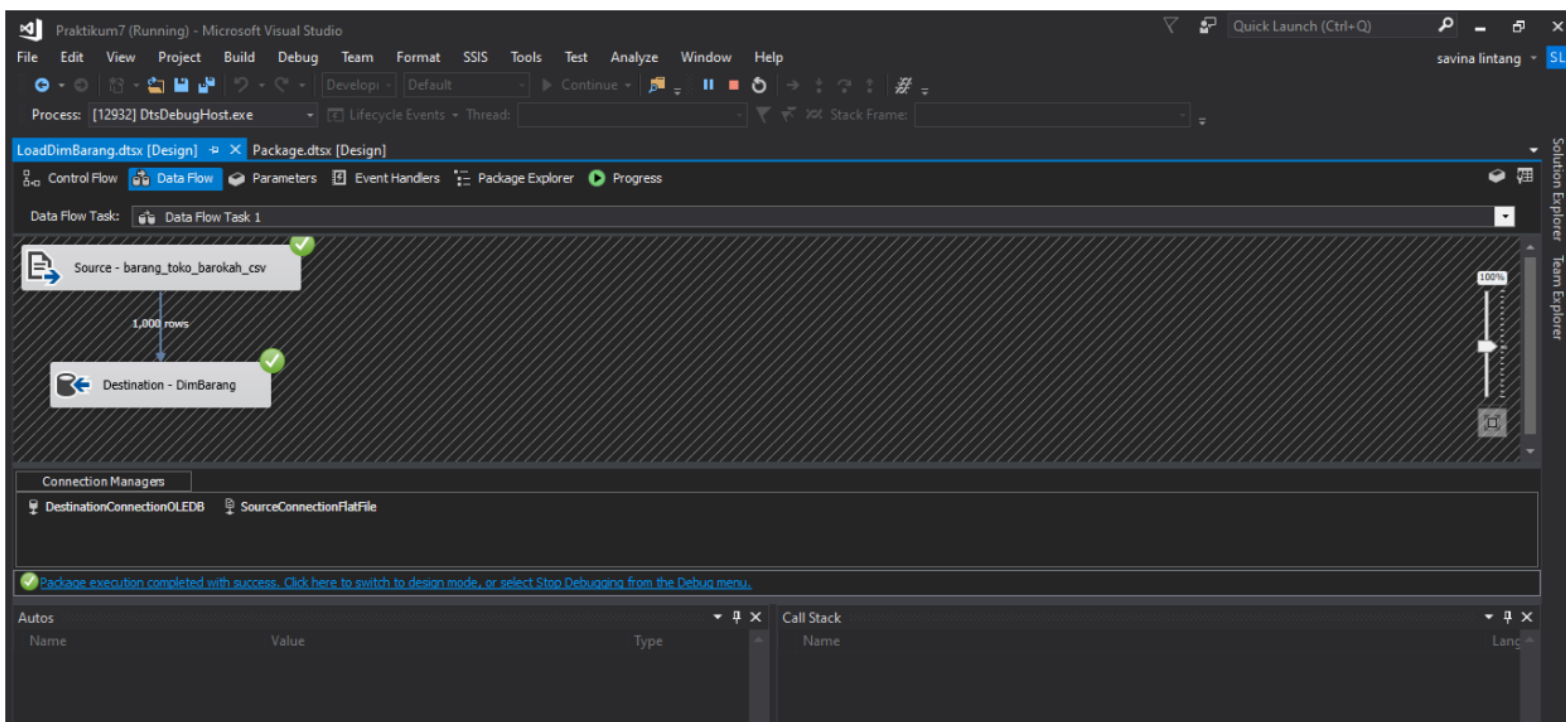




7. Empty DimBarang in SQL SERVER



8. Test Running The Package





9. Re-Check DimBarang in SQL SERVER

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the server hierarchy for 'TokoBarokahDW'. The right pane shows a query window with the following SQL code:

```
USE TokoBarokahDW;  
GO  
  
SELECT * FROM DimBarang;  
GO
```

Below the query window, the 'Results' pane displays the output of the query. The data is presented in a table with the following columns: Id, AltKey, Nama, Harga, Satuan, and Barcode. The table contains 11 rows of data.

	Id	AltKey	Nama	Harga	Satuan	Barcode
1	1002	1000	MR SABUN MUTIARA 85 GR	13406.25	PCS	8995151110291
2	1003	1003	SOKLIN SMART WHITE 800	17250.00	DOS	8998866605809
3	1004	1004	NIVEA FAC SCRUB 100 GR	14113.75	PCS	8999777811242
4	1005	1005	NIVEA GENTLE FAC.WASH 100	15682.50	PCS	8999777811112
5	1006	1006	NIVEA GENTLE FCL SCRUB 40	6118.75	PCS	8999777811495
6	1007	101	DELFI BRIKO VAN 125 GR	6270.00	PCS	8991001780218
7	1008	102	SELAMAT WFR CHOCO 198	6270.00	PCS	8991001780492
8	1009	1026	NUVO REFF KUNING/GOLD 250	7115.00	PCS	8998866602990
9	1010	1027	NUVO REFF HIJAU 250	7187.50	PCS	8998866602983
10	1011	1028	NUVO FAMILY MERAH 80G	1281.25	PCS	8998866602556
11	1012	1029	NUVO FAMILY BIRU 80GR	1393.75	PCS	8998866602549

At the bottom of the interface, a status bar indicates: 'Query executed successfully.'



ASSIGNMENT

1. Export data from the dbo.Karyawan table in the TokoBarokah database into a CSV file. You can use the T-SQL syntax or the Export/Import Wizard.

NB : here I will not explain how to export , etc . because the tutorial and explanation is in the previous jobsheet

The execution was successful

Success 12 Total 0 Error
12 Success 0 Warning

Details:

Action	Status	Message
Initializing Data Flow Task	Success	
Initializing Connections	Success	
Setting SQL Command	Success	
Setting Source Connection	Success	
Setting Destination Connection	Success	
Validating	Success	
Saving	Success	
Prepare for Execute	Success	
Pre-execute	Success	
Executing	Success	
Copying to D:\Collage\3F\BI\Toko-Barokah-Sample...	Success	12 rows transferred
Post-execute	Success	

Filter Stop Report Close



2. Create an SSIS package to import the CSV file data in question number 1 into the DimKaryawan table in the TokoBarokahDW database!

Operation stopped...
Click the Back button to change the settings.

Error 12 Total 1 Error
7 Success 0 Warning

Details:

Action	Status	Message
✓ Initializing Data Flow Task	Success	
✓ Initializing Connections	Success	
✓ Setting SQL Command	Success	
✓ Setting Source Connection	Success	
✓ Setting Destination Connection	Success	
✗ Validating	Error	Messages...
✓ Saving	Success	
✗ Prepare for Execute	Stopped	
✗ Pre-execute	Stopped	
✓ Executing	Success	
✗ Copying to [dbo].[DimKaryawan]	Stopped	
✗ Post-execute	Stopped	

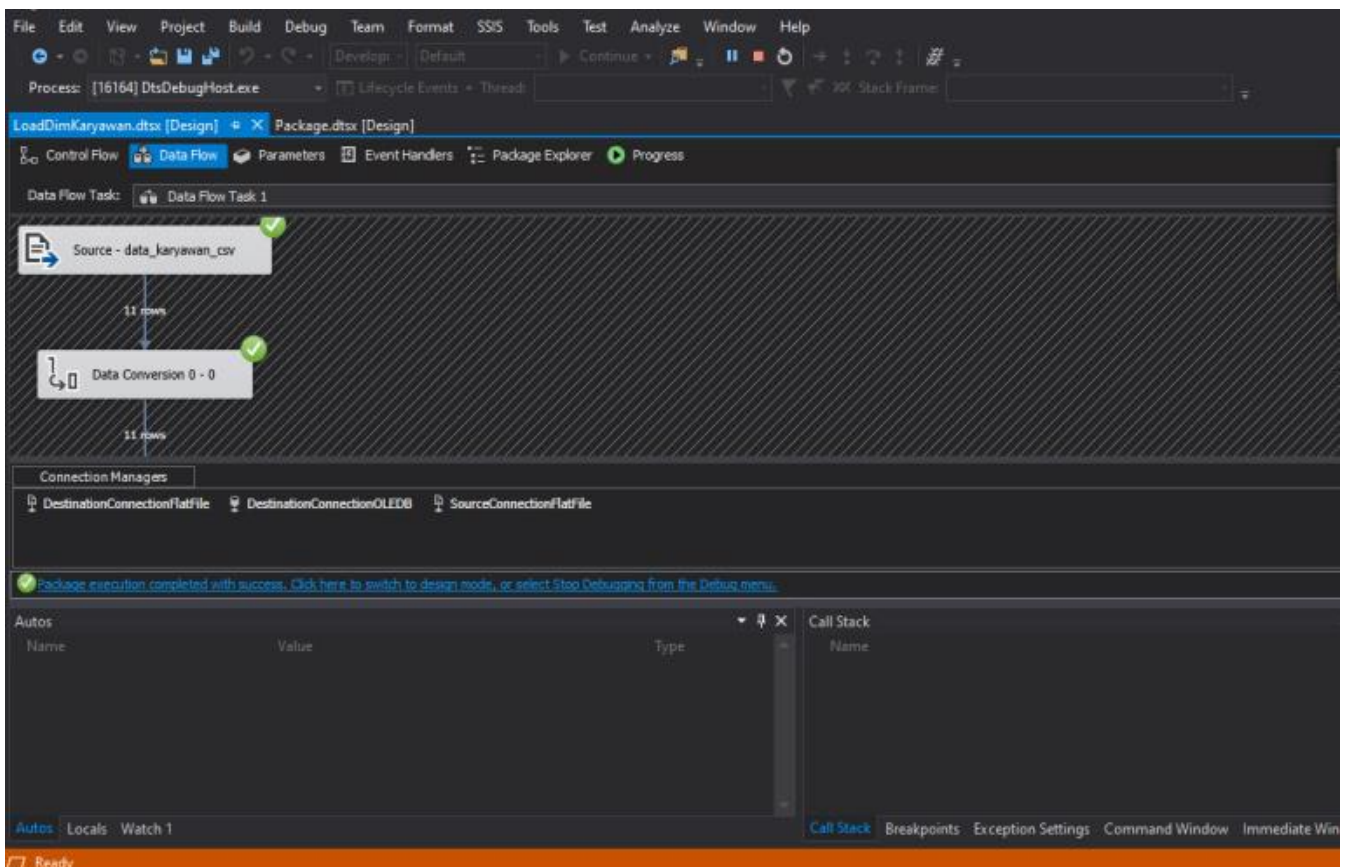
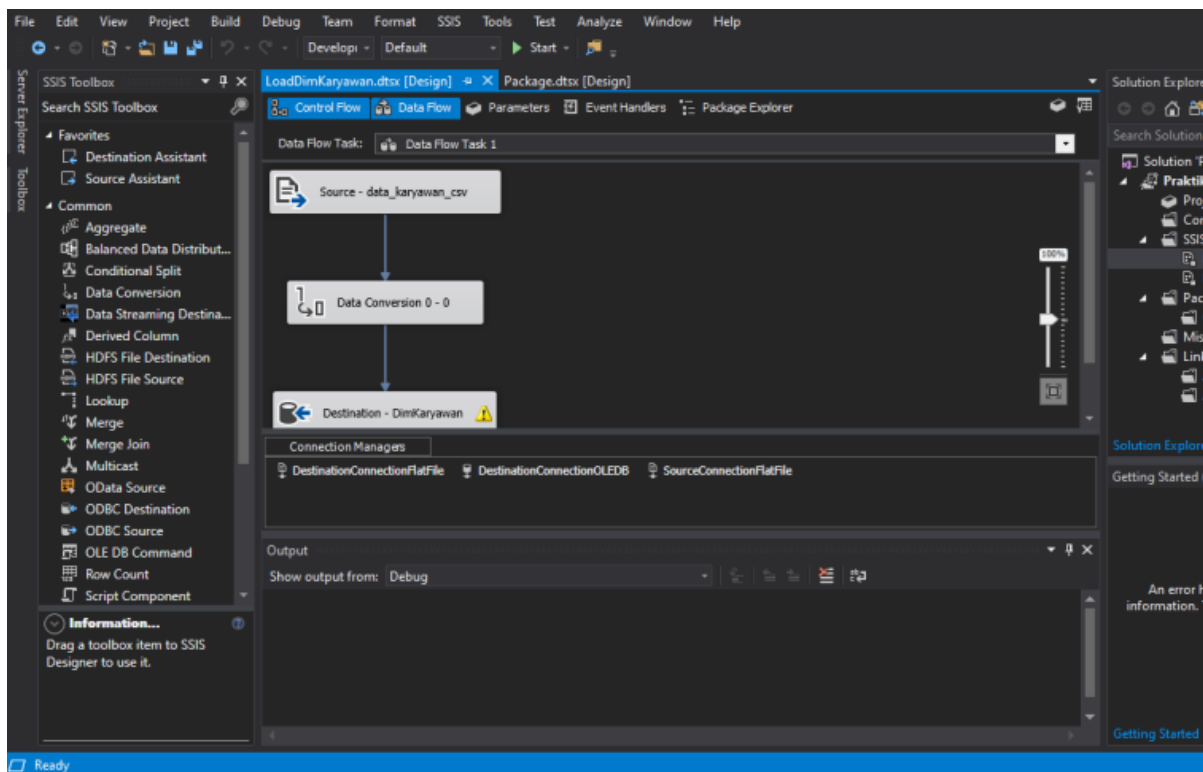
Stop Report

< Back Close

Query executed successfully.



3. Execute the package in question number 2 on SSDT and show the results of the execution





4. See Data In SQL SERVER

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Server Enterprise Explorer' tree is visible, with 'TokoBarokahDW' selected. The central pane displays a SQL query: `use TokoBarokahDW; GO SELECT * FROM DimKaryawan; GO`. The 'Results' tab is active, showing a table with 11 rows of data. The columns are 'Id', 'AltKey', 'Alamat', 'JenisKelamin', and 'TanggalLahir'. A status bar at the bottom indicates 'Query executed successfully.'

	Id	AltKey	Alamat	JenisKelamin	TanggalLahir
1	1002	2001	Malang	L	1984-01-30
2	1003	2002	Malang	L	1989-06-12
3	1004	2003	Malang	P	1990-02-24
4	1005	2004	Kepanjen	P	1990-01-30
5	1006	2005	Malang	L	1978-05-13
6	1007	2006	Malang	L	1980-10-10
7	1008	2007	Pasuruan	L	1989-12-14
8	1009	2008	Malang	P	1986-07-08
9	1010	2009	Pasuruan	L	1984-05-02
10	1011	2010	Malang	P	1988-01-31
11	1012	2011	Malang	L	1973-04-19