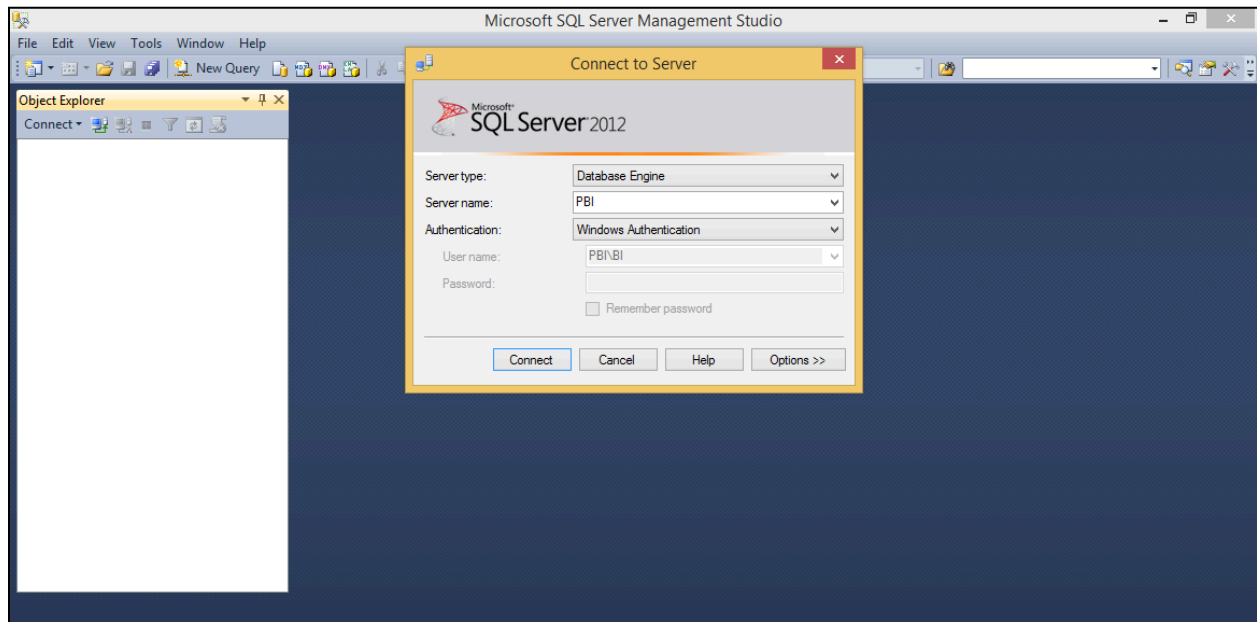


**b. Perform the Extraction Transformation and Loading (ETL) process to construct the database in the SQL Server.**

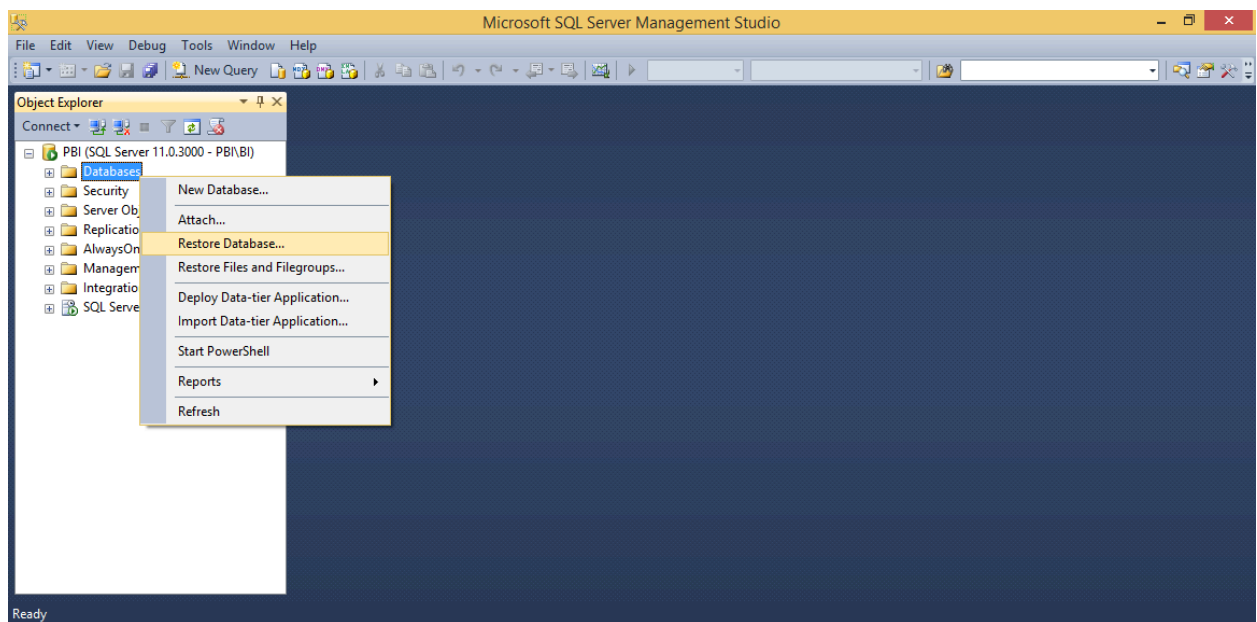
**Software requirements: SQL Server 2012 Full Version.**

**Steps to perform the practical:**

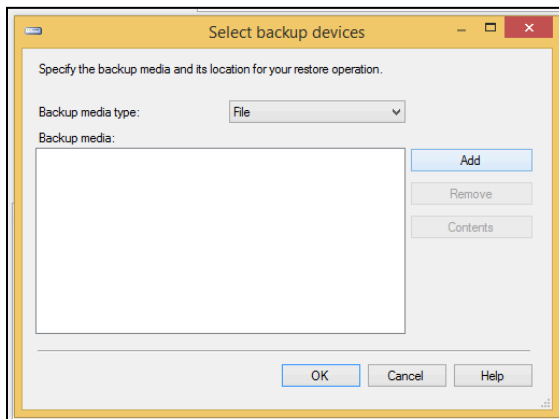
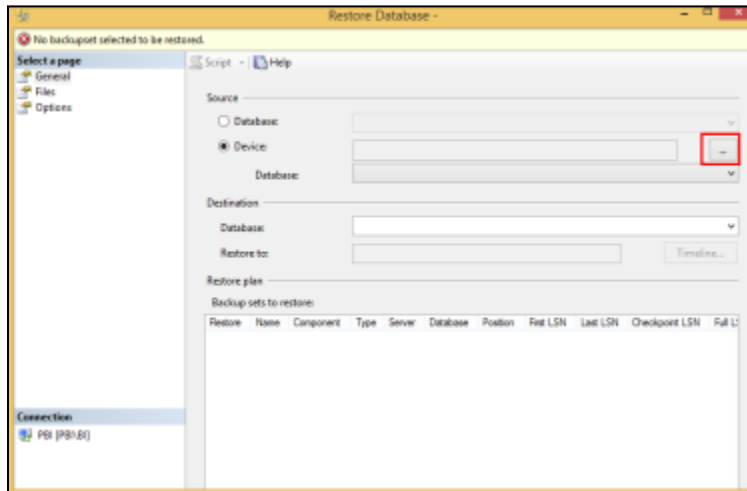
**Step 1** : Open SQL Server Management Studio to restore the backup file.



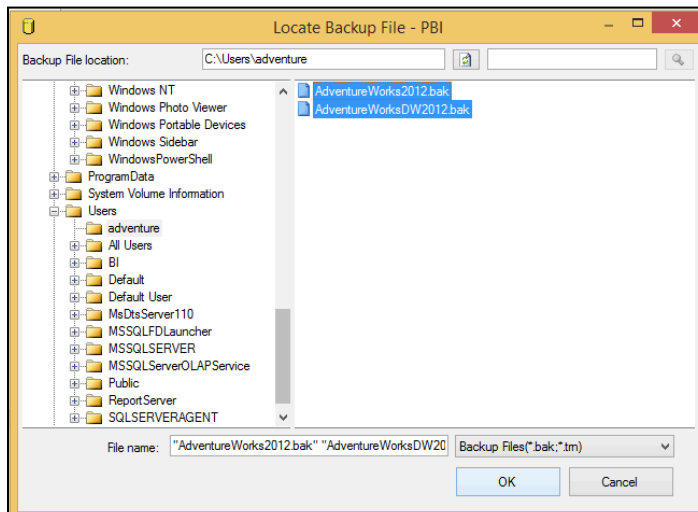
**Step 2** : Right click on Database → Restore Database.



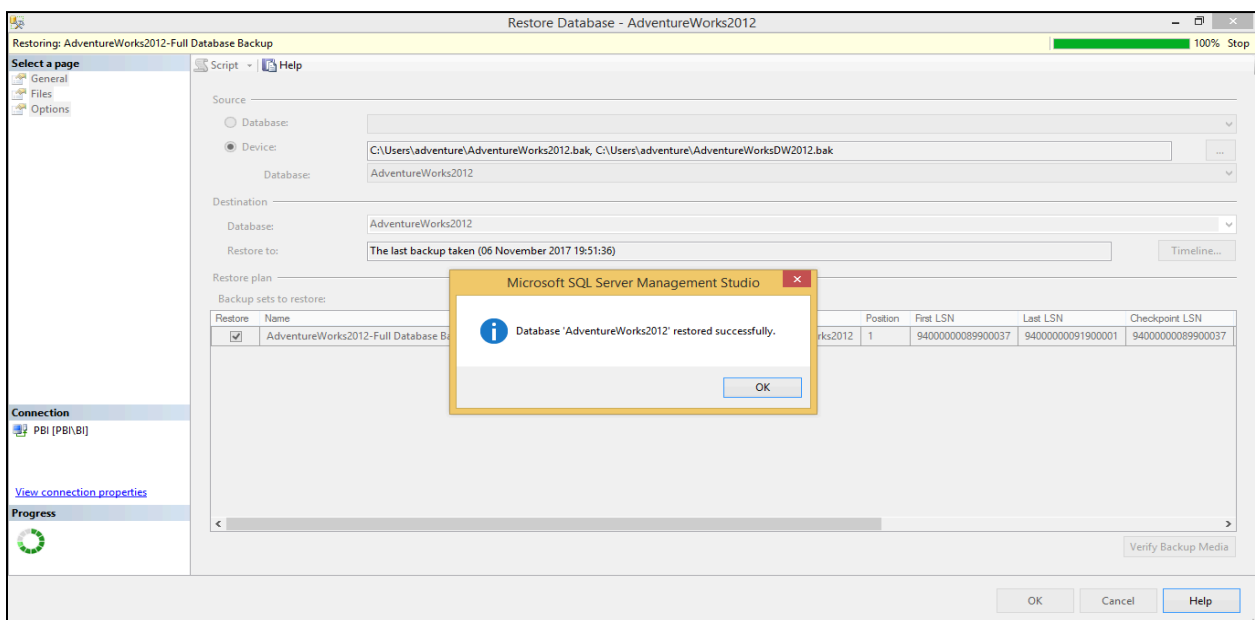
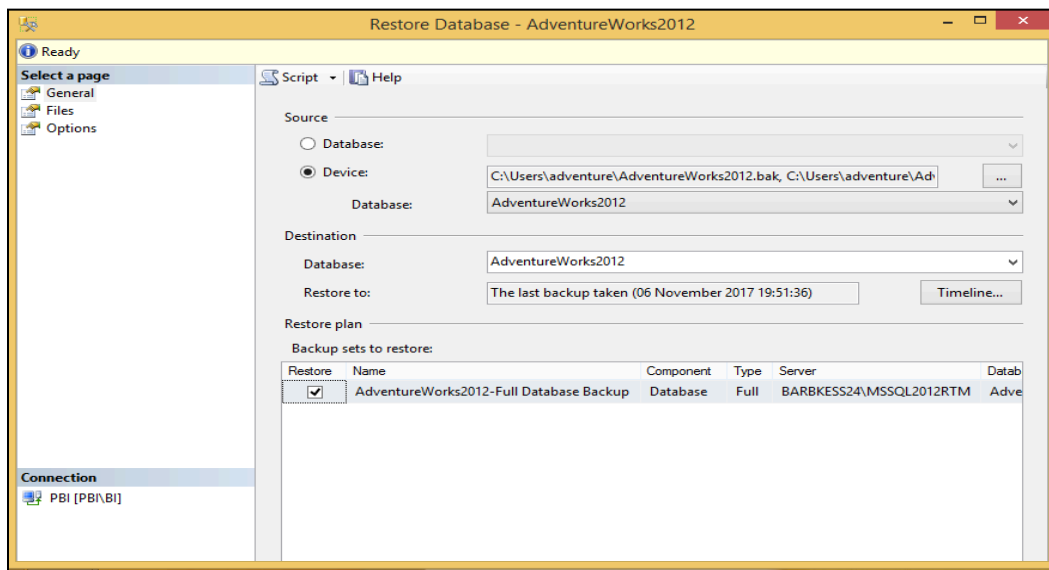
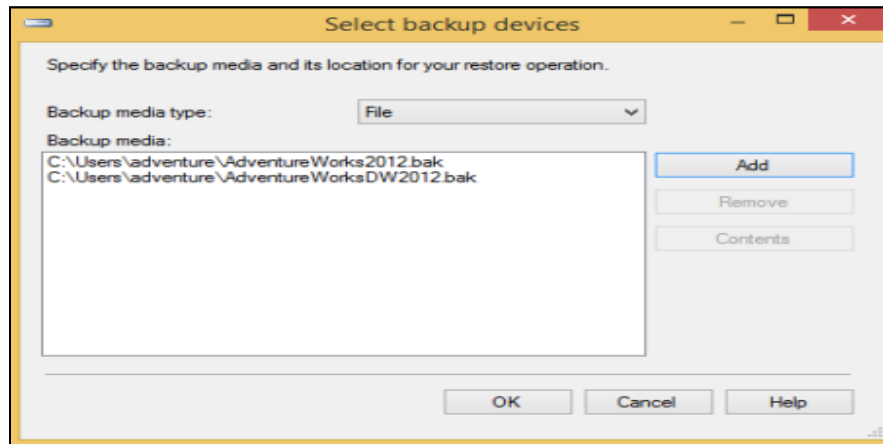
**Step 3 :** Select device → Click on 3 dot icon towards end of device box.



**Step 4 :** Click on Add → Select path of backup files and select both files at a time.

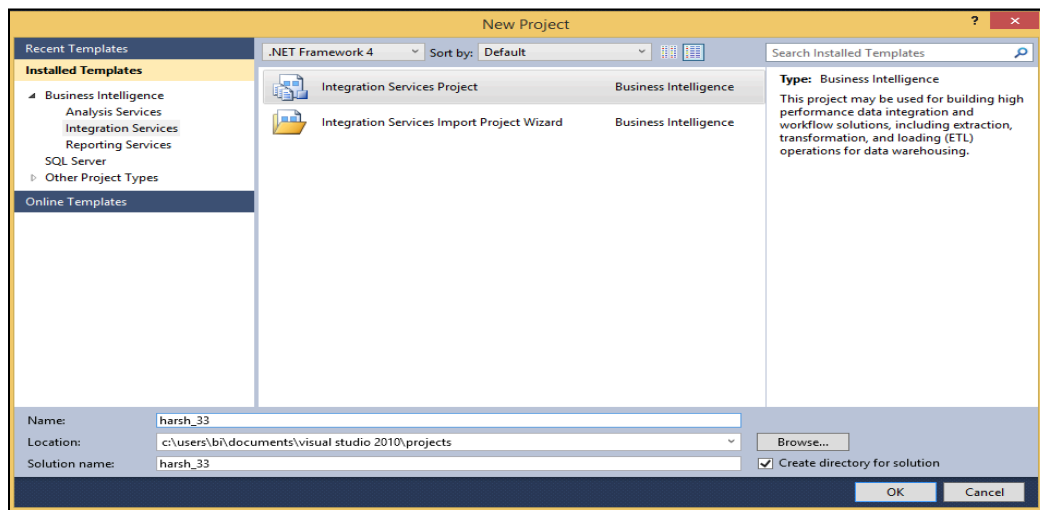
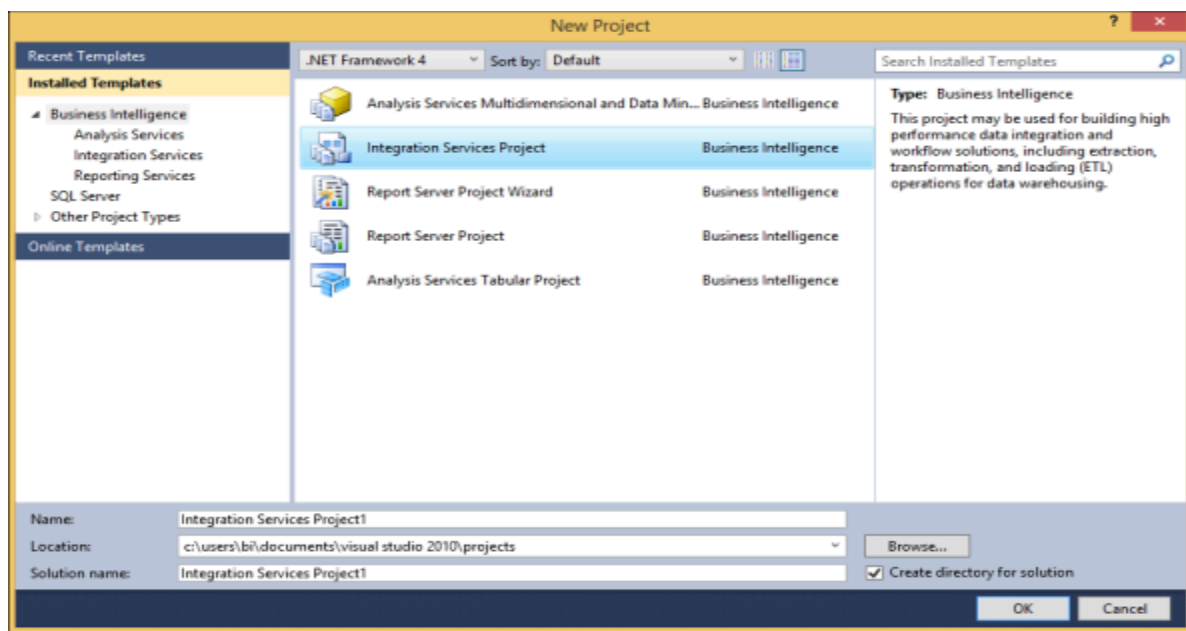
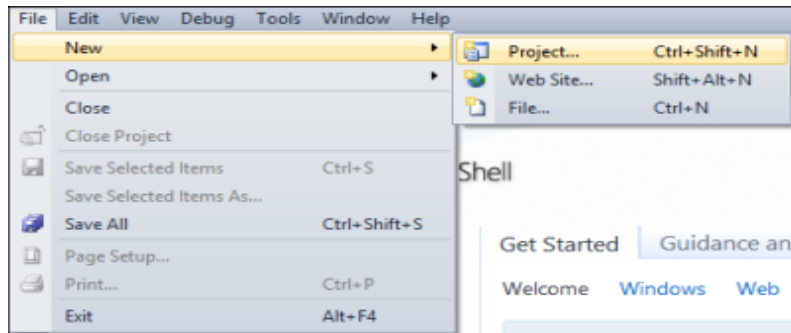


**Step 5 :** Click Ok and in the Select backup devices window Add both files of AdventureWorks.



**Step 6** : Open SQL Server Data Tools.

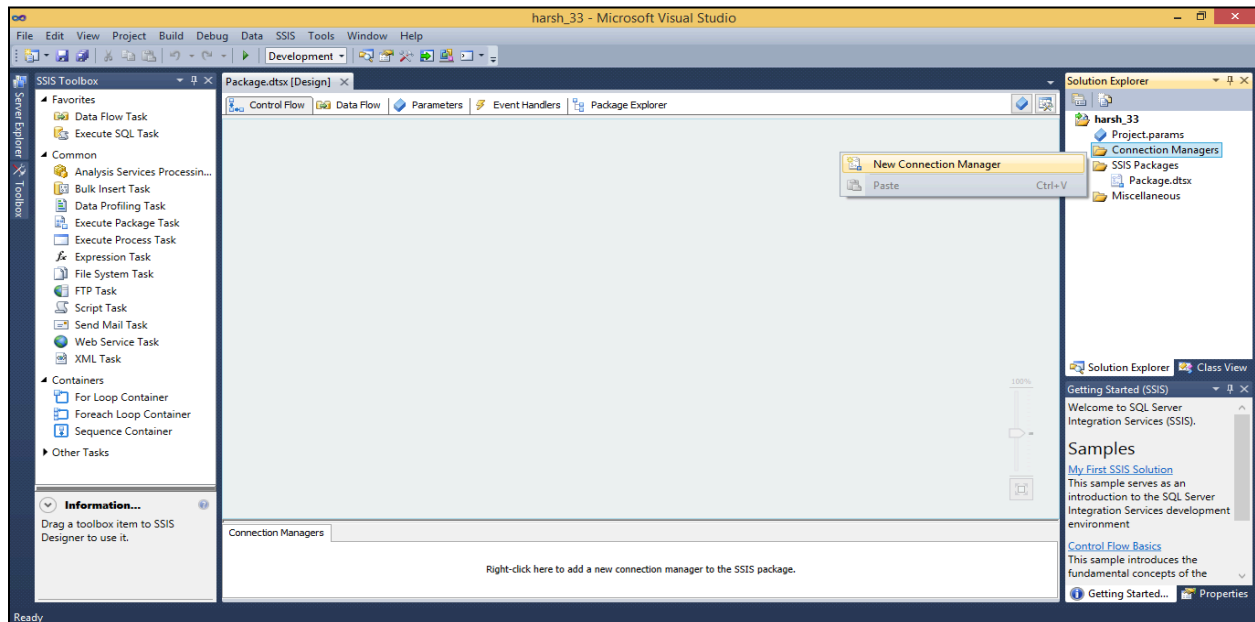
Select File → New → Project → Business Intelligence → Integration Services Project & give appropriate project name.



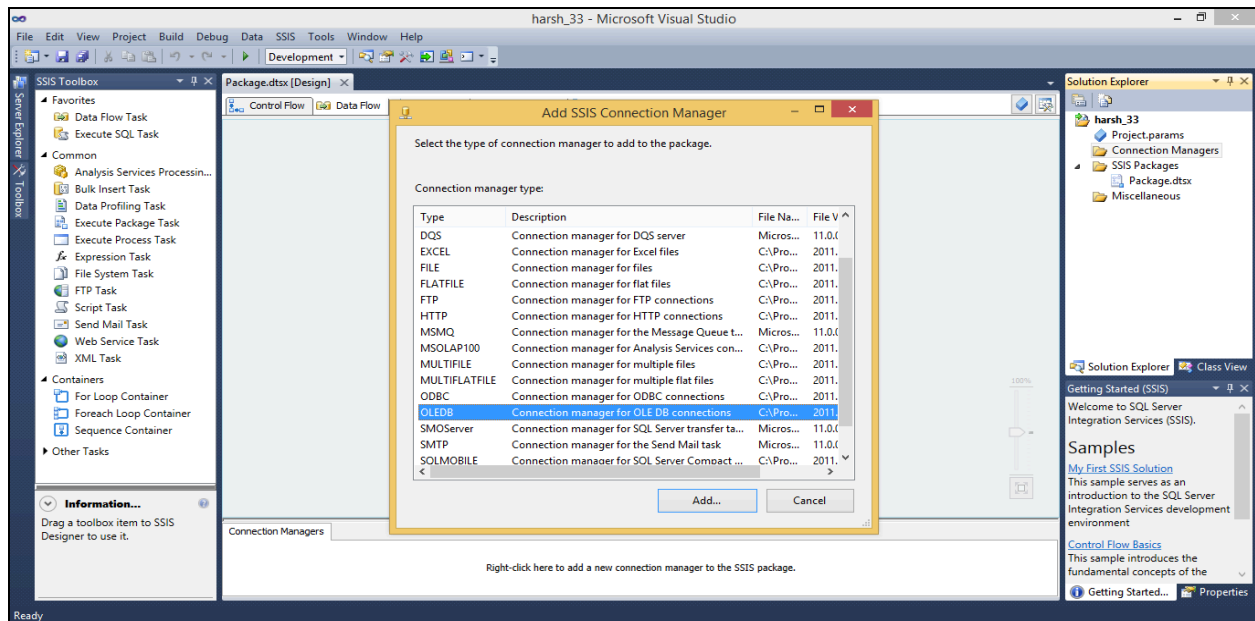
Environment consists of SQL Server Integration Services (SSIS)

**Step 7 :** Right Click on Connection Managers in Solution Explorer and click on New Connection Manager.

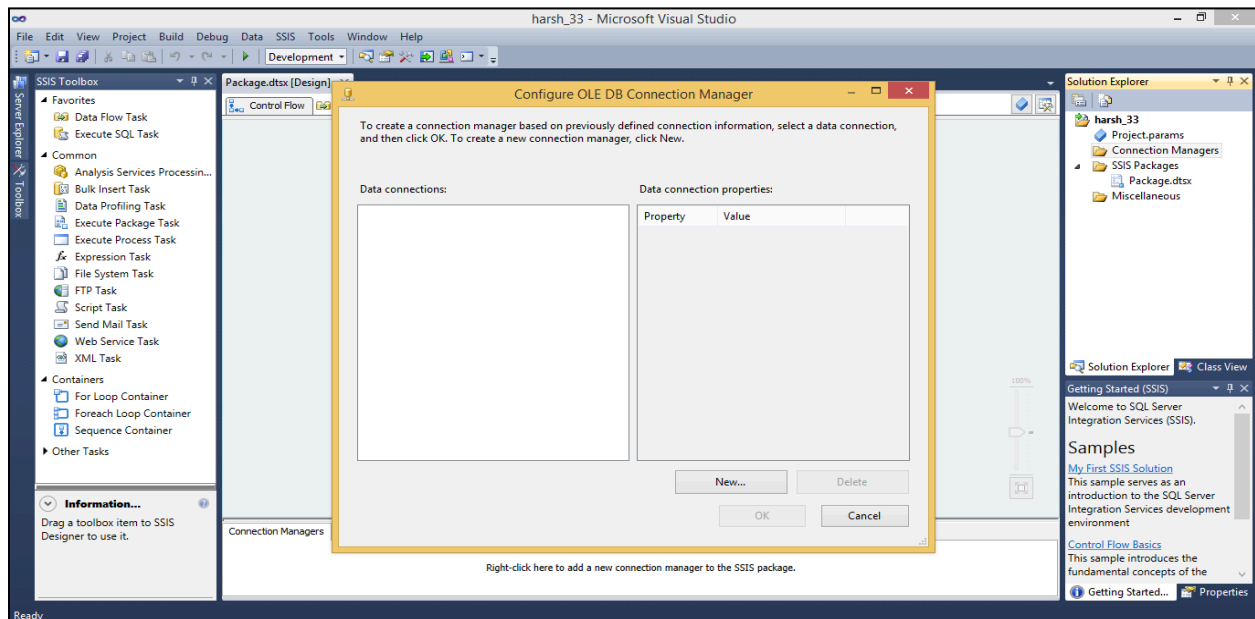
Add SSIS connection manager window appears.



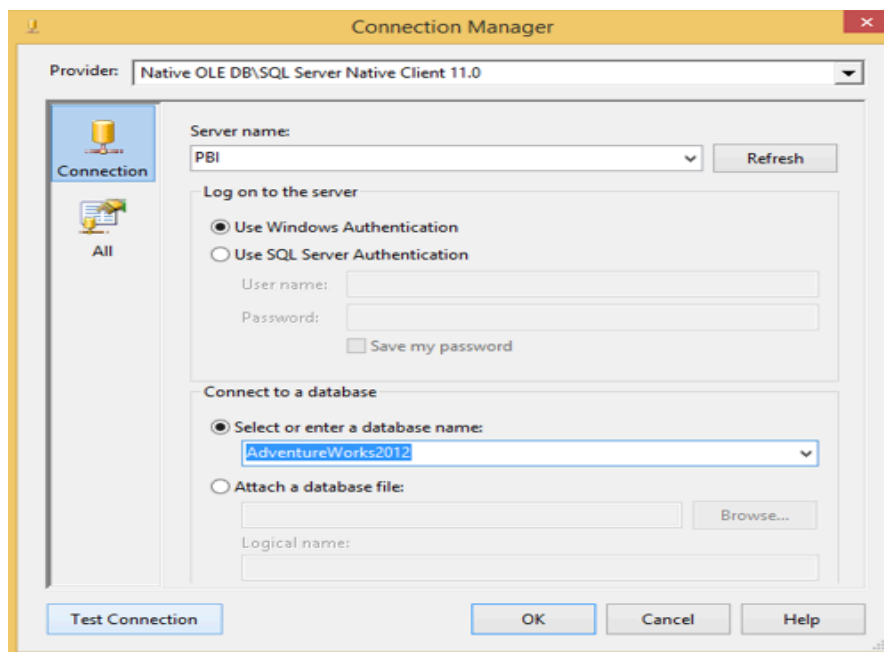
**Step 8 :** Select OLEDB Connection Manager and Click on Add.



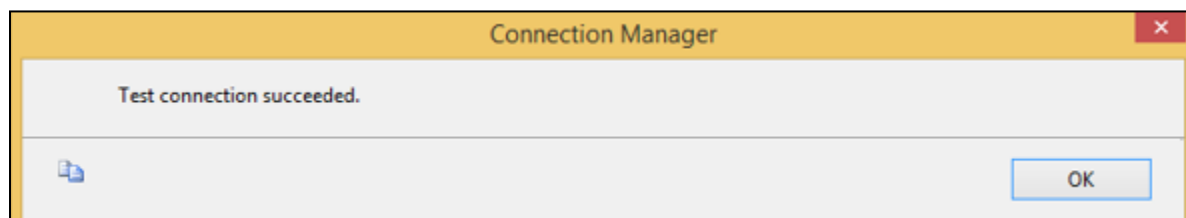
**Step 9 :** Configure OLEDB Connection Manager window appears → Click on New.



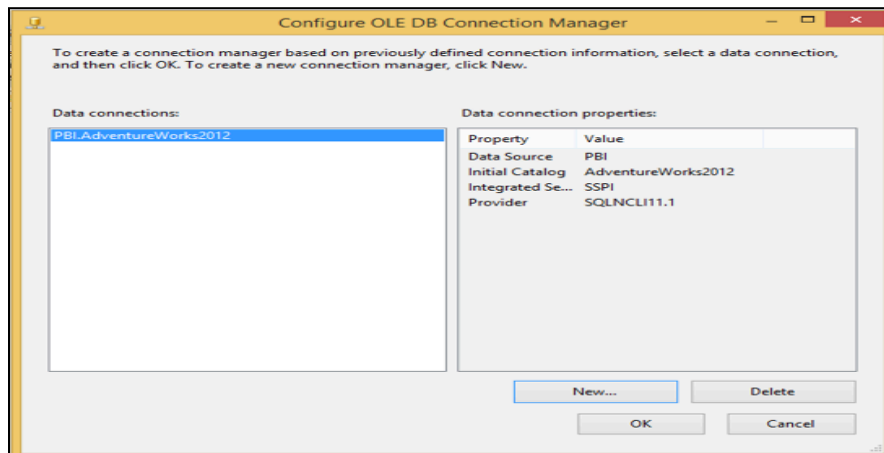
**Step 10 :** Select Server name from drop down and database name and click on Test Connection.



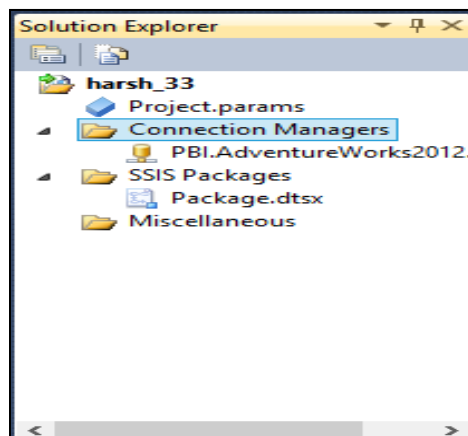
If test connection succeeded, Click on OK.



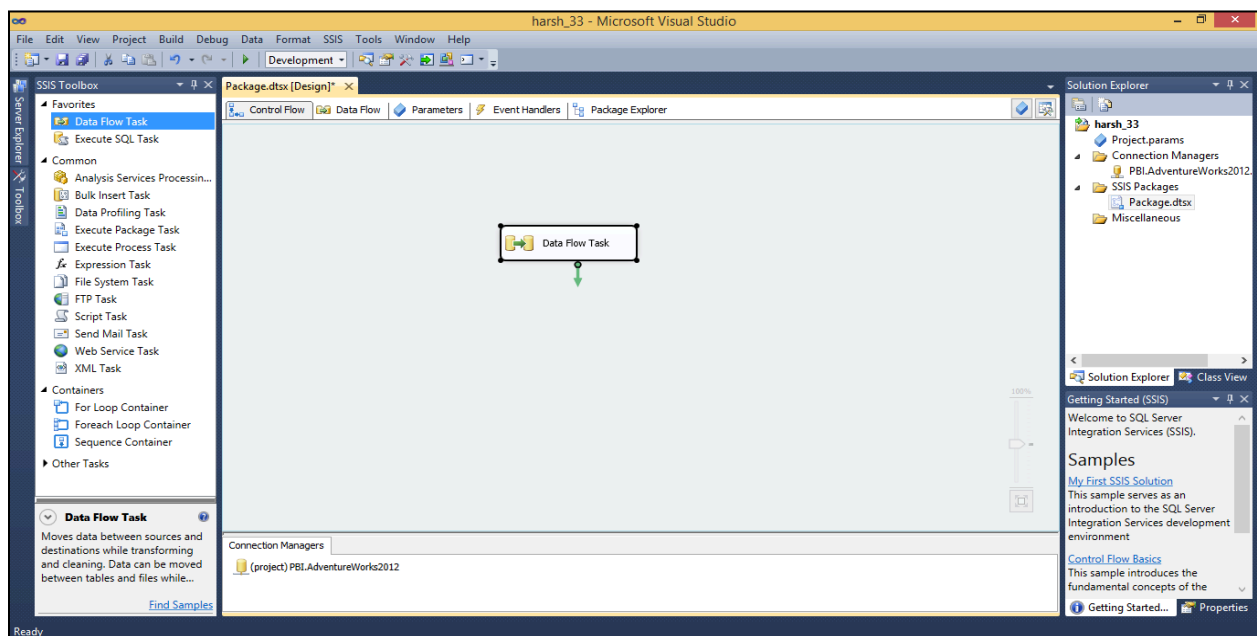
**Step 11 :** Click on OK.



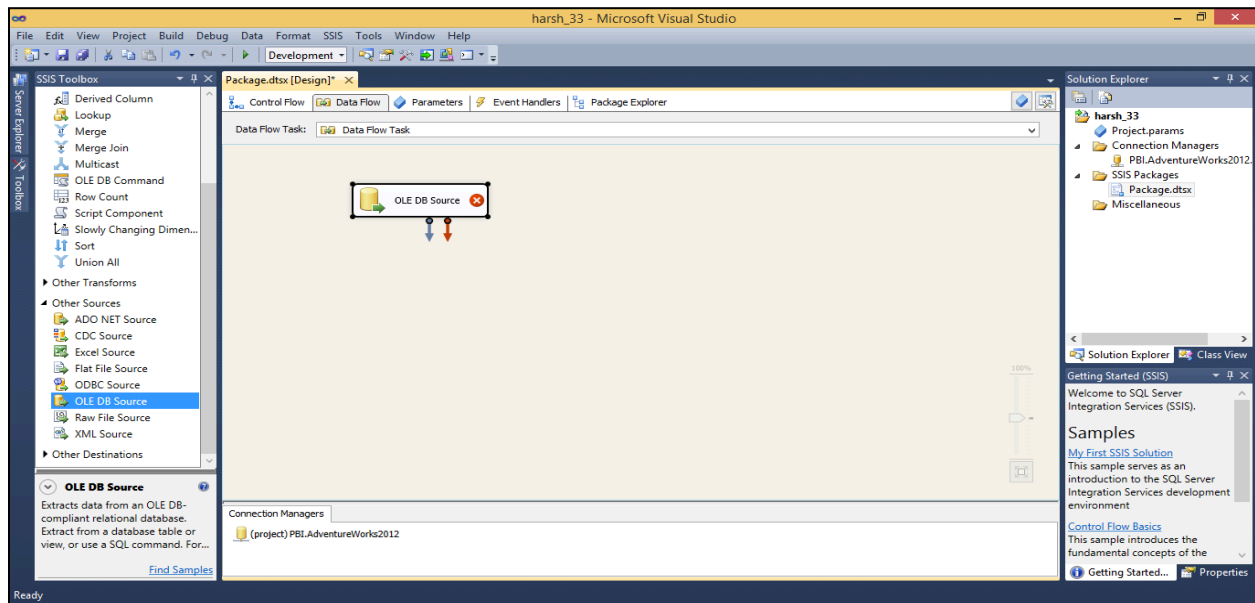
Connection is added to connection manager.



**Step 12 :** Drag & Drop Data Flow Task in Control Flow Tab.

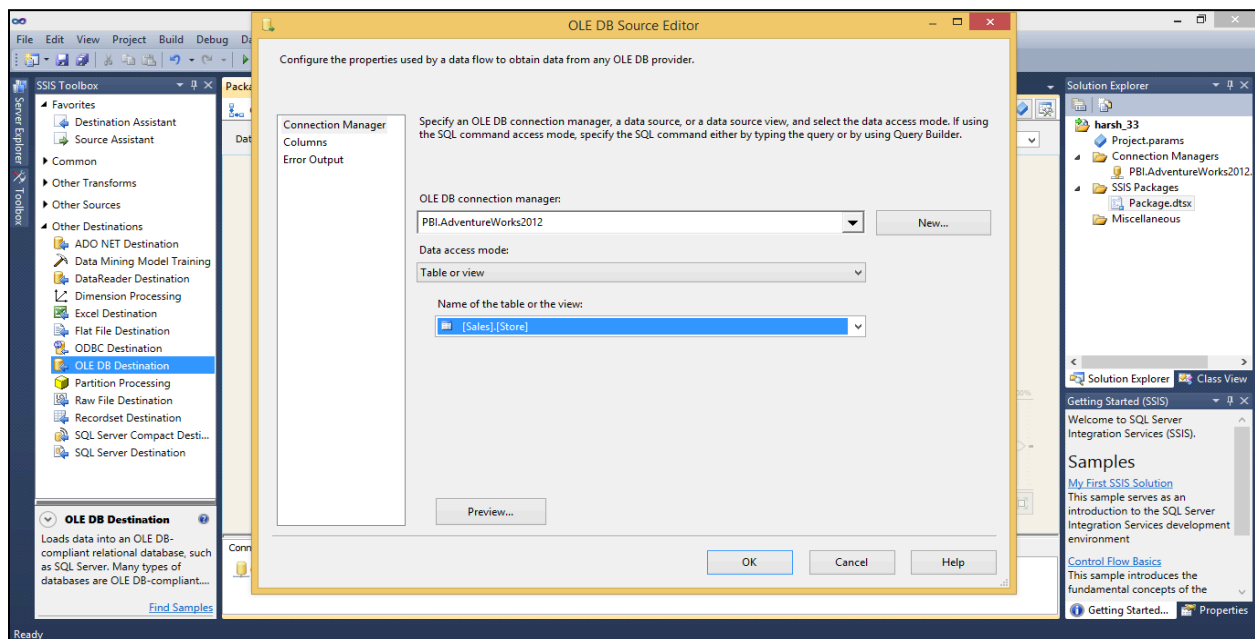


**Step 13 :** Drag OLE DB Sources from Other Sources and drop into Data Flow tab.



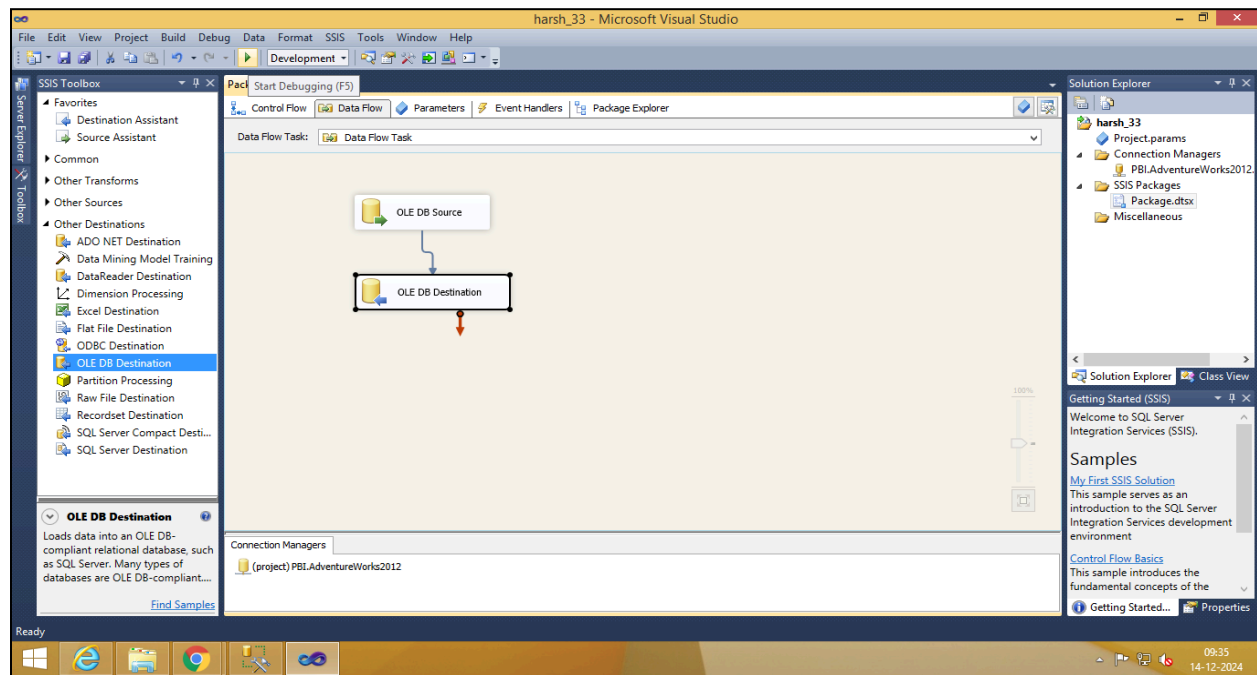
**Step 14 :** Double click on OLE DB Source → OLE DB Source Editor appears → Click on new to add connection manager.

Select [Sales].[Store] table from drop down → OK.



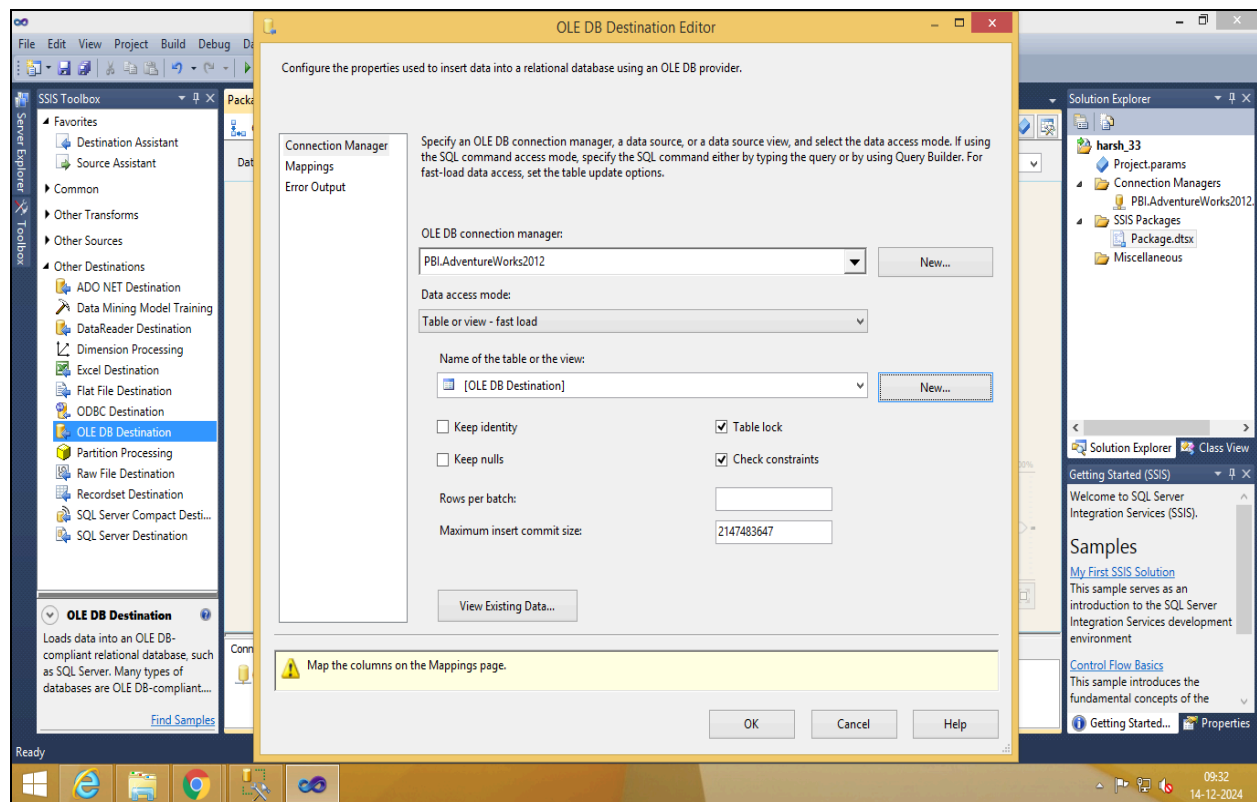


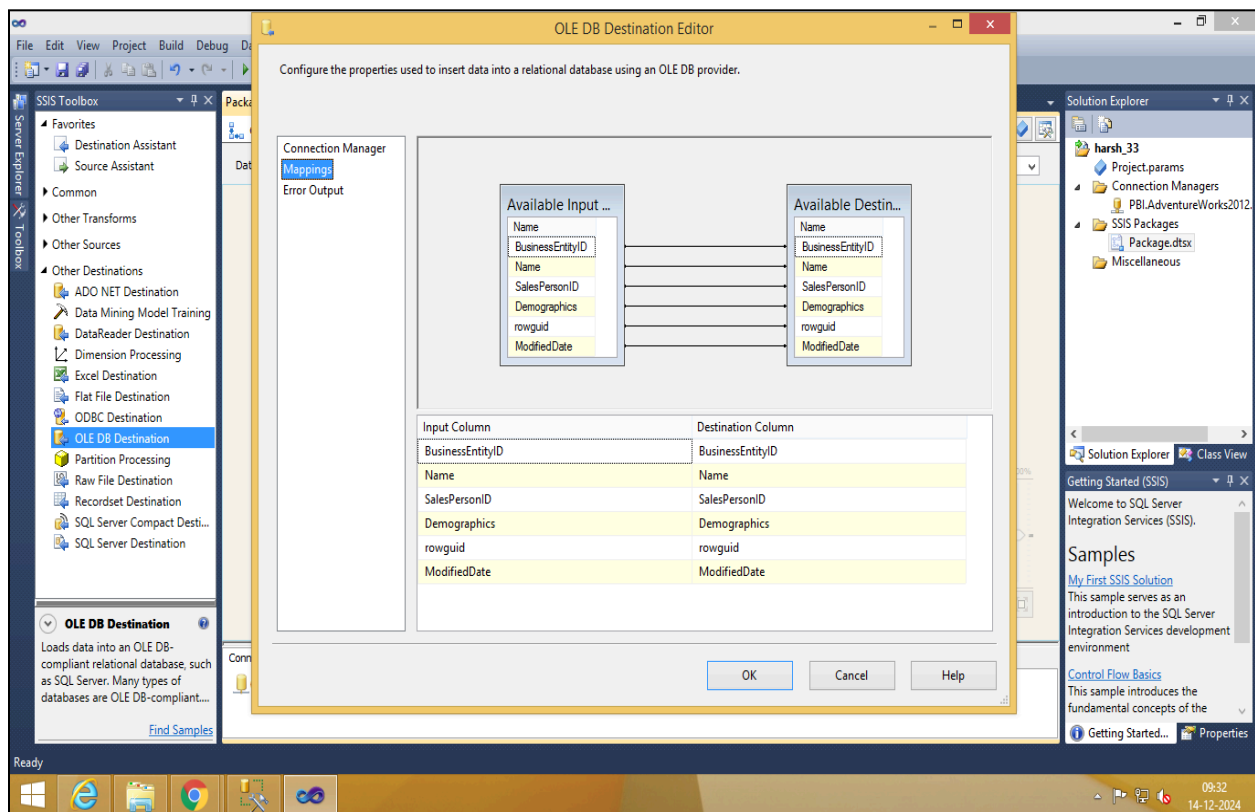
**Step 15 :** Drag OLE DB Destination in data flow tab and connect both.



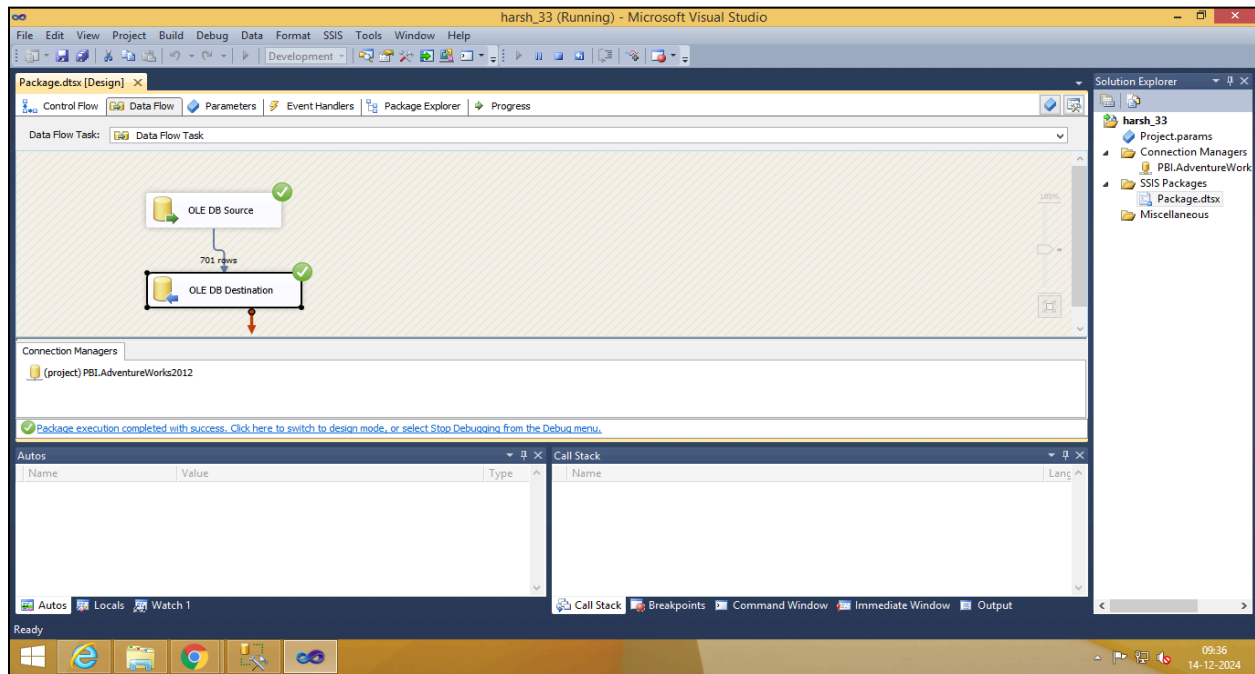
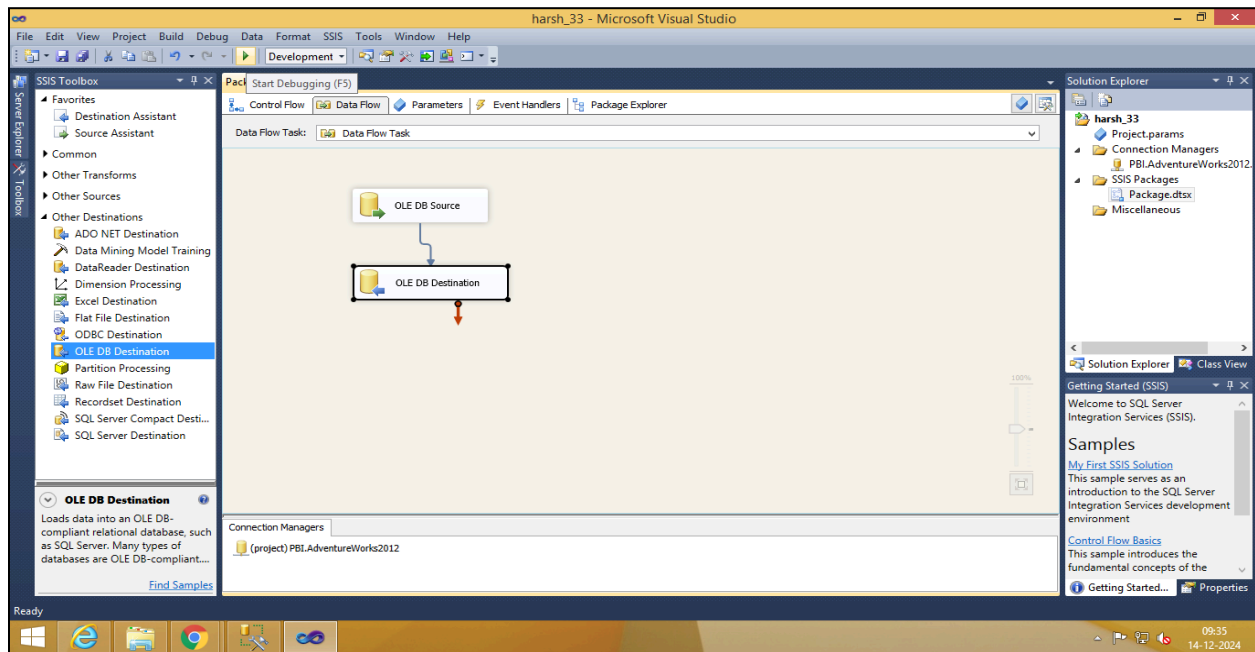
**Step 16 :** Double Click on OLE DB destination.

Click on New to run the query to get [OLE DB Destination] in Name of the table or the view.

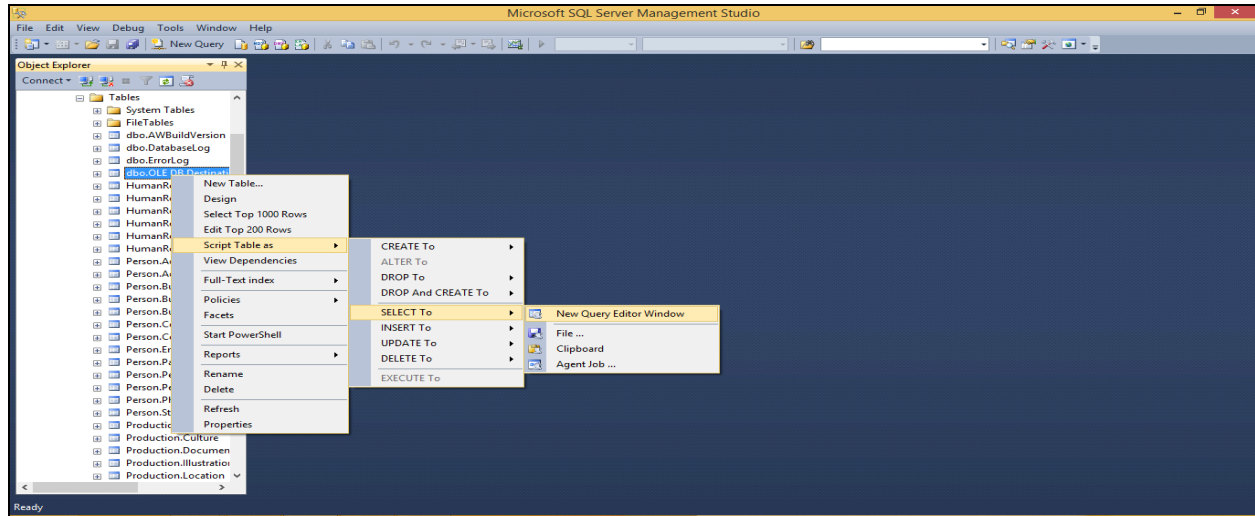




Click on OK.

**Step 17 :** Click on Start.**Step 18 :** Go to SQL Server Management Studio.

In Database tab → Adventureworks → Right click on [dbo].[OLE DB Destination] → Script Table as → SELECT To → New Query Editor Window.



**Step 19 :** Execute the following query to get output.

