PRACTICAL 2

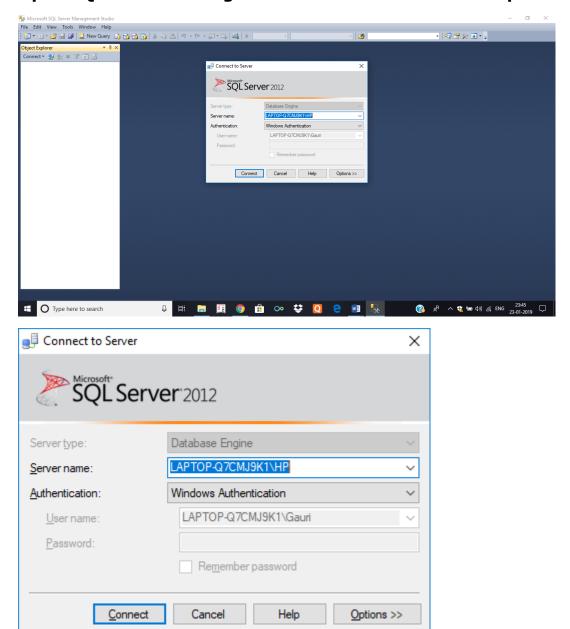
Perform the Extraction Transformation and Loading (ETL) process to construct the database in the SQL server.

Software requirements: SQL SERVER 2012 FULL VERSION (SQLServer2012SP1-FullSlipstream-ENU-x86)

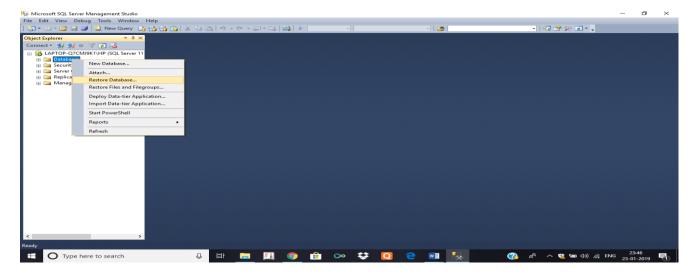
Steps to install SQL SERVER 2012 FULL VERSION (SQLServer2012SP1-FullSlipstream-ENU-x86) are given in my previous post.

Step 1:

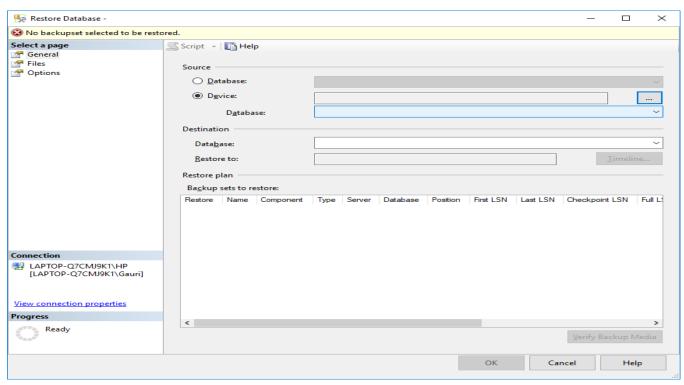
Open SQL Server Management Studio to restore backup file

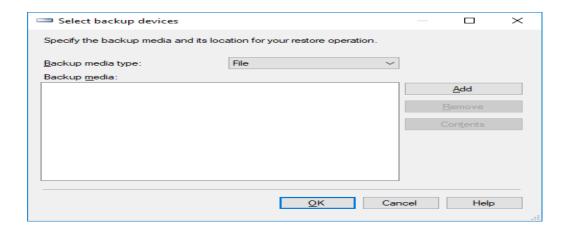


Step 2: Right click on Databases → Restore Database

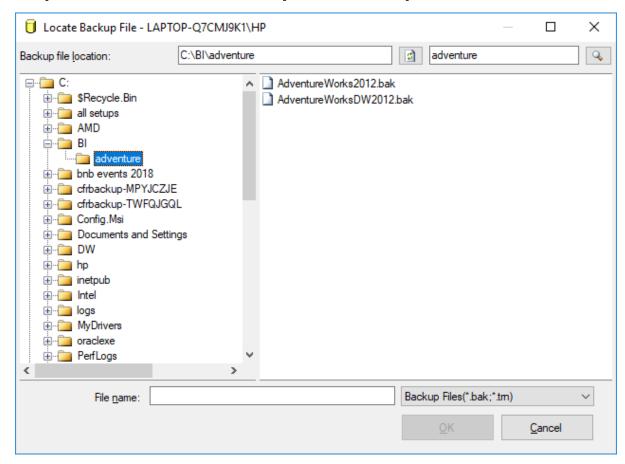


Step 3: Select Device → click on icon towards end of device box

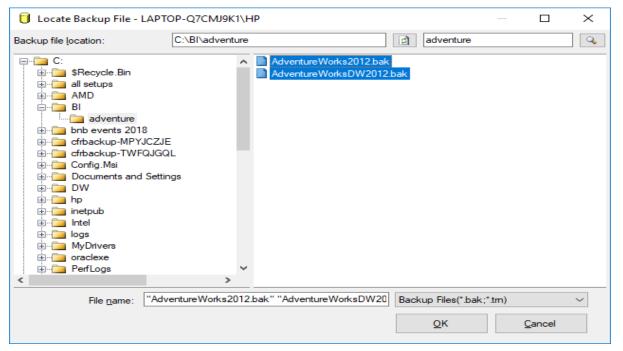




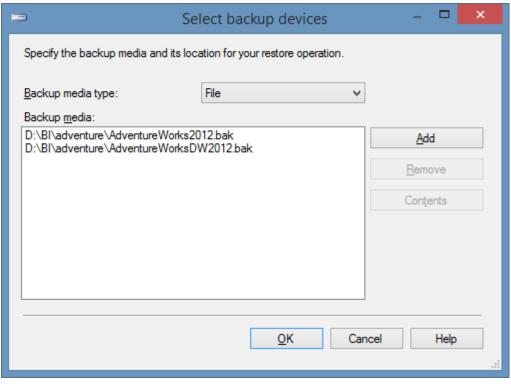
Step 4: Click on Add → Select path of backup files

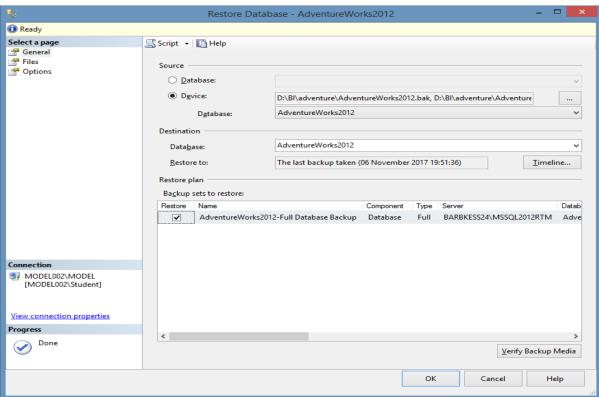


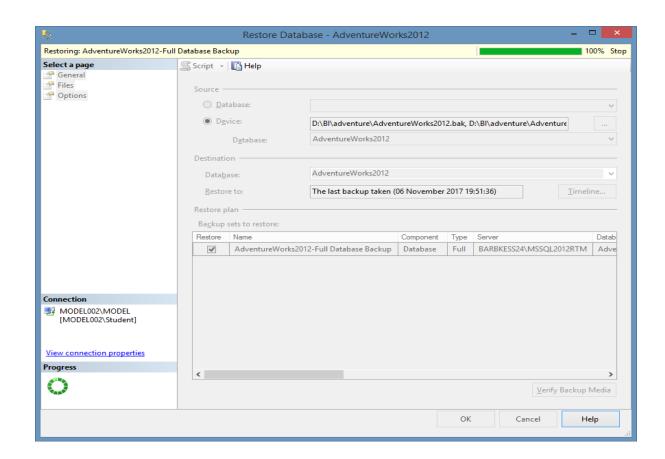
Step 5: Select both files at a time

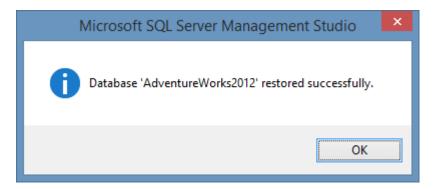


Step 6 : Click ok and in select backup devices window Add both files of AdventureWorks



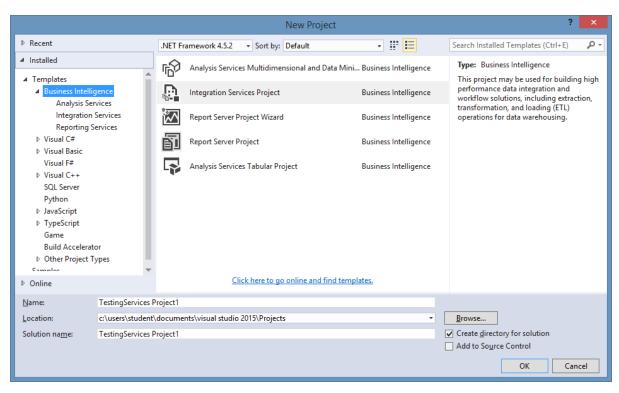


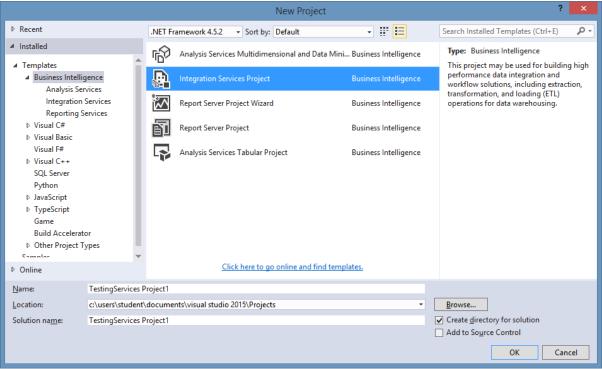


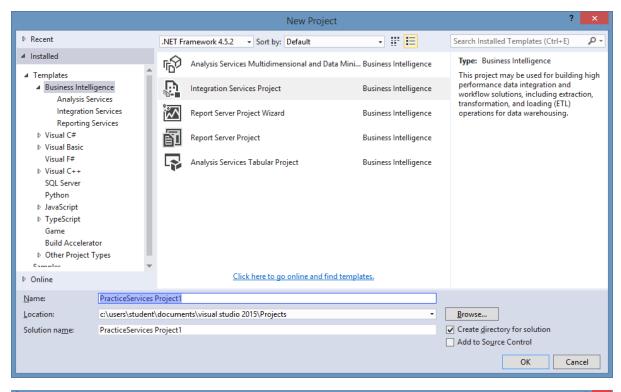


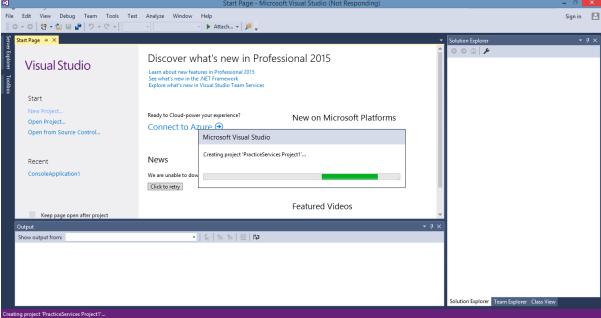
Step 7: Open SQL Server Data Tools

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

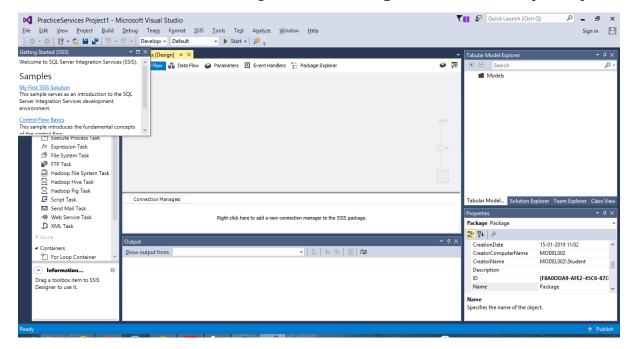






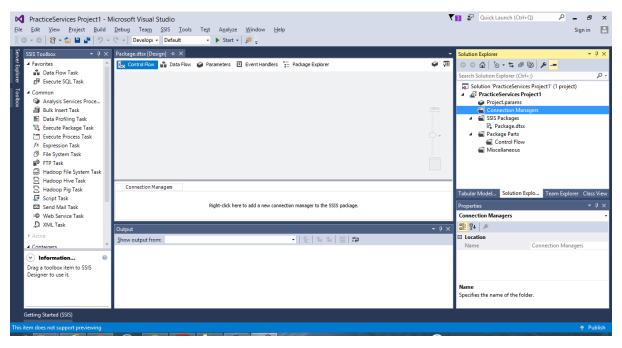


Environment consists of SQL Server Integration Services(SSIS)

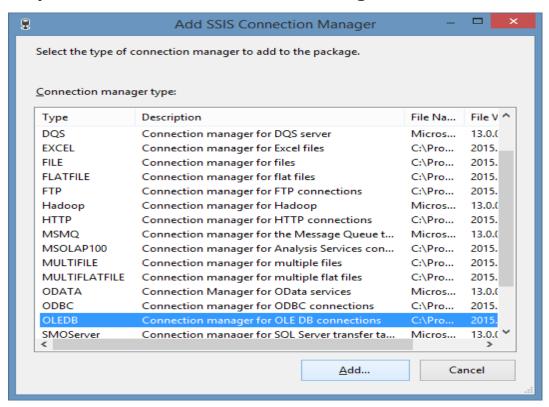


Step 8: Right click on Connection Managers in solution explorer and click on New Connection Manager.

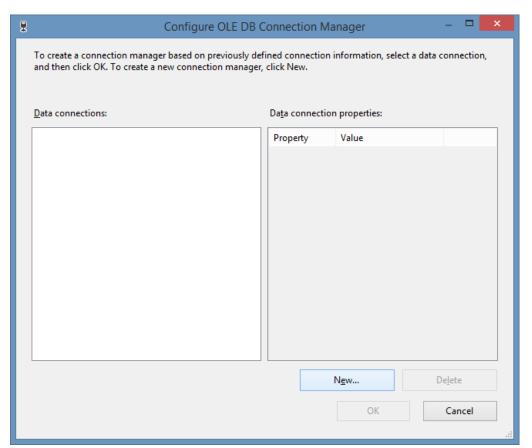
Add SSIS connection manager window appears.



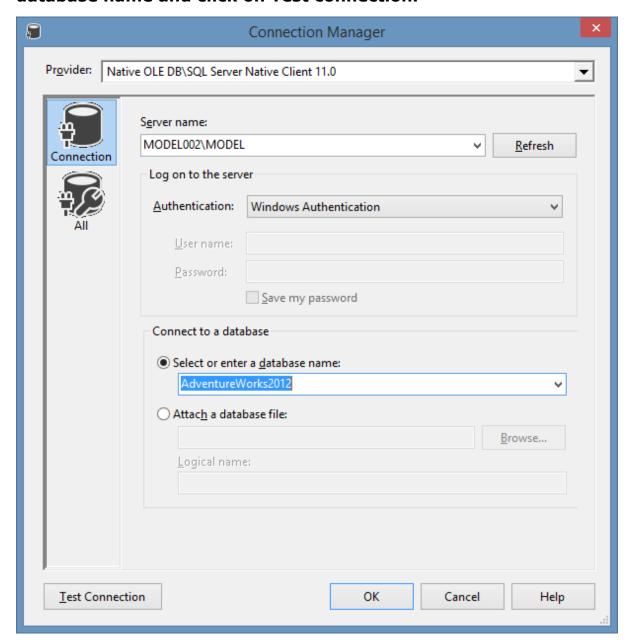
Step 9: Select OLEDB Connection Manager and Click on Add



Step 10: Configure OLE DB Connection Manager window appears → Click on New



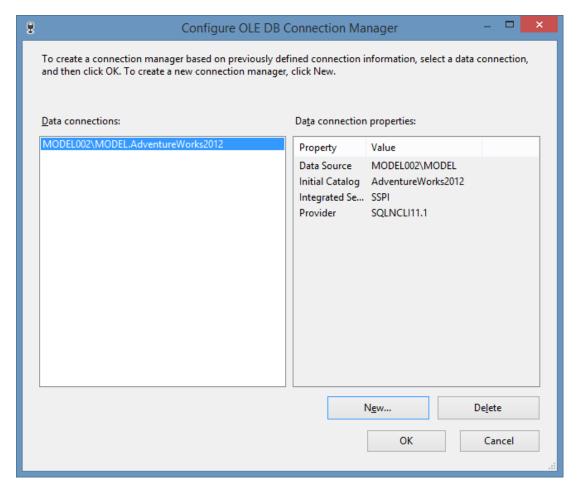
Step 11: Select Server name(as per your machine) from drop down and database name and click on Test connection.



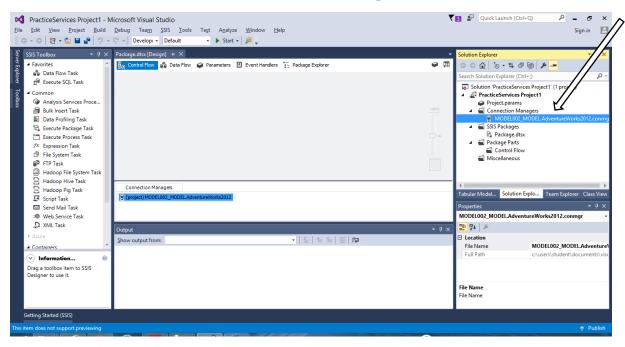
If test connection succeeded click on OK.



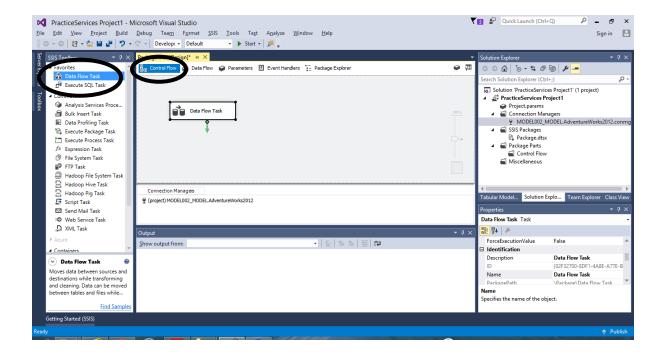
Step 12: Click on OK



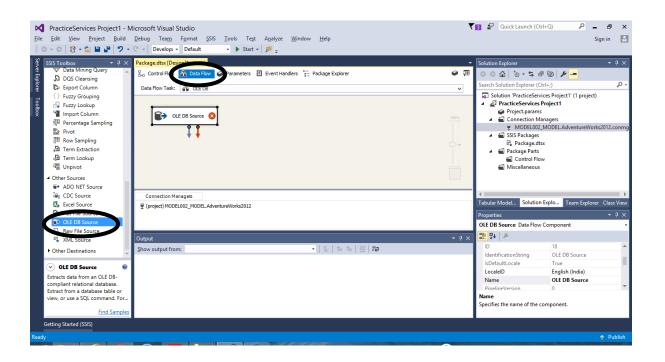
Connection is added to connection manager



Step 13: Drag and drop Data Flow Task in Control Flow tab

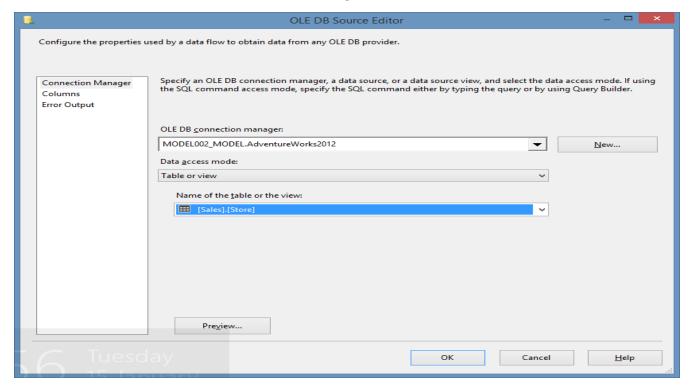


Step 14: Drag OLE DB Source from Other Sources and drop into Data Flow tab

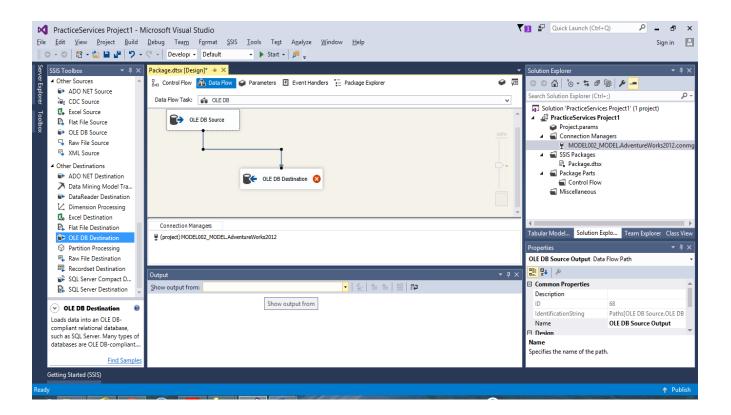


Step 15: Double click on OLE DB source → OLE DB Source Editor appears→ click on New to add connection manager.

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

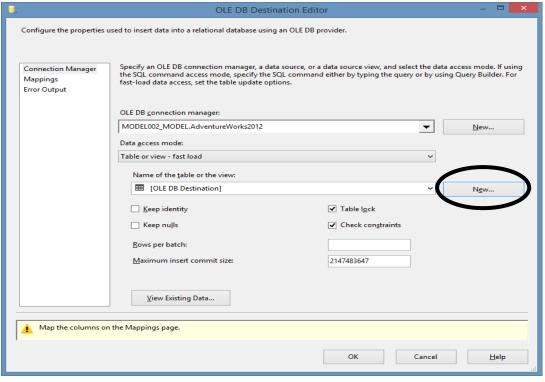


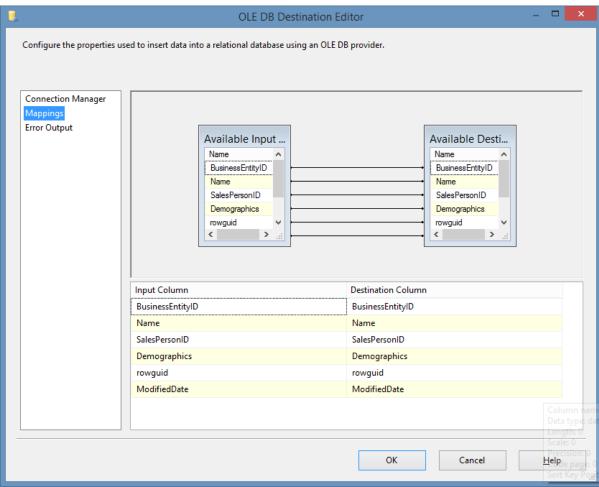
Step 16: Drag ole db destination in data flow tab and connect both

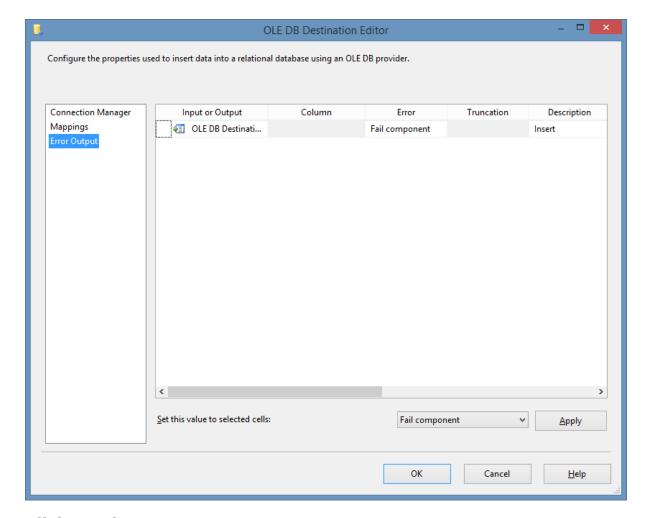


Step 17: Double click on OLE DB destination

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

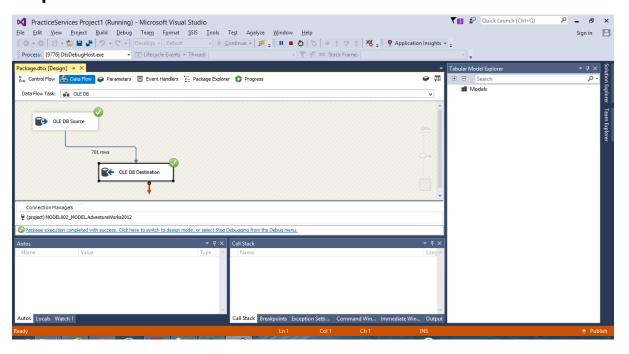






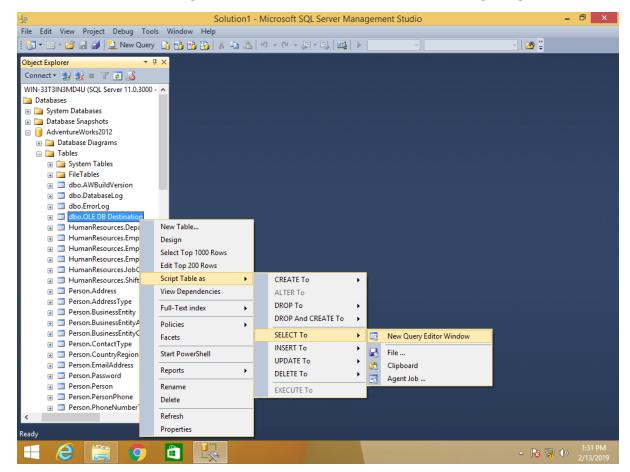
Click on ok

Step 18: Click on start.



Step 19: Go to SQL Server Management Studio

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



Step 20: Execute following query to get output.

```
USE [AdventureWorks2012] GO
```

```
SELECT [BusinessEntityID]
,[Name]
,[SalesPersonID]
,[Demographics]
,[rowguid]
,[ModifiedDate]
FROM [dbo].[OLE DB Destination]
GO
```

