DWDM Lab by Usman Shehzaib
Lab Task Week # 2. Create a Data Source and Data source View

In this Week you will learn how we create a Data source and then based on it how we create a data source view. A data source view will be used in our further experiments. Remember to start SSMS and SQL Server 2019 before you proceed.

1. Open MS visual Studio. Choose New project and in type choose analysis services project.

2. Click New data source. Choose Adventure works data warehouse. Give it a name of your choice

3. Its wise to choose service account. A .ds file will be created.

4. Right click on data source view. It will show adventure works data warehouse

5. Choose it and it will show a list of all tables and views select some tables like fact internetsales fact reseller sales, dimproduct, dimsalesterritory, dim currency, dim date, dim promotion, dimcustomer.

6. Give it a name and finish it. A .dsv file is created.

7. Now you can see fact tables in center and dimension tables surrounding it making it a star schema.

8. On any table by right clicking you can get option of explore data. Click it and you will get data insights

9. In Dimcustomer table right click and choose new named calculation.

10. Make column name as FullName give some description and in Expression put
FullName +' '+ LastName

11. It will create a new column in table and its calculated.

The detailed steps are shown below with screenshots.

1. Data Source

- Right Click the Data Source =>select New Data Source
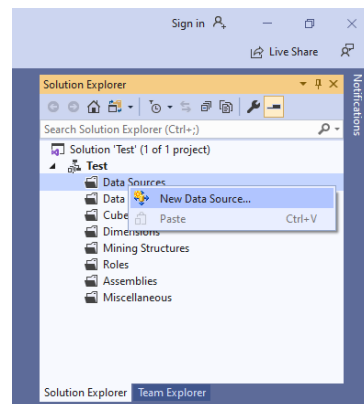
- Click Next
- Select the 2nd option **Create a data source based on an existing or new connection**=>click the new button
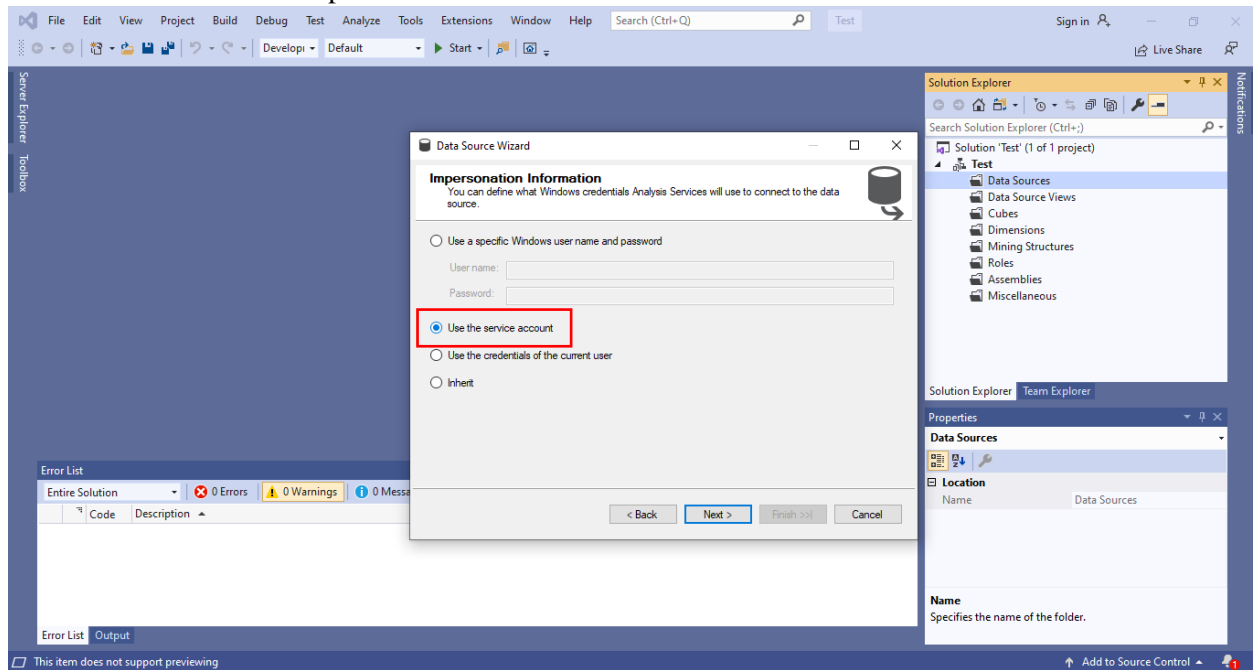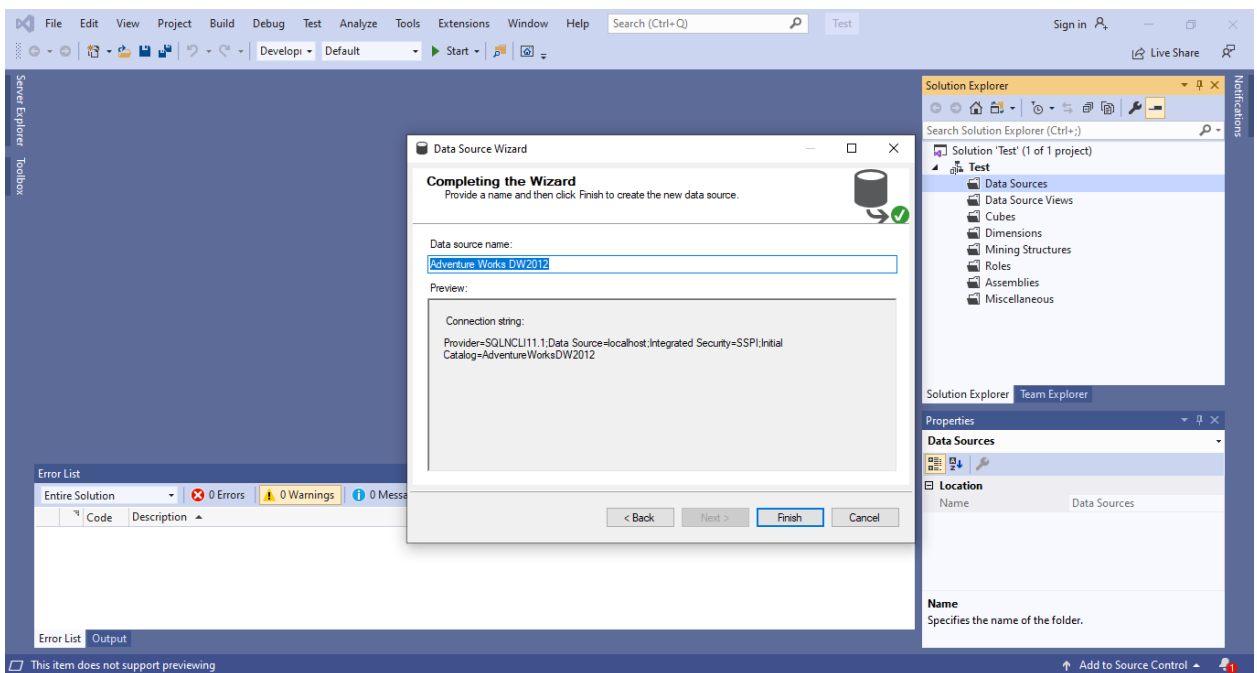
Type the **localhost** =>press refresh
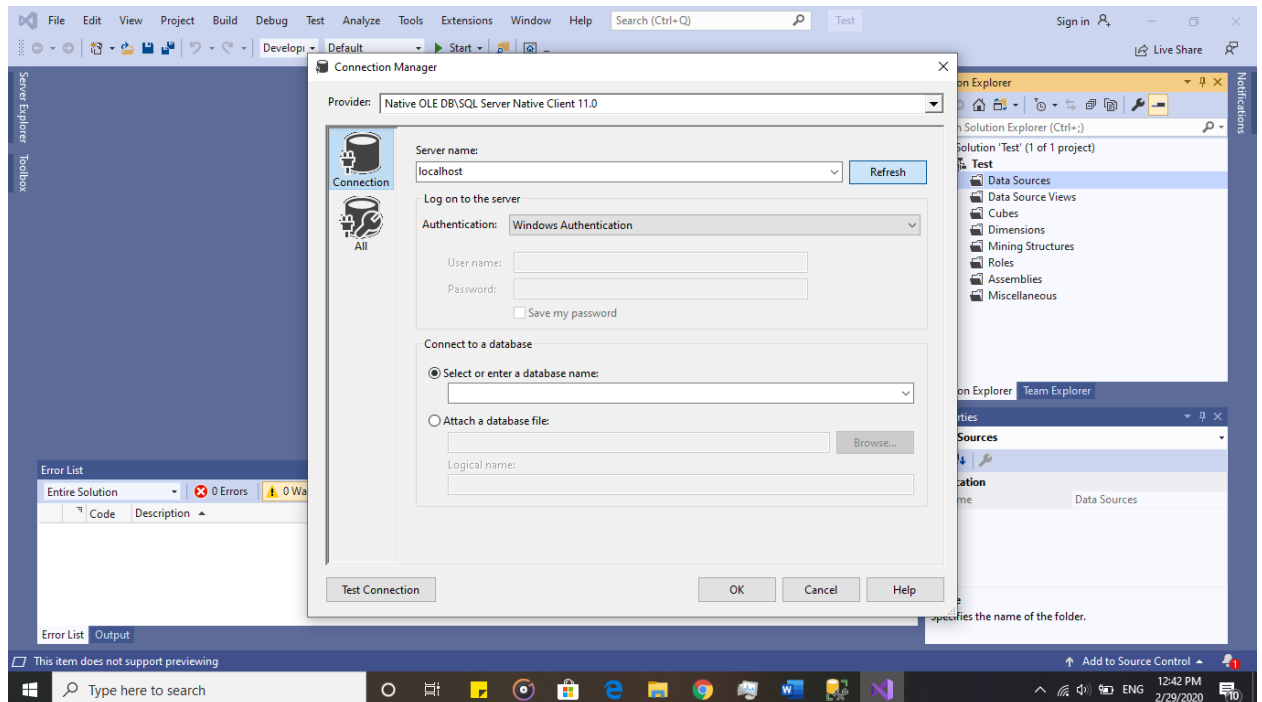
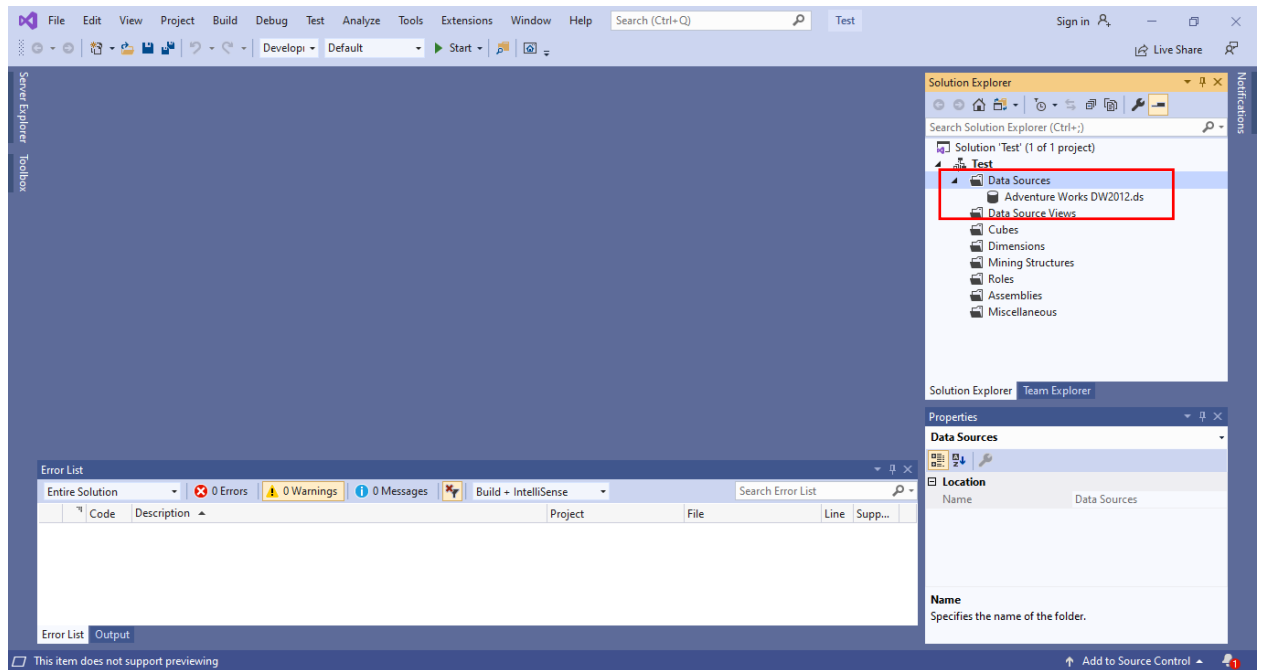- Select the **AdventureWorkDW2012** from dropdown in the Connect a database portion =>Press OK
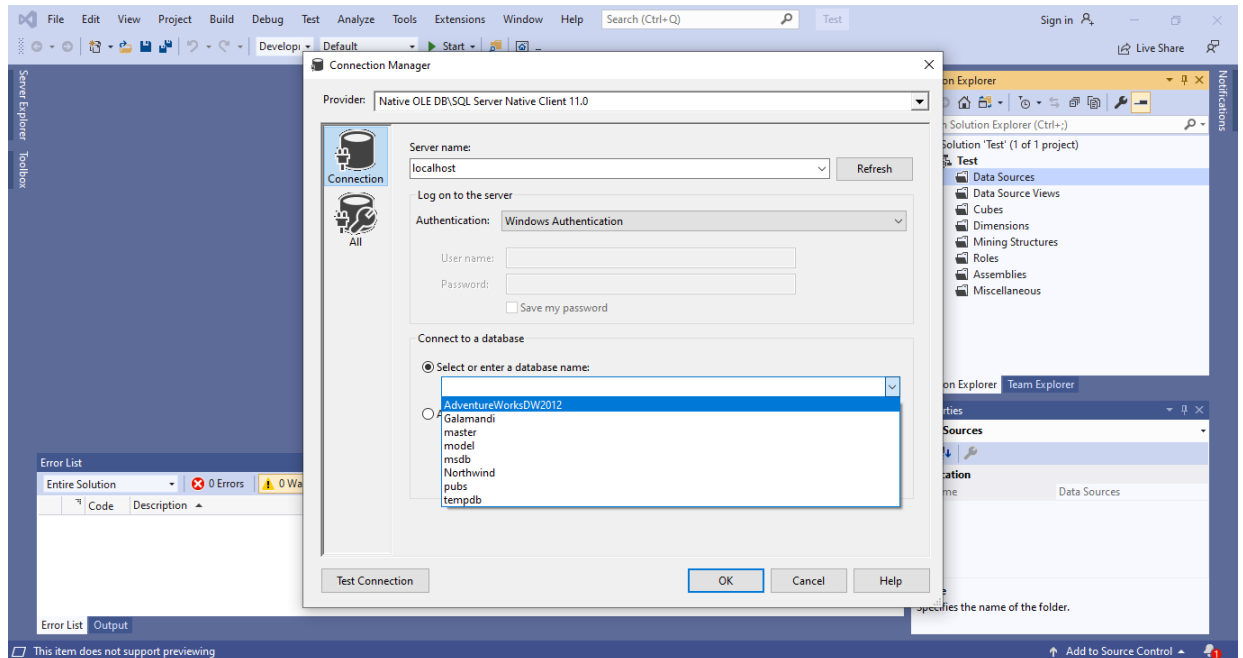
- Click Next => Select the option **Use a service Account**

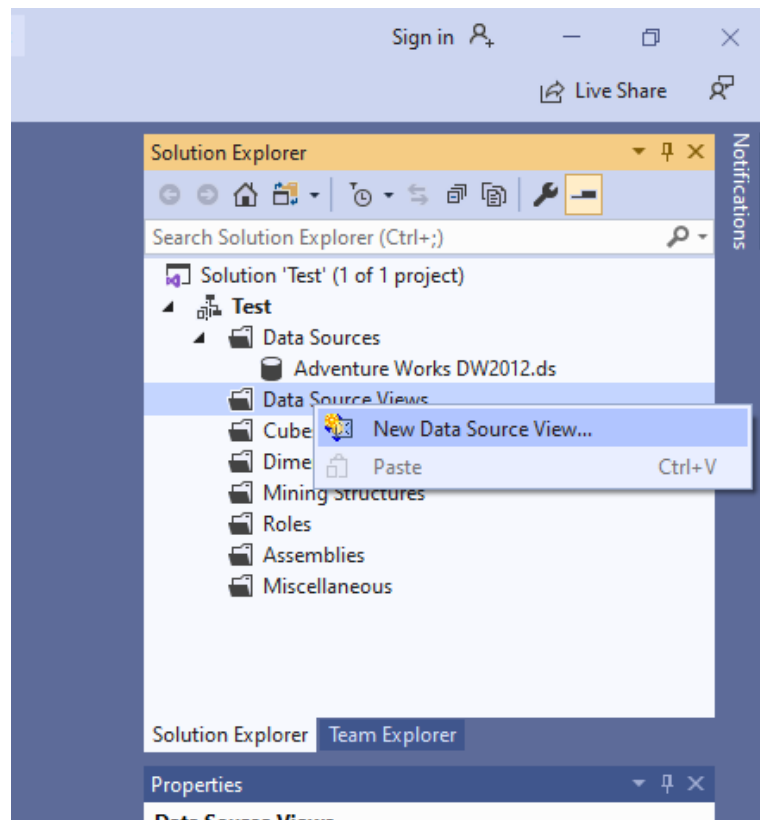- Press Next => The detail of the Adventurework2012 will be shown =>Press Finish
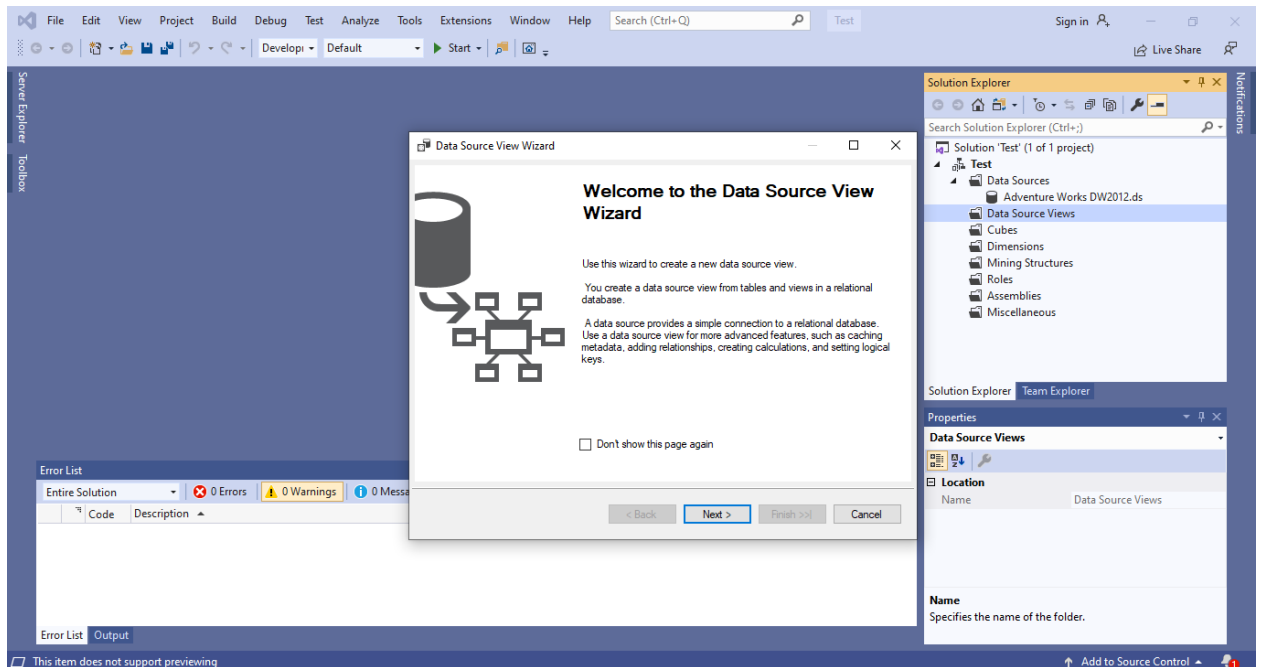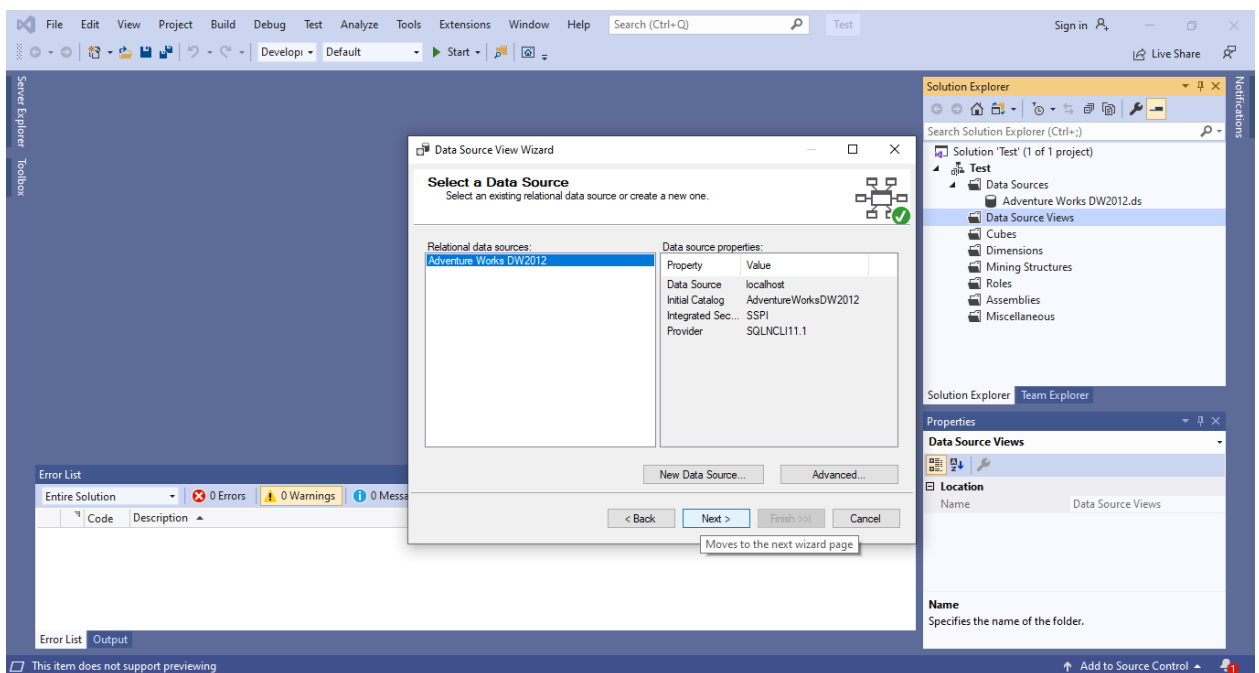
- It will be as

2. Data Source View
   - Now Right-Click the Data Source View=>New Data Source View

- Press Next

- connected Database of AdventureWork2012 and its details are shown =>Press Next
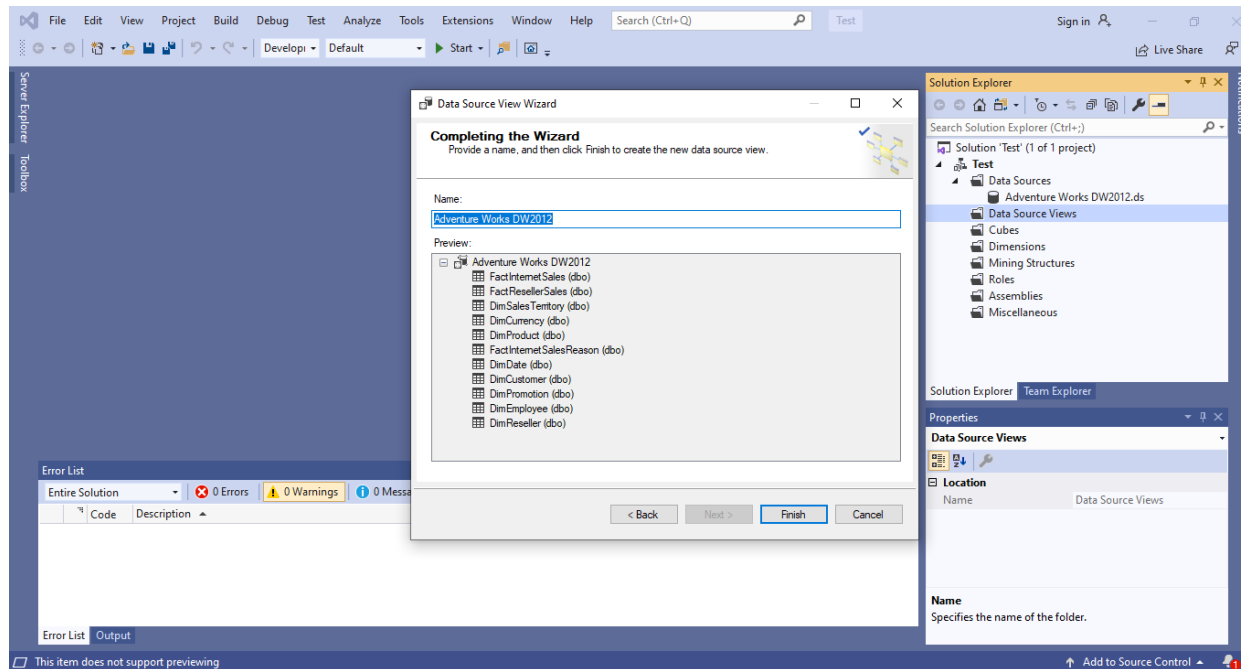
- Now Select the Tables from the Availed Object Which You want to use in the Project (i.e. FactInternetSales, FactResellerSales) to the Include Object by pressing > button=> Add Related Tables For both include objects separately
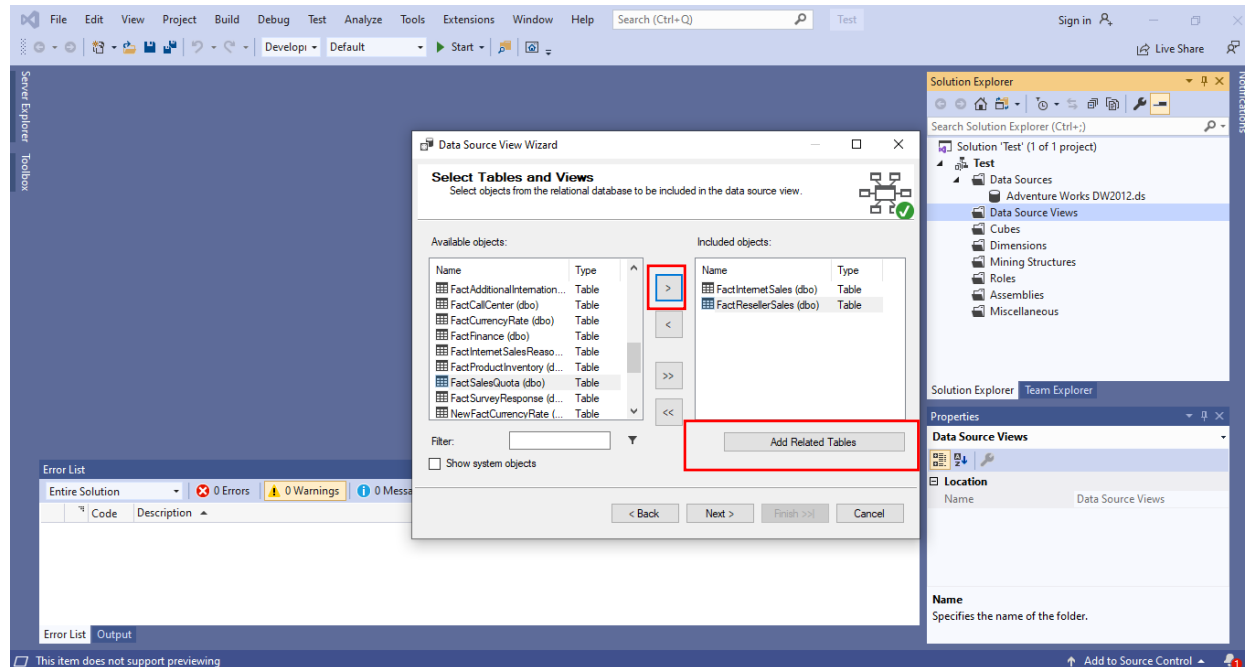
- The Related Tables Will be Shown as
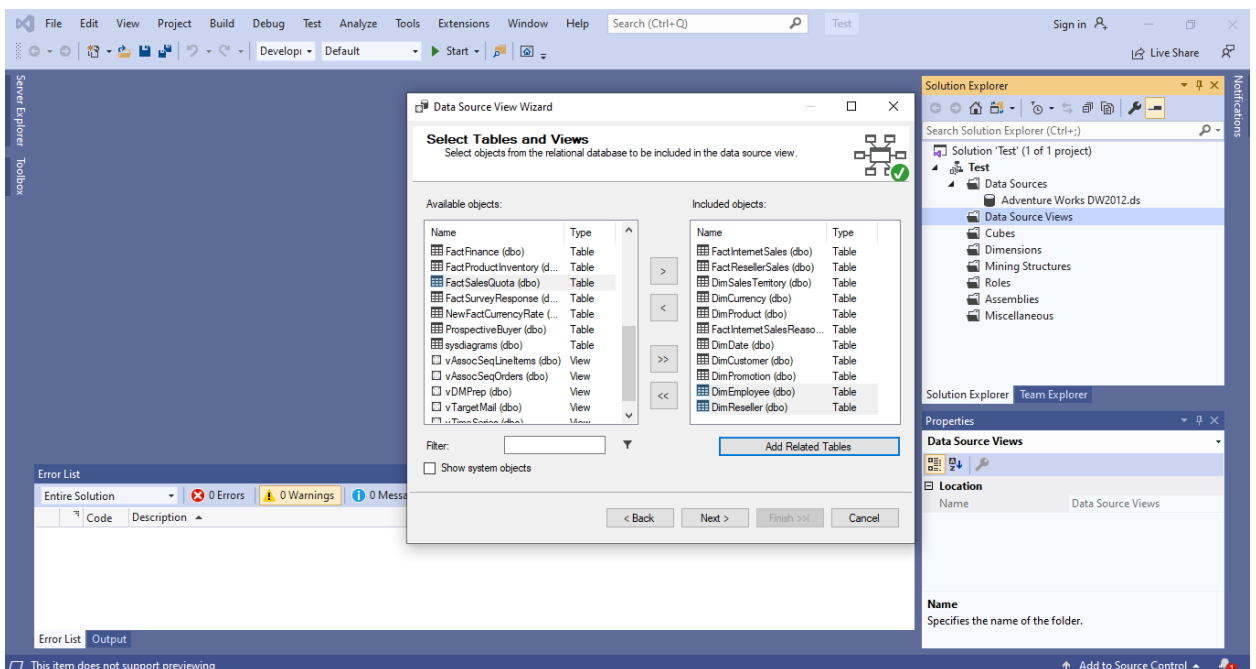
- Press Next => Press Finished

  - It will be Shown as