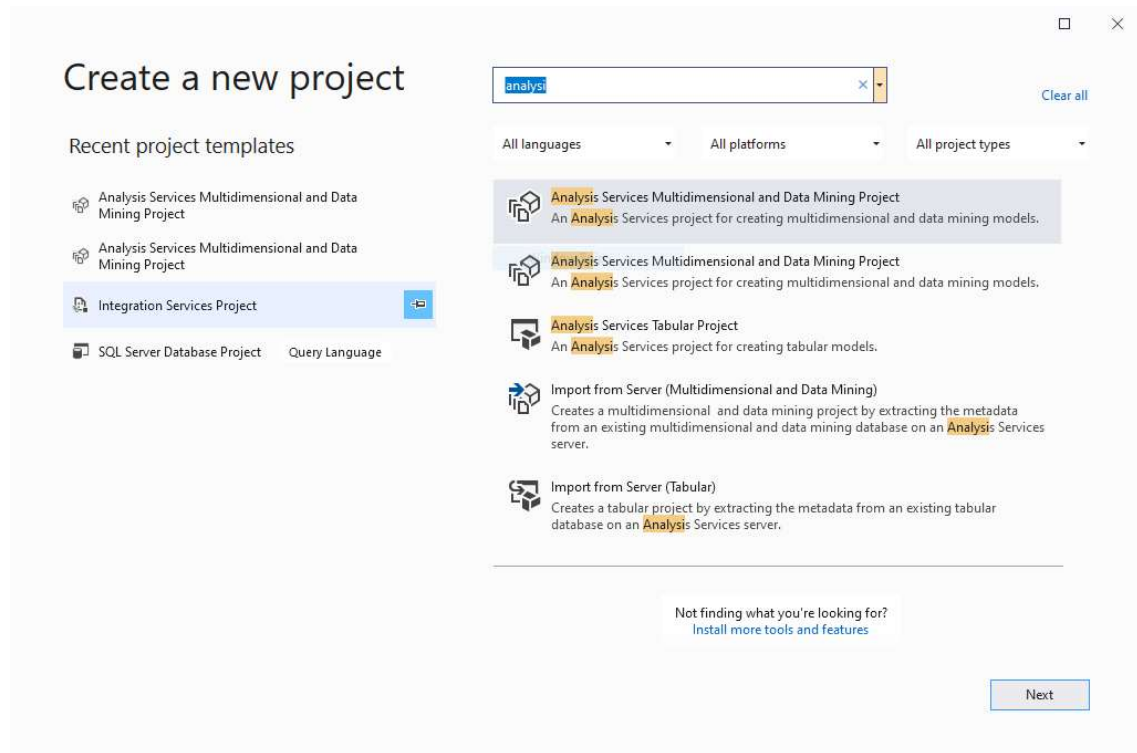
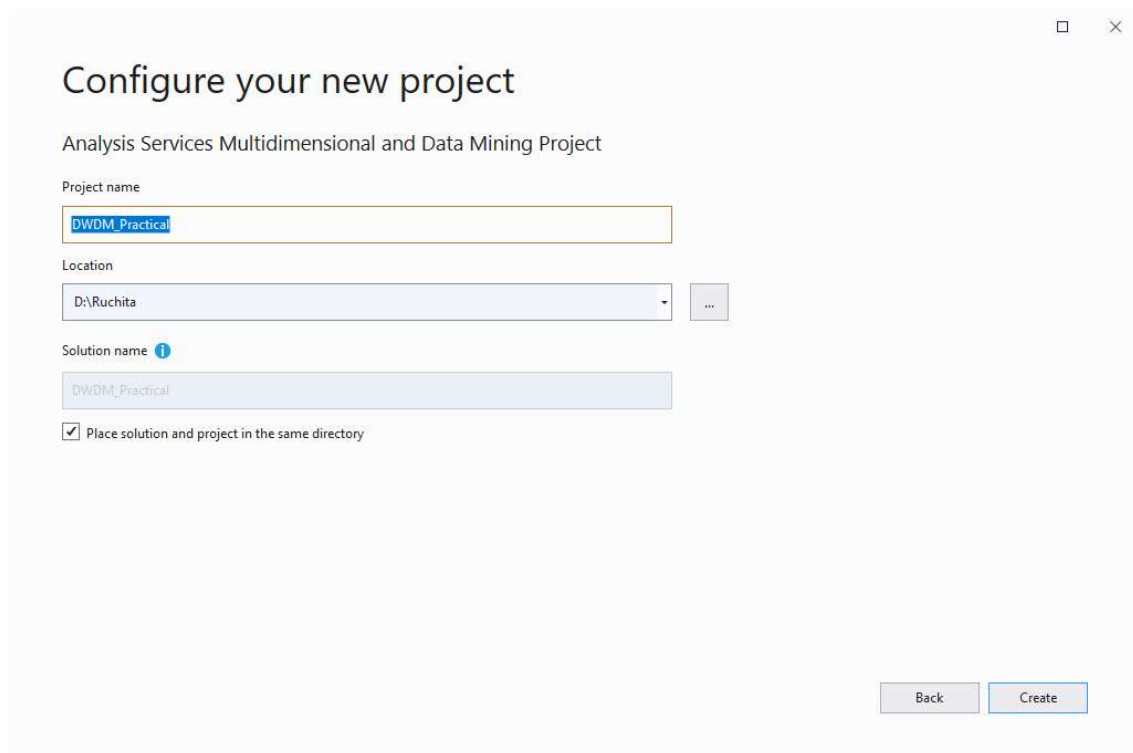


## DWDM Practical

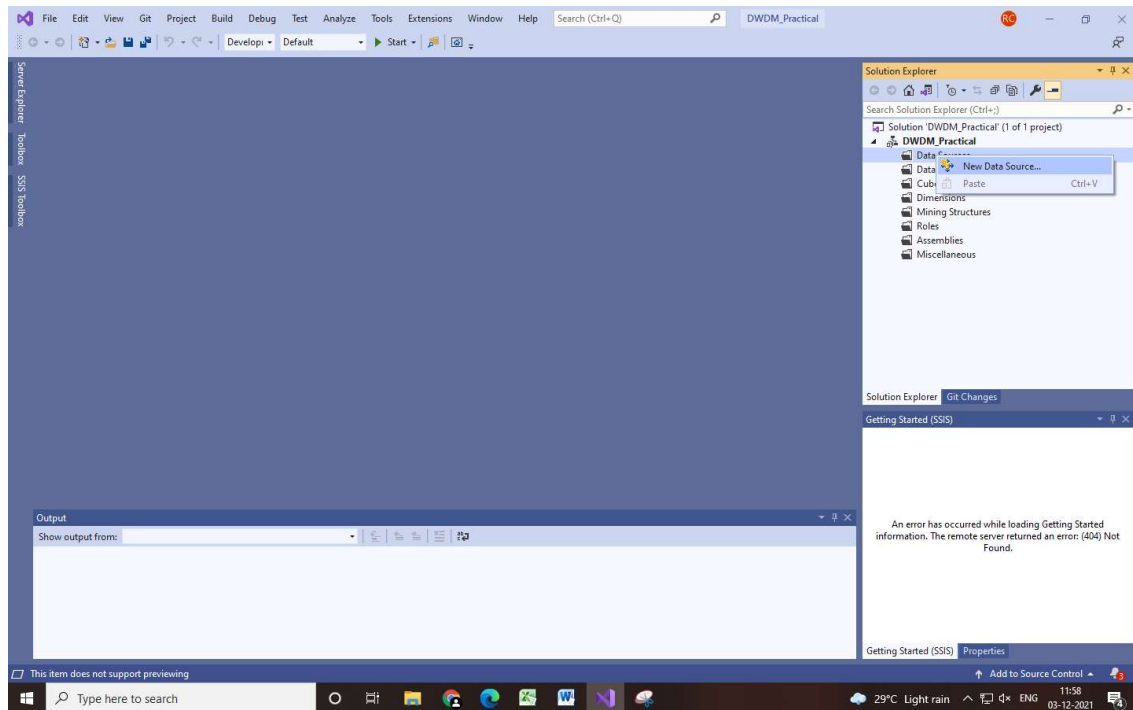
1. After selecting new project, search for “Analysis Services Multidimensional and Data Mining” then click on Next.



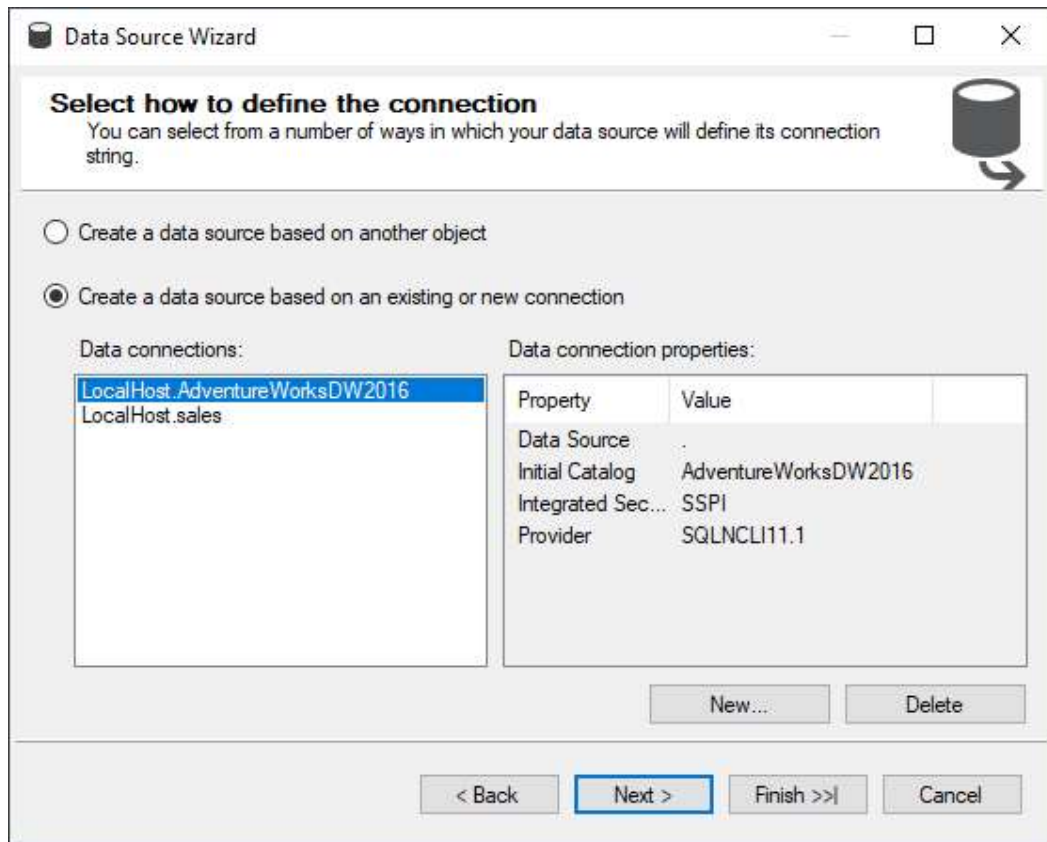
2. Name your project and select the location, then click on Create.



3. In the solution explorer, right click on “Data Source” and select “New Data Source”.

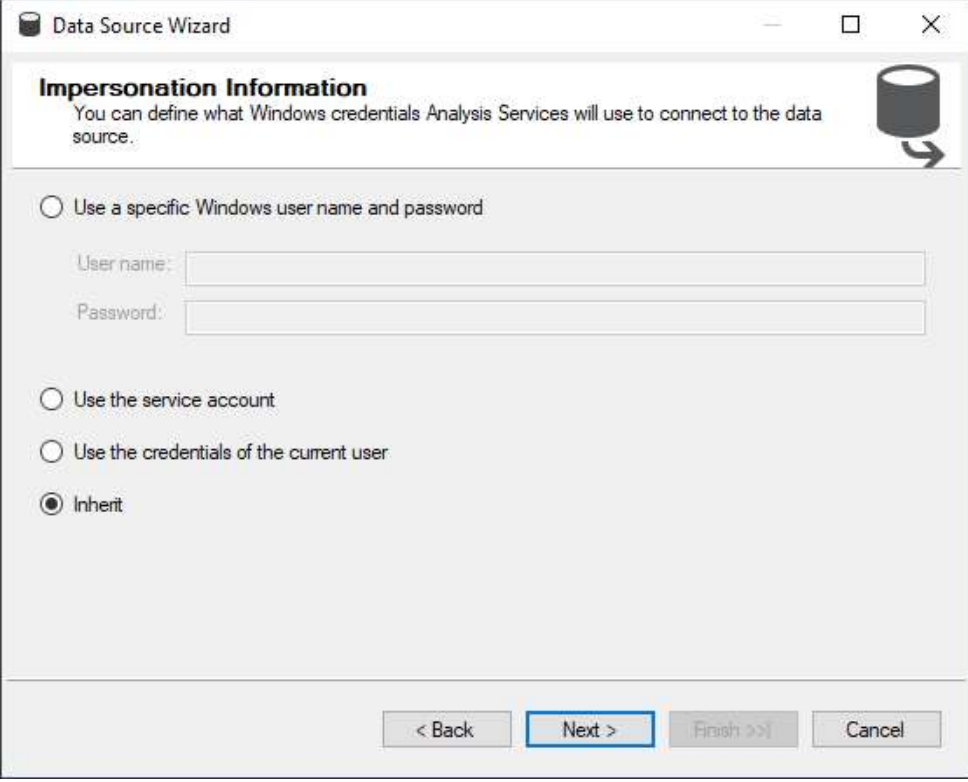


Follow the below steps one by one.



## DWDM Practical

Click on Next and select the “Inherit” and click on Next.



The screenshot shows the 'Data Source Wizard' window, specifically the 'Impersonation Information' step. The window title is 'Data Source Wizard'. The main heading is 'Impersonation Information' with a subtext: 'You can define what Windows credentials Analysis Services will use to connect to the data source.' There are four radio button options: 'Use a specific Windows user name and password' (unselected), 'Use the service account' (unselected), 'Use the credentials of the current user' (unselected), and 'Inherit' (selected). Below the first option are text boxes for 'User name:' and 'Password:'. At the bottom are buttons for '< Back', 'Next >', 'Finish >>', and 'Cancel'. A database icon with a curved arrow is in the top right corner.

**Data Source Wizard**

**Impersonation Information**  
You can define what Windows credentials Analysis Services will use to connect to the data source.

☐ Use a specific Windows user name and password

User name:

Password:

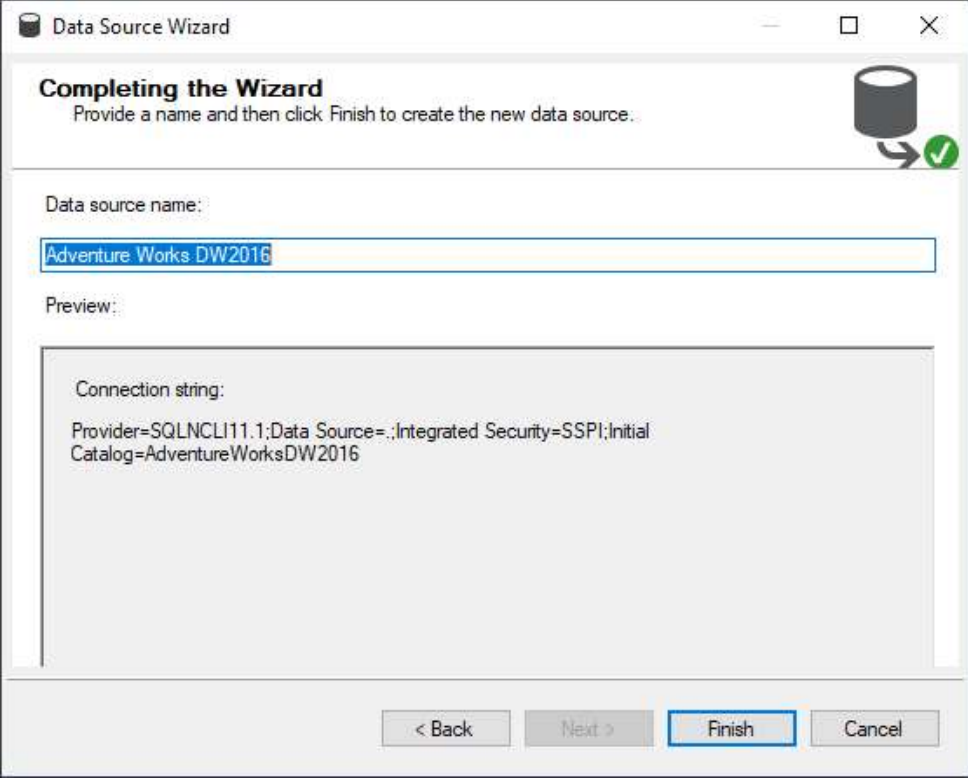
☐ Use the service account

☐ Use the credentials of the current user

☒ Inherit

< Back   Next >   Finish >>   Cancel

Rename the Data source name if required.



The screenshot shows the 'Data Source Wizard' window, specifically the 'Completing the Wizard' step. The window title is 'Data Source Wizard'. The main heading is 'Completing the Wizard' with a subtext: 'Provide a name and then click Finish to create the new data source.' There is a text box for 'Data source name:' containing 'Adventure Works DW2016'. Below it is a 'Preview:' section showing a 'Connection string:' with the text: 'Provider=SQLNCLI11.1;Data Source=.;Integrated Security=SSPI;Initial Catalog=AdventureWorksDW2016'. At the bottom are buttons for '< Back', 'Next >', 'Finish', and 'Cancel'. A database icon with a curved arrow and a green checkmark is in the top right corner.

**Data Source Wizard**

**Completing the Wizard**  
Provide a name and then click Finish to create the new data source.

Data source name:

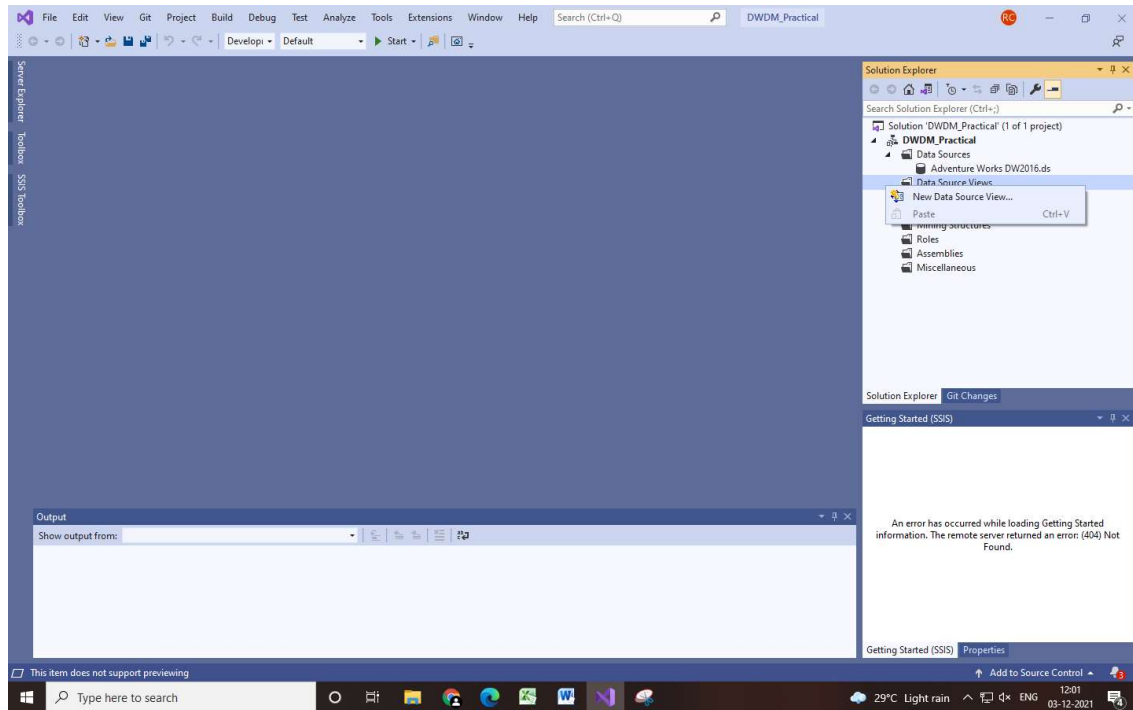
Preview:

Connection string:  
Provider=SQLNCLI11.1;Data Source=.;Integrated Security=SSPI;Initial Catalog=AdventureWorksDW2016

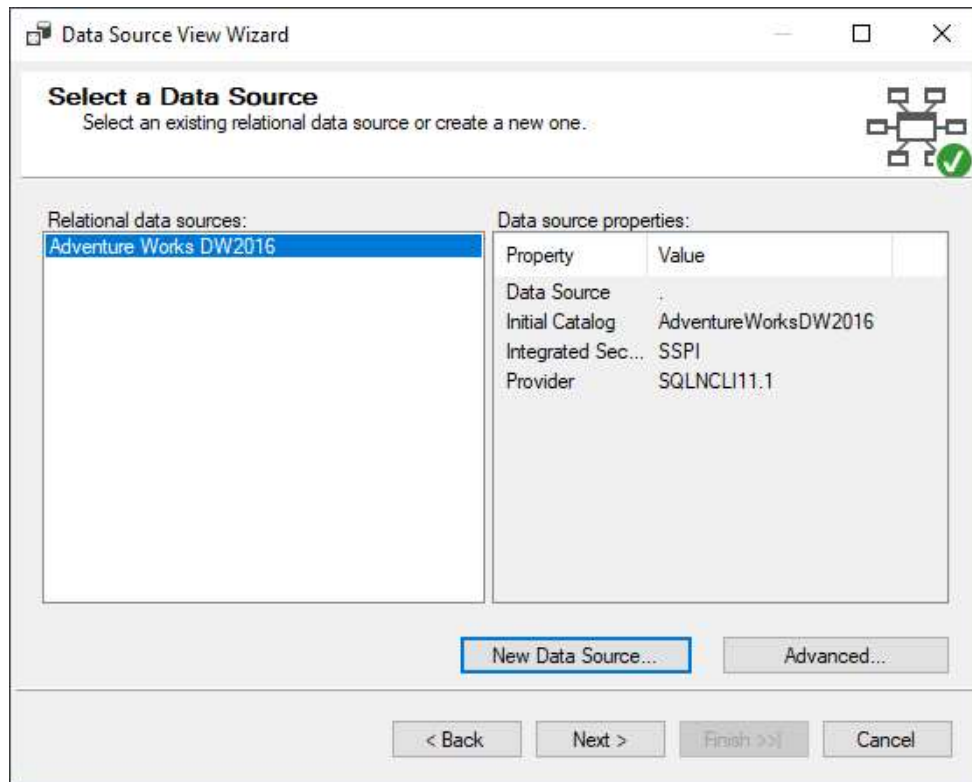
< Back   Next >   Finish   Cancel

## DWDM Practical

4. In the solution explorer, right click on “Data Source views” and select “New Data Source View”.



Select your Data Source and click on Next.



Search by particular table names as required using the Filter option.

**Data Source View Wizard**

**Select Tables and Views**  
Select objects from the relational database to be included in the data source view.

Available objects:

Name	Type
FactInternetSalesReason (dbo)	Table
DimSalesReason (dbo)	Table
FactInternetSales (dbo)	Table
FactSalesQuota (dbo)	Table
DimSalesTerritory (dbo)	Table
FactResellerSales (dbo)	Table

Filter:

☐ Show system objects

Included objects:

Name	Type
------	------

Select the required tables and move to the right hand side and click on Next.

**Data Source View Wizard**

**Select Tables and Views**  
Select objects from the relational database to be included in the data source view.

Available objects:

Name	Type
------	------

Filter:

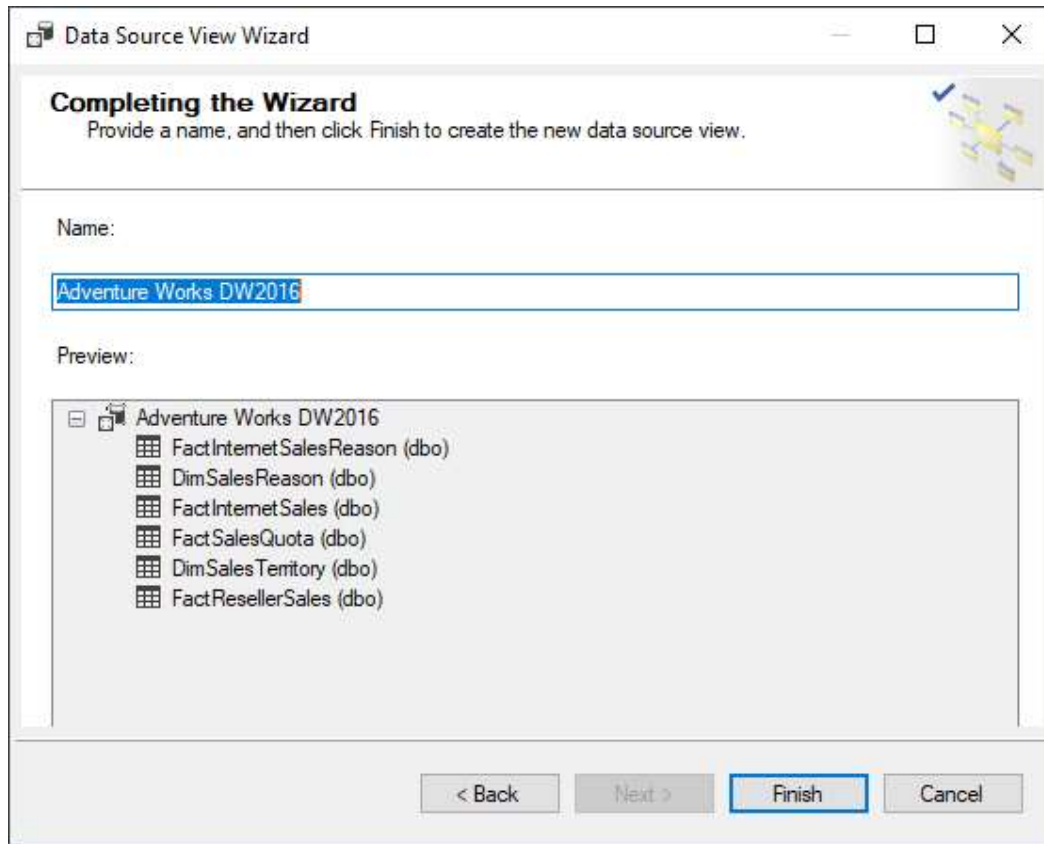
☐ Show system objects

Included objects:

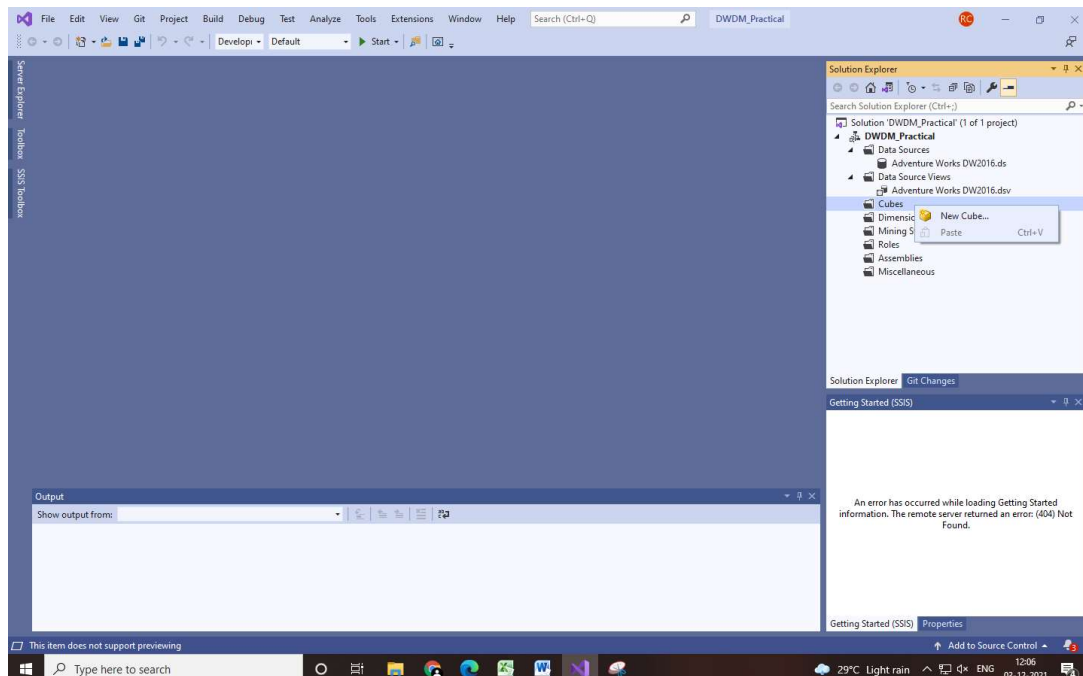
Name	Type
FactInternetSalesReason (dbo)	Table
DimSalesReason (dbo)	Table
FactInternetSales (dbo)	Table
FactSalesQuota (dbo)	Table
DimSalesTerritory (dbo)	Table
FactResellerSales (dbo)	Table

## DWDM Practical

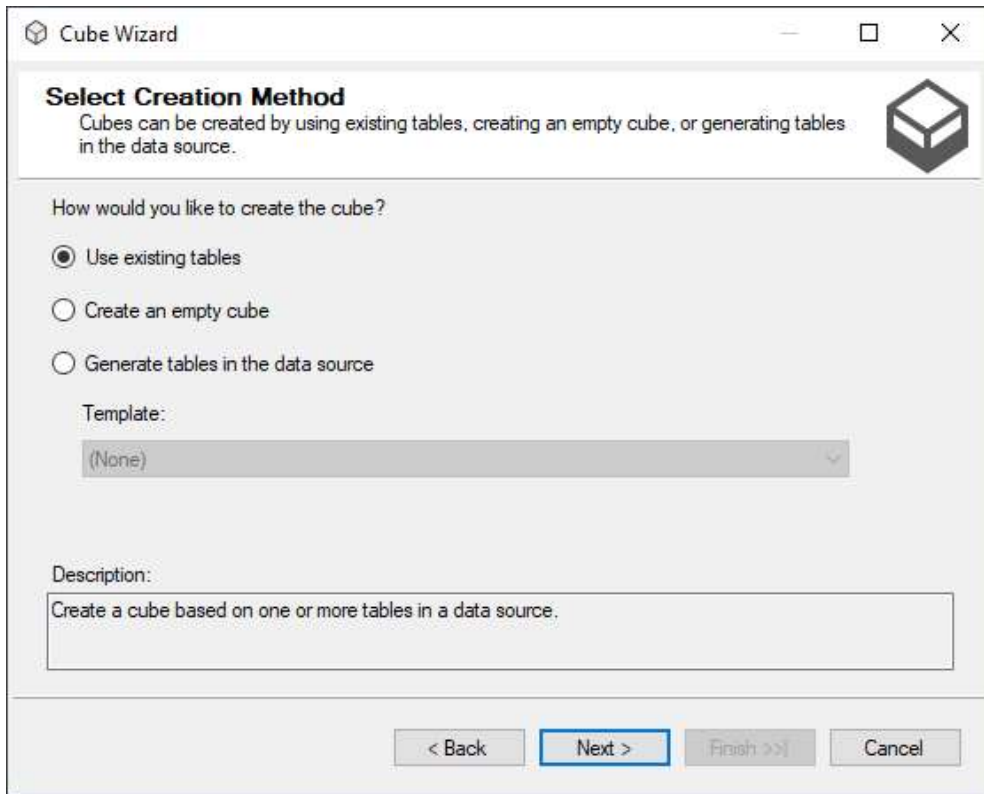
Click on Finish.



5. In the solution explorer, right click on “Cubes” and select “New Cube”.

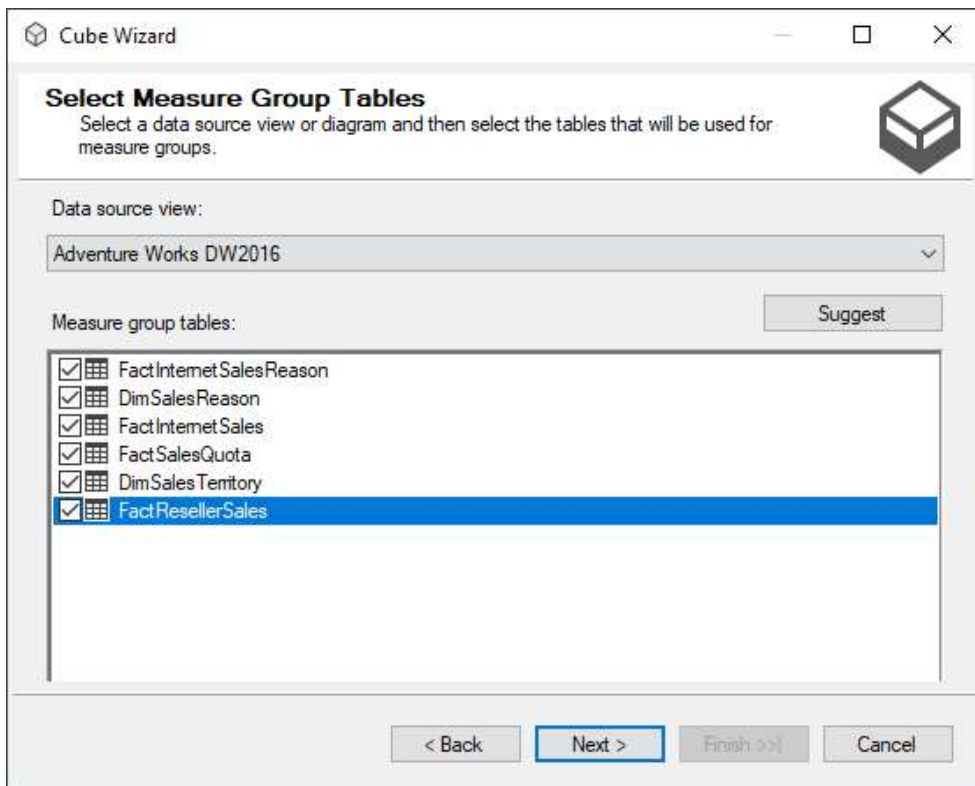


Select the first option “Use existing tables” and click on Next.



The image shows the 'Cube Wizard' dialog box, specifically the 'Select Creation Method' step. The title bar reads 'Cube Wizard'. The main heading is 'Select Creation Method' with a subtitle: 'Cubes can be created by using existing tables, creating an empty cube, or generating tables in the data source.' There is a cube icon in the top right corner. The question 'How would you like to create the cube?' is followed by three radio button options: 'Use existing tables' (which is selected), 'Create an empty cube', and 'Generate tables in the data source'. Below these is a 'Template:' dropdown menu currently showing '(None)'. A 'Description:' text box contains the text 'Create a cube based on one or more tables in a data source.' At the bottom are four buttons: '< Back', 'Next >' (highlighted with a blue border), 'Finish >>', and 'Cancel'.

Select the tables and click on Next.



The image shows the 'Cube Wizard' dialog box, specifically the 'Select Measure Group Tables' step. The title bar reads 'Cube Wizard'. The main heading is 'Select Measure Group Tables' with a subtitle: 'Select a data source view or diagram and then select the tables that will be used for measure groups.' There is a cube icon in the top right corner. The 'Data source view:' dropdown menu shows 'Adventure Works DW2016'. Below this is a 'Measure group tables:' list box containing several tables, each with a checkbox and a small table icon. The tables are: FactInternetSalesReason, DimSalesReason, FactInternetSales, FactSalesQuota, DimSalesTerritory, and FactResellerSales. The 'FactResellerSales' table is selected and highlighted in blue. A 'Suggest' button is located to the right of the list box. At the bottom are four buttons: '< Back', 'Next >' (highlighted with a blue border), 'Finish >>', and 'Cancel'.



Click on Next.

**Cube Wizard**

**Select Measures**  
Select measures that you want to include in the cube.

☒ Measure

- ☒ **Fact Internet Sales Reason**
  - ☒ Fact Internet Sales Reason Count
- ☒ Dim Sales Reason
  - ☒ Sales Reason Alternate Key
  - ☒ Dim Sales Reason Count
- ☒ Fact Internet Sales
  - ☒ Product Key
  - ☒ Order Date Key
  - ☒ Due Date Key
  - ☒ Ship Date Key
  - ☒ Customer Key
  - ☒ Promotion Key
  - ☒ Currency Key
  - ☒ Revision Number
  - ☒ Order Quantity
  - ☒ Unit Price

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

Click on Next.

**Cube Wizard**

**Select New Dimensions**  
Select new dimensions to be created, based on available tables.

☒ Dimension

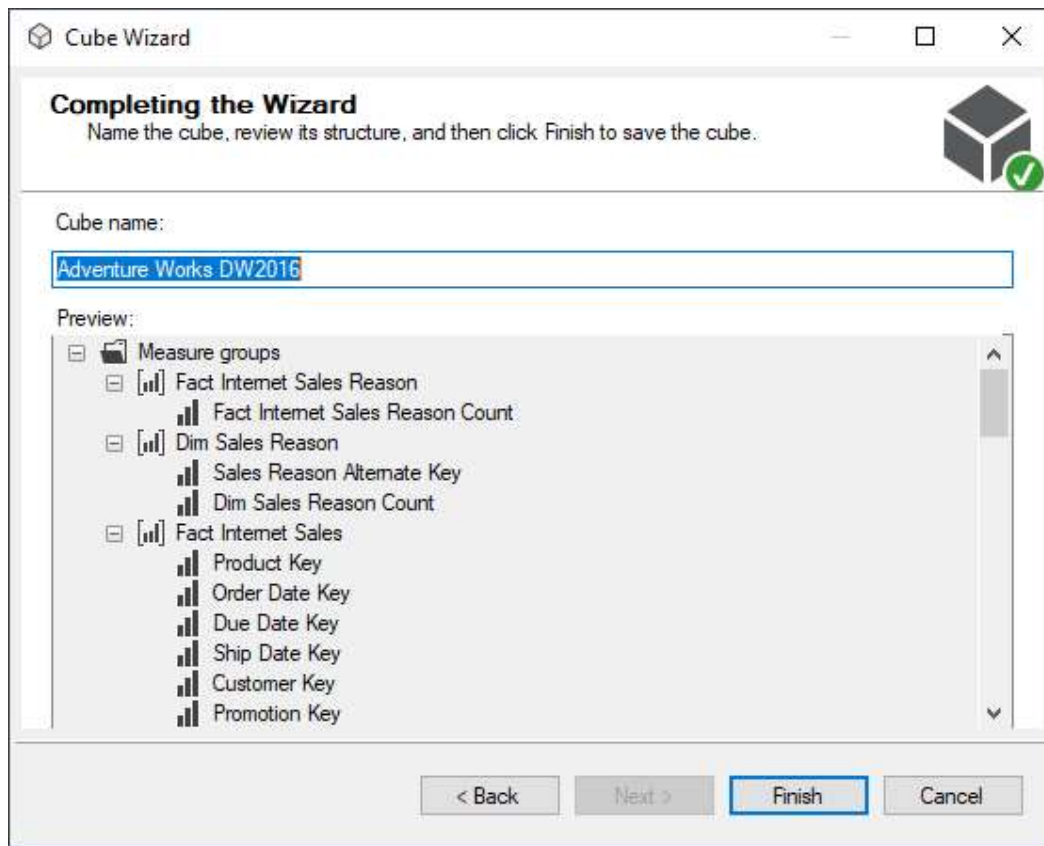
- ☒ **Fact Internet Sales**
  - ☒ FactInternetSales
- ☒ Dim Sales Reason
  - ☒ DimSalesReason
- ☒ Dim Sales Territory
  - ☒ DimSalesTerritory
- ☒ Fact Sales Quota
  - ☒ FactSalesQuota
- ☒ Fact Reseller Sales
  - ☒ FactResellerSales

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

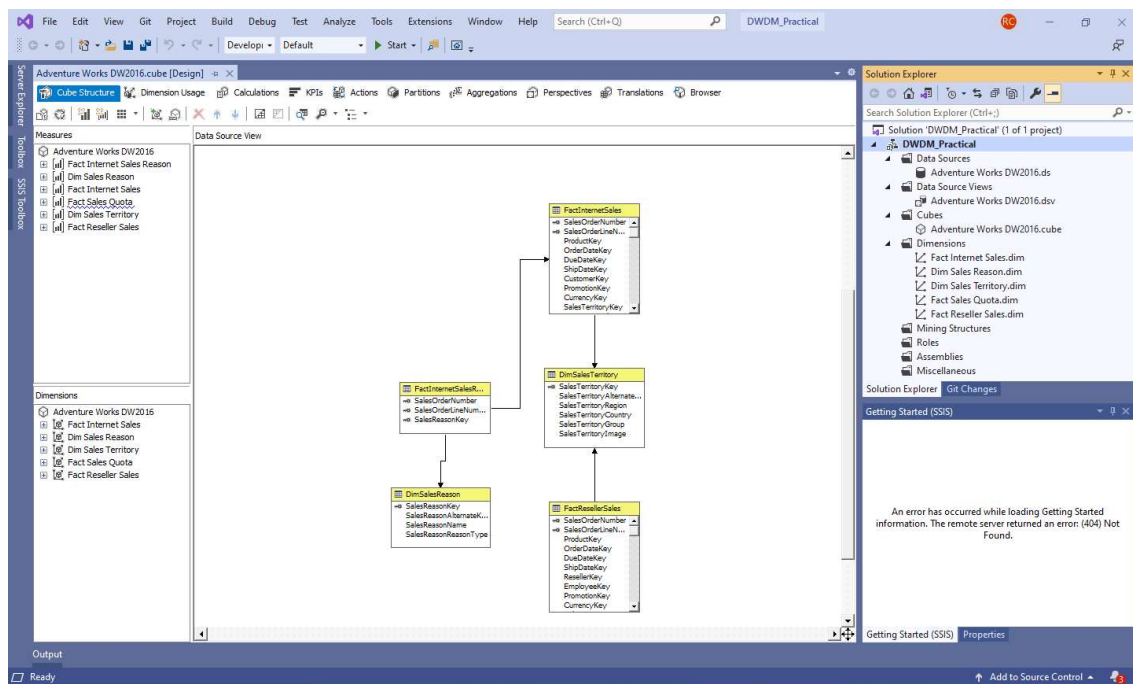


## DWDM Practical

Click on Finish.

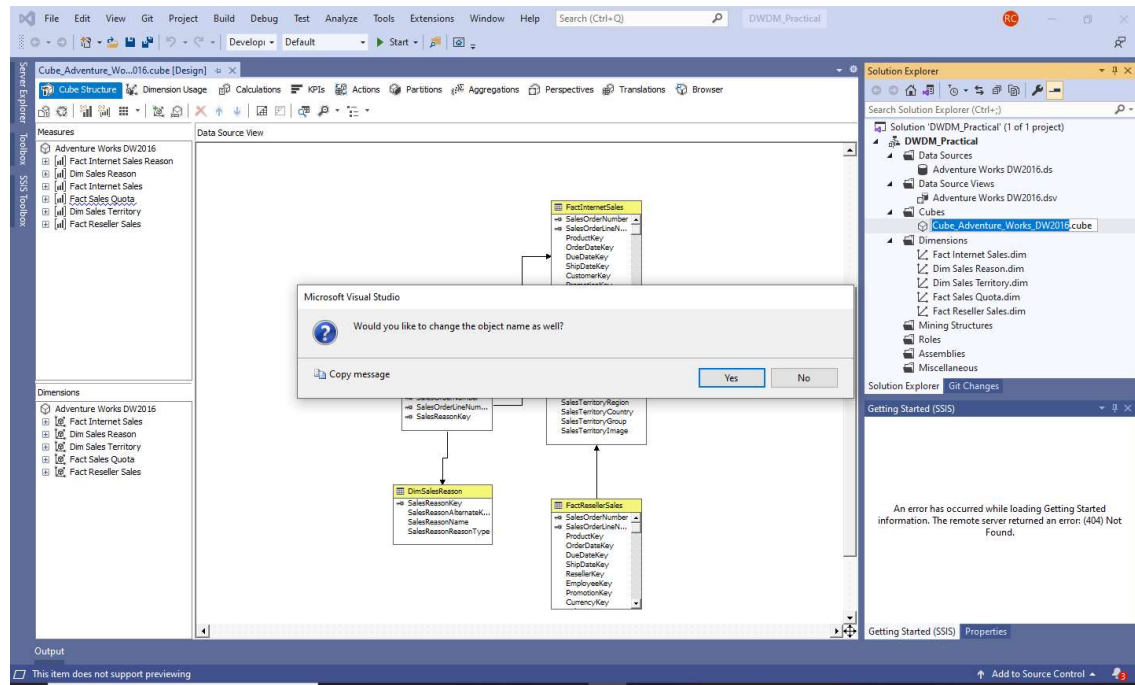


6. Then you will get the below screen showing cube representation.

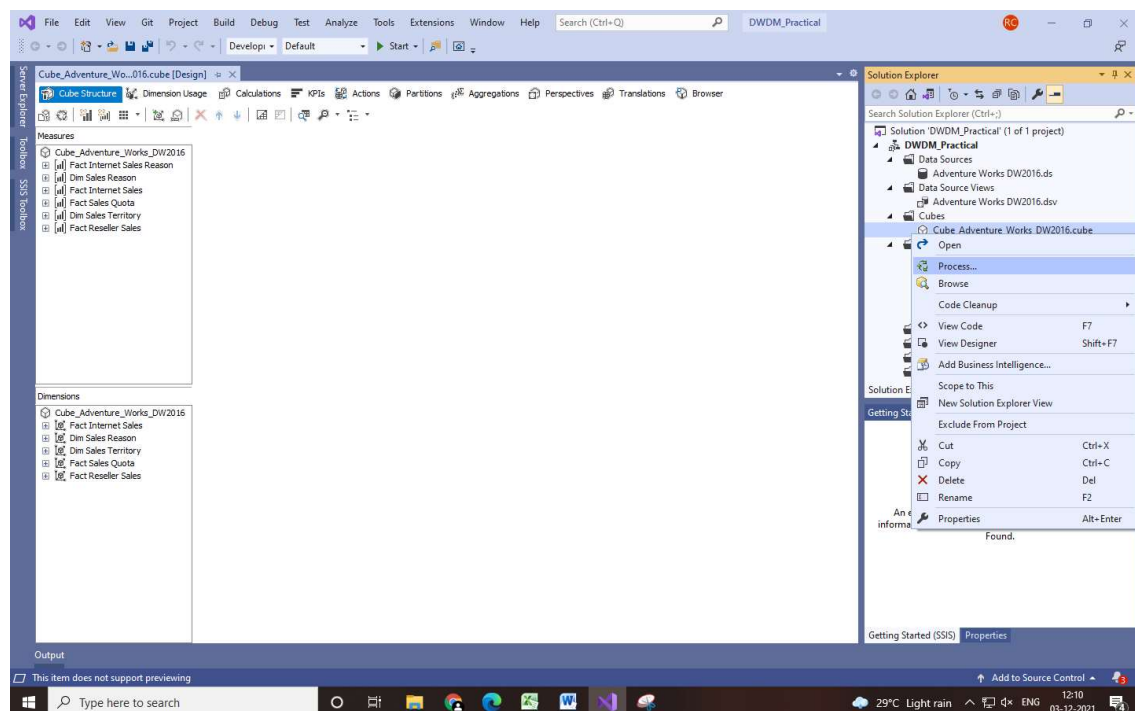


## DWDM Practical

Rename cube name and proceed.

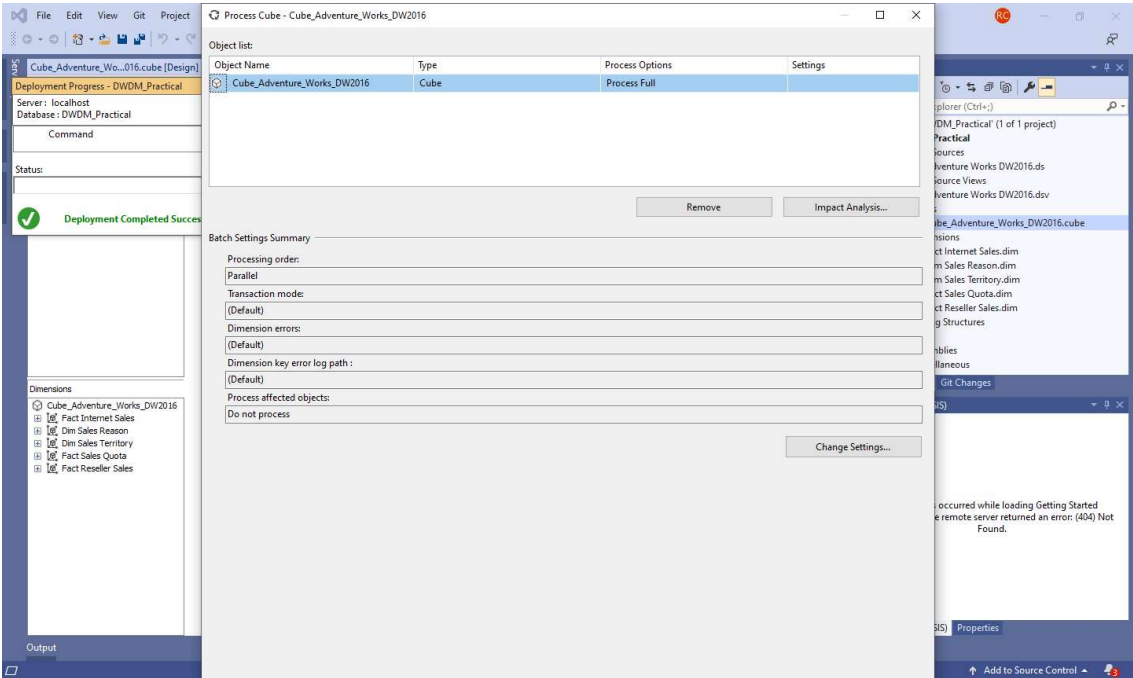


Right click on cube and click on process.

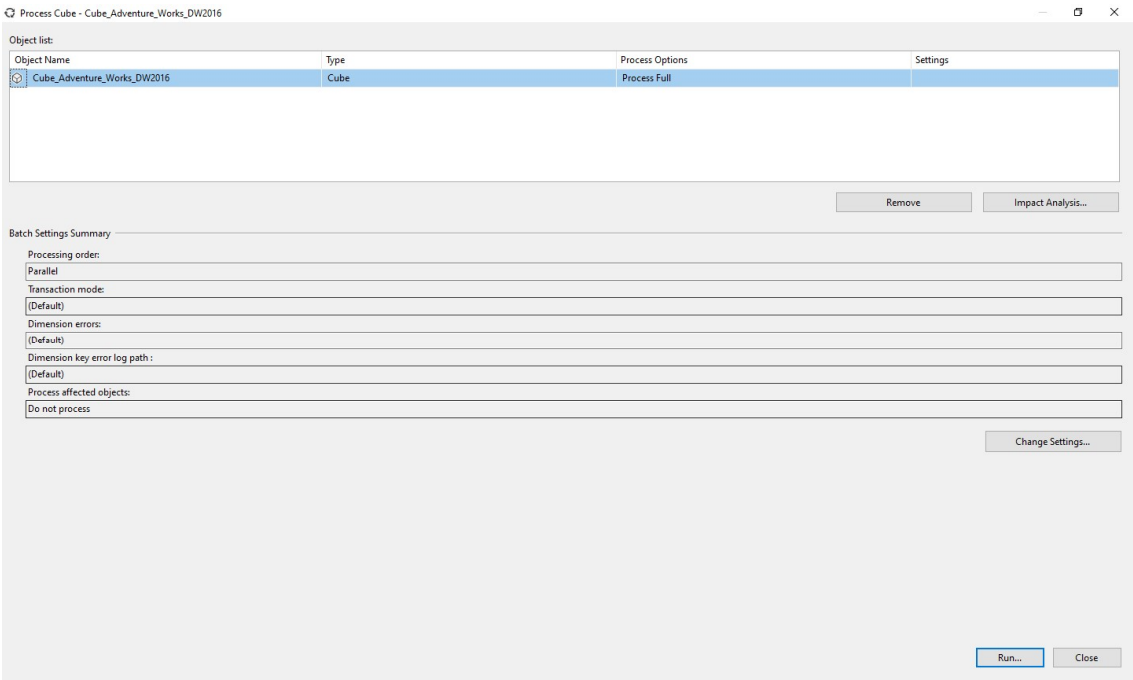


Processing will start and you will get the below window.

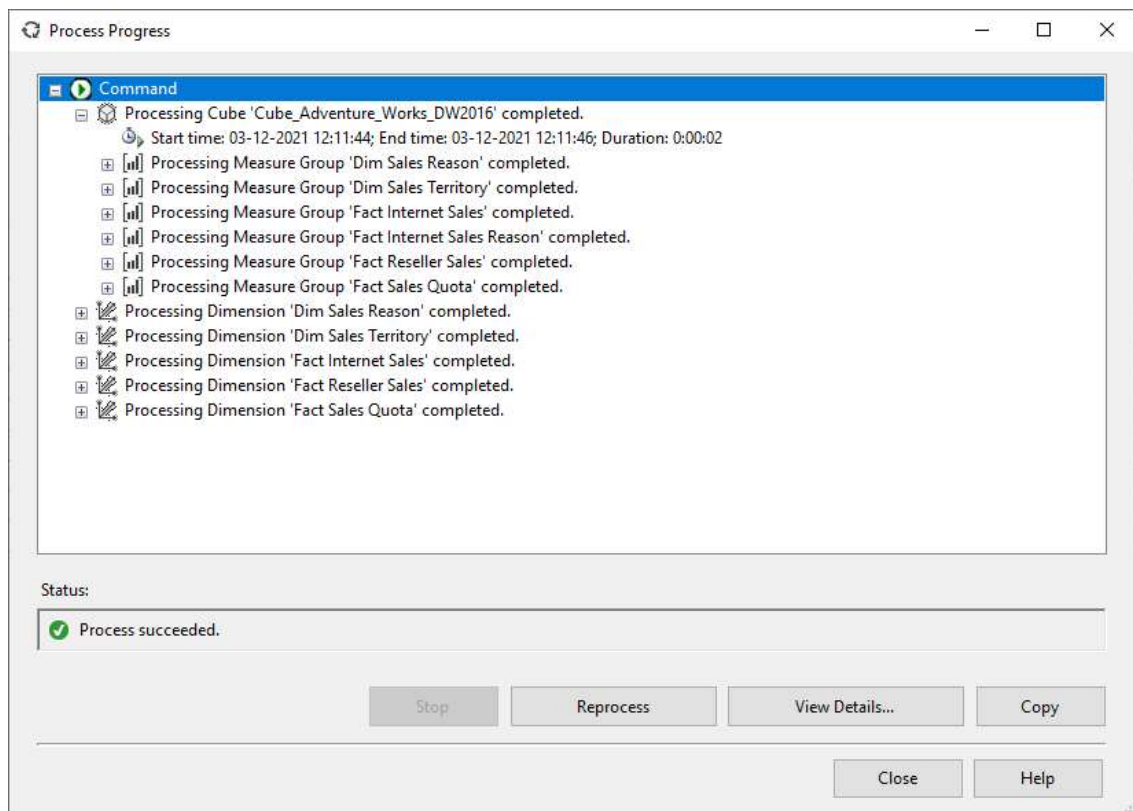
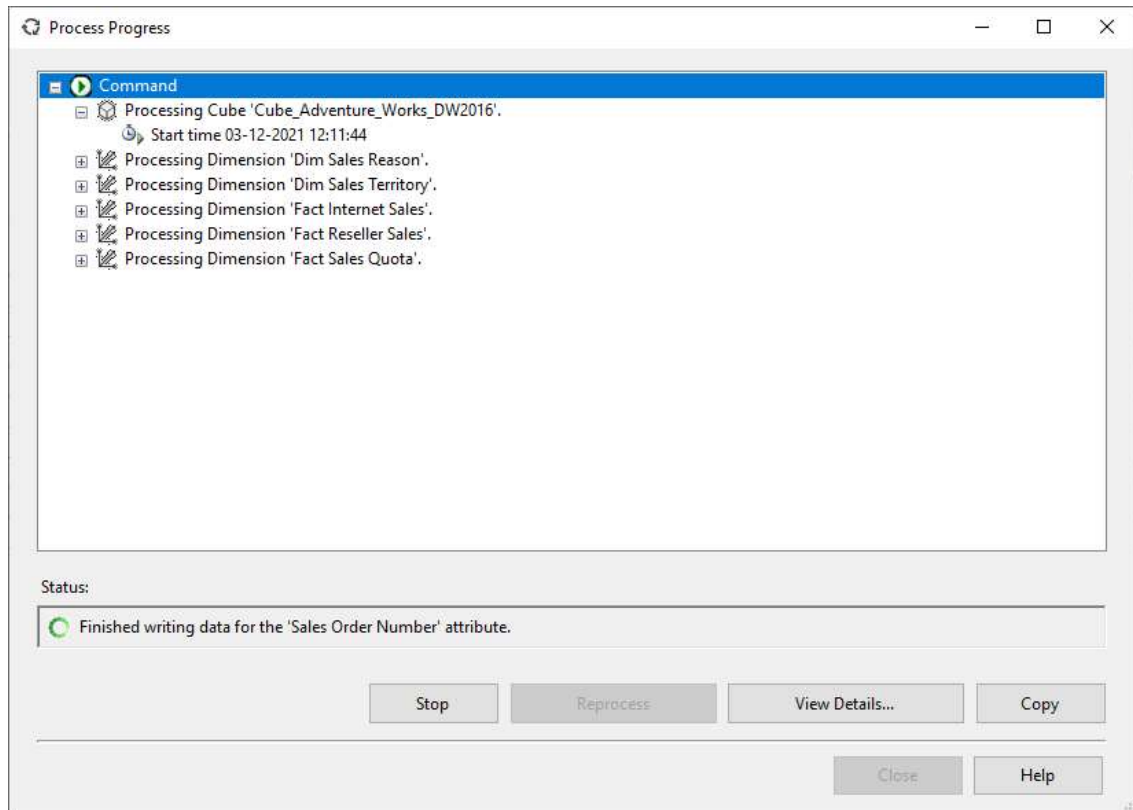
DWDM Practical



Maximize the window and click on Run.

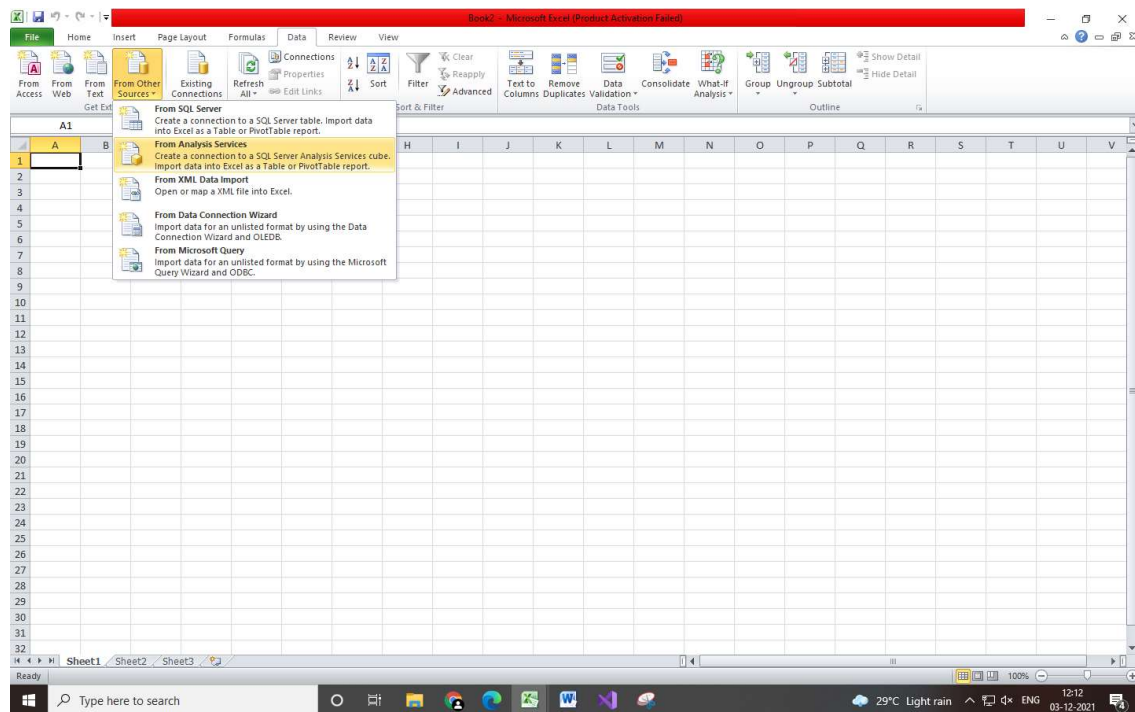


## DWDM Practical



## DWDM Practical

### 7. Open Excel sheet, go to Data tab and click on “From analysis Services”



Make the connection.

A screenshot of the 'Data Connection Wizard' dialog box, specifically the 'Connect to Database Server' step. The dialog box has a title bar with a question mark and a close button. Below the title, it says 'Connect to Database Server' and 'Enter the information required to connect to the database server.' There is a green icon of a database server. The first step is '1. Server name:' followed by a text input field containing a period. The second step is '2. Log on credentials' with two radio button options: 'Use Windows Authentication' (which is selected) and 'Use the following User Name and Password'. Below these are text input fields for 'User Name:' and 'Password:'. At the bottom, there are four buttons: 'Cancel', '< Back', 'Next >', and 'Finish'. The 'Next >' button is highlighted with a blue border.

Click on Next.


**Data Connection Wizard** ? X

**Select Database and Table**

Select the Database and Table/Cube which contains the data you want.

Select the database that contains the data you want:  
 DWDM\_MultidimensionalProject1 ▼

☒ Connect to a specific cube or table:

Name	Description	Modified	Created	Type
 Cube_Adventure_Works_DW2016		12/3/2021 11:29:12 AM		CUBE

Cancel < Back **Next >** Finish

**Data Connection Wizard** ? X

**Save Data Connection File and Finish**

Enter a name and description for your new Data Connection file, and press Finish to save.

File Name:  
 . DWDM\_MultidimensionalProject1 Cube\_Adventure\_Works\_DW2016.odc Browse...

☐ Save password in file

Description:  
 (To help others understand what your data connection points to)

Friendly Name:  
 . DWDM\_MultidimensionalProject1 Cube\_Adventure\_Works\_DW2016

Search Keywords:

☐ Always attempt to use this file to refresh data

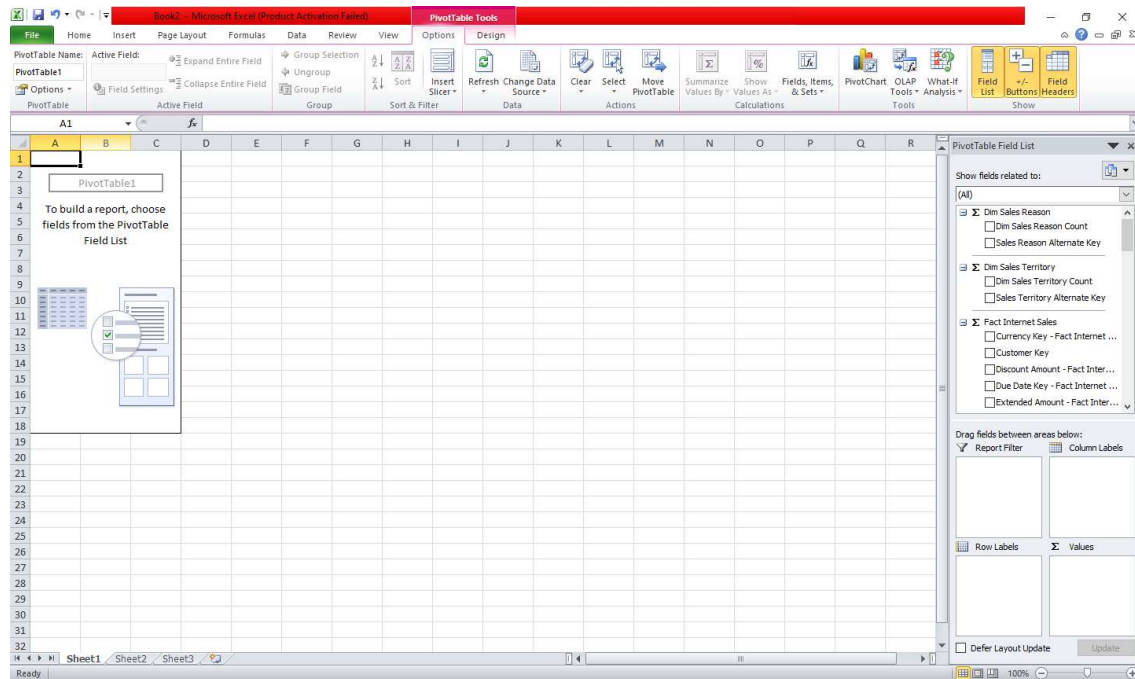
Excel Services: Authentication Settings...

Cancel < Back **Next >** Finish

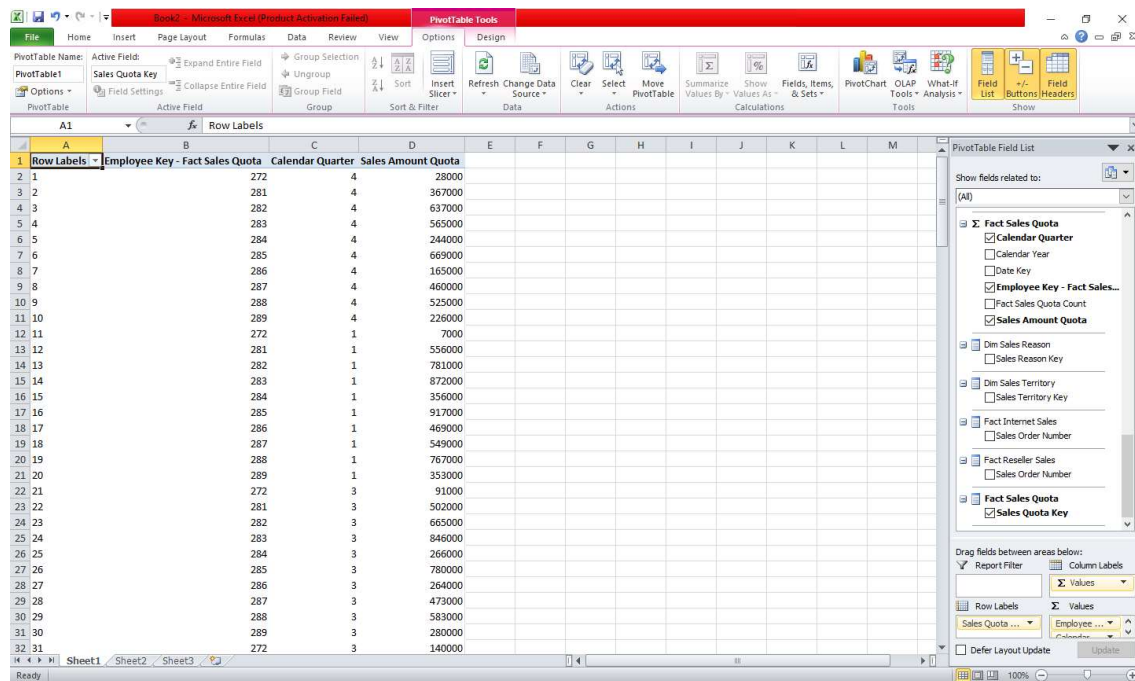
8. You will get the final representation.



## DWDM Practical



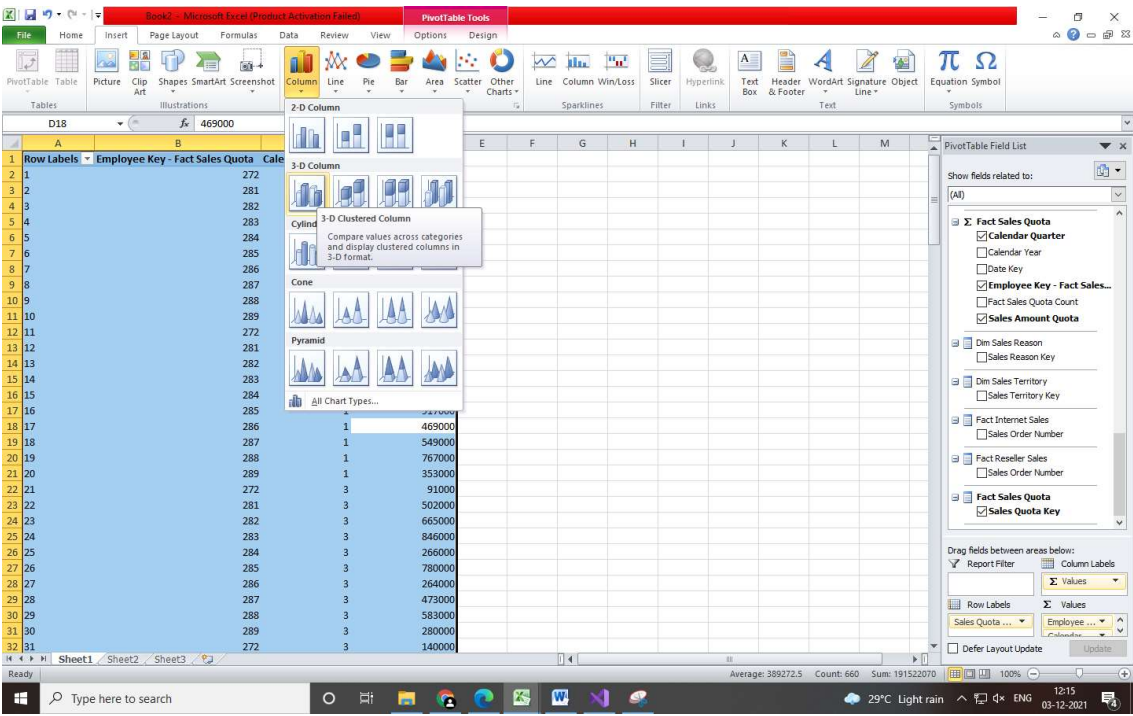
Select the tables from right hand side.



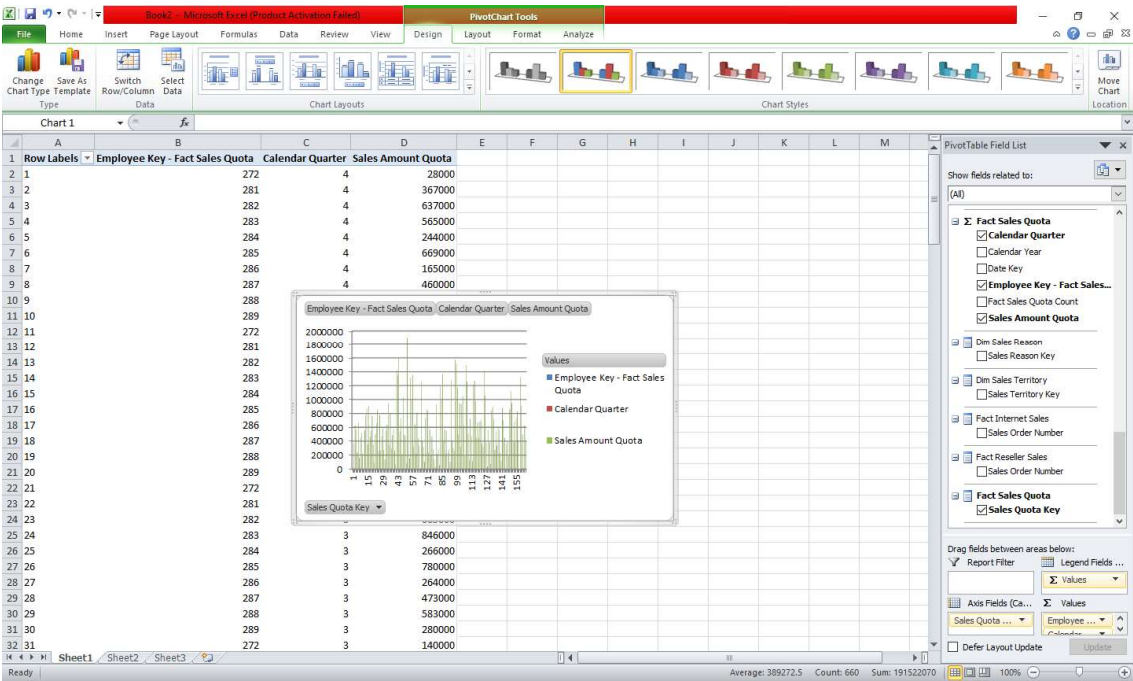
9. Select all and click on Insert tab and select options from Column



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You will get the final output as a graph show below.



DWDM Practical

