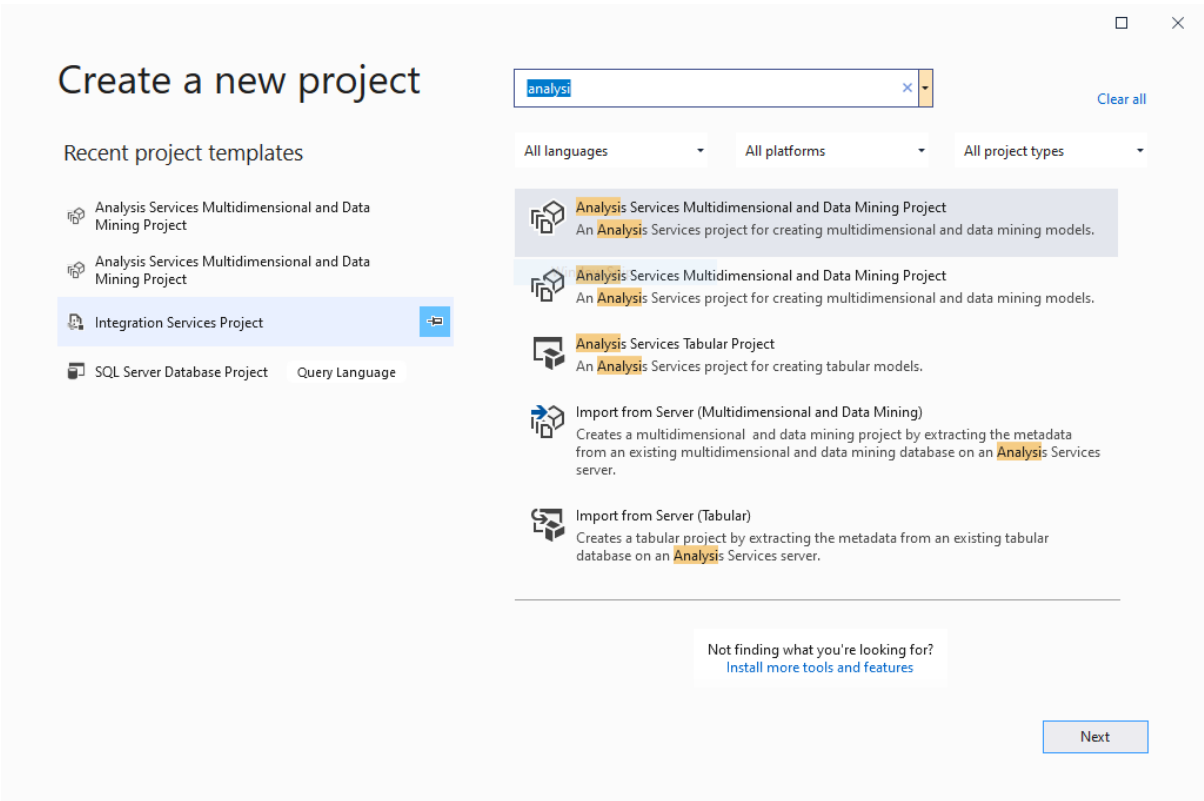


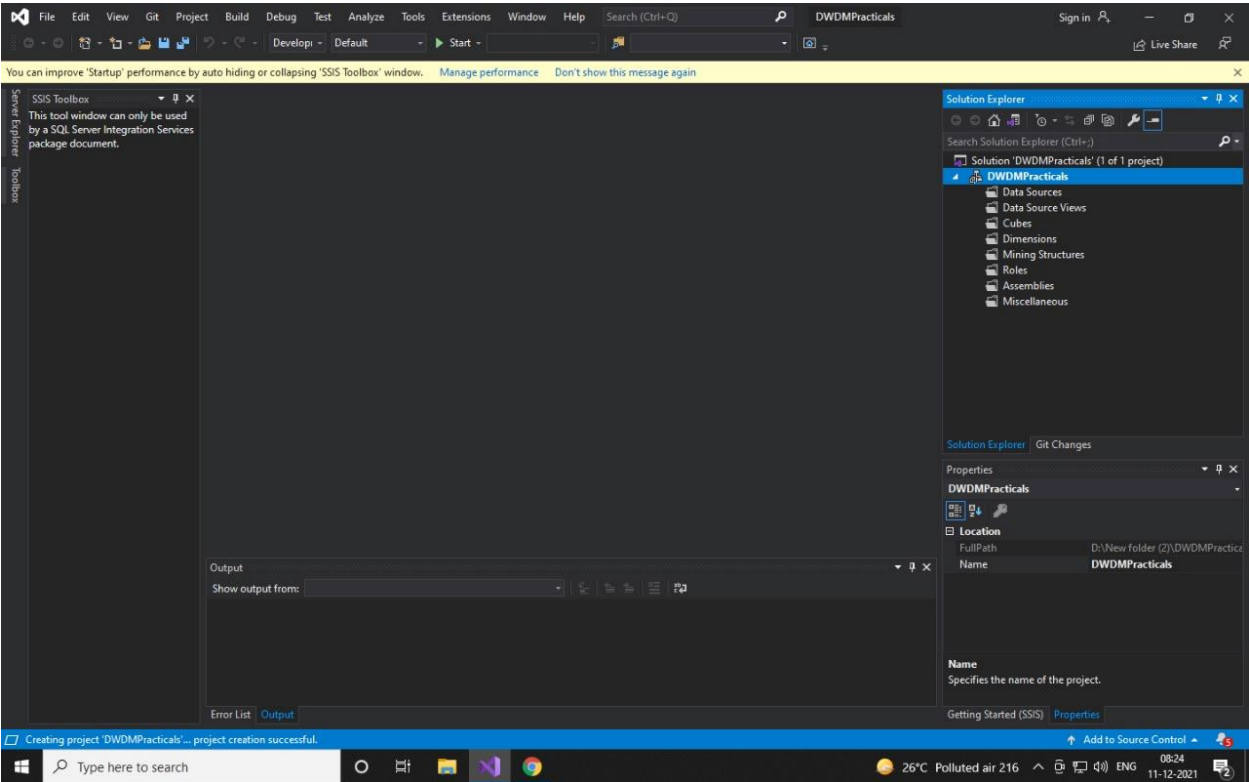
DWDM Practical 1

After selecting new project, search for ‘Analysis Services Multidimensional and Data Mining’ then click on next.

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



In the solution explorer, right click on ‘Data Source’ and select ‘ New Data Source’.



Select how to define the connection for Data Source Wizard.

Data Source Wizard

Select how to define the connection

You can select from a number of ways in which your data source will define its connection string.

☐ Create a data source based on another object

☒ Create a data source based on an existing or new connection

Data connections:

BSC-1.AdventureWorks2016

BSC-1.AdventureWorksDW2016

bsc-1.DWConfiguration

Data connection properties:

Property	Value
Data Source	BSC-1
Initial Catalog	AdventureWorksDW2016
Integrated Sec...	SSPI
Provider	SQLNCLI11.1

New...

Delete

< Back

Next >

Finish >>|

Cancel

Select Inherit and click Next.

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

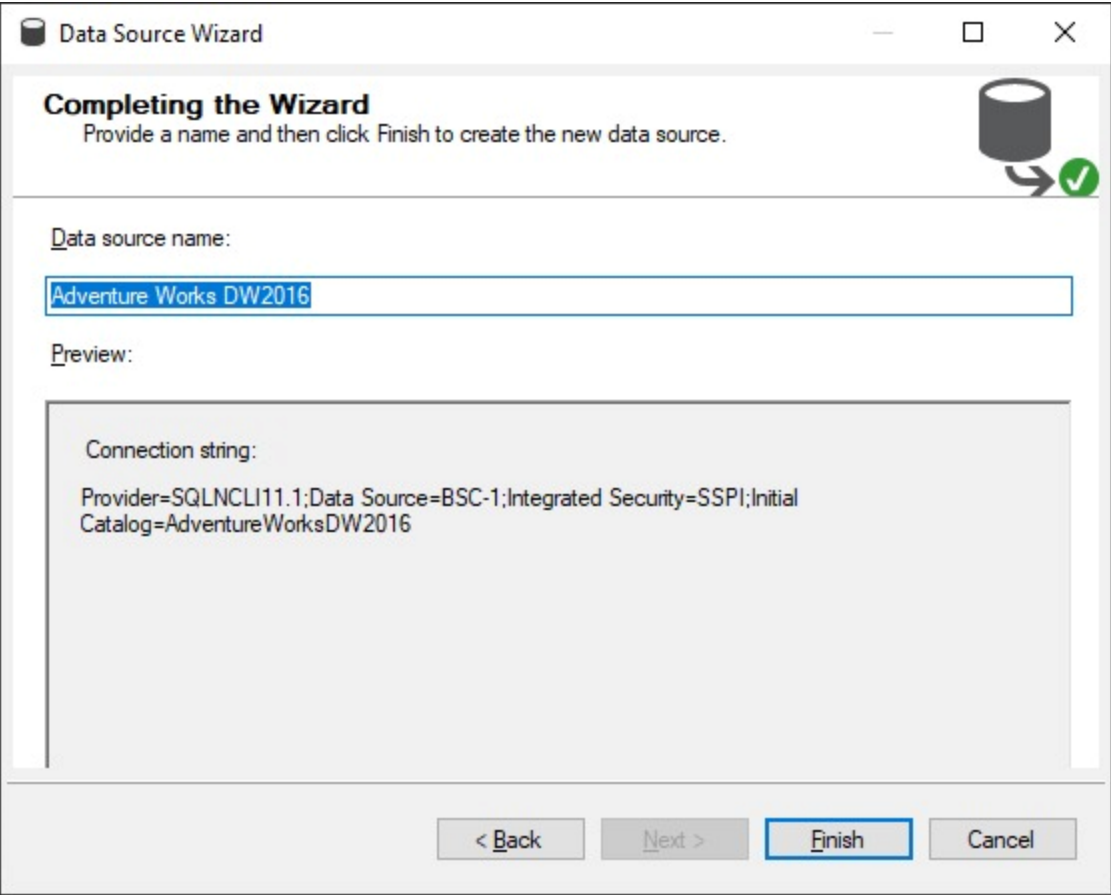
< Back

Next >

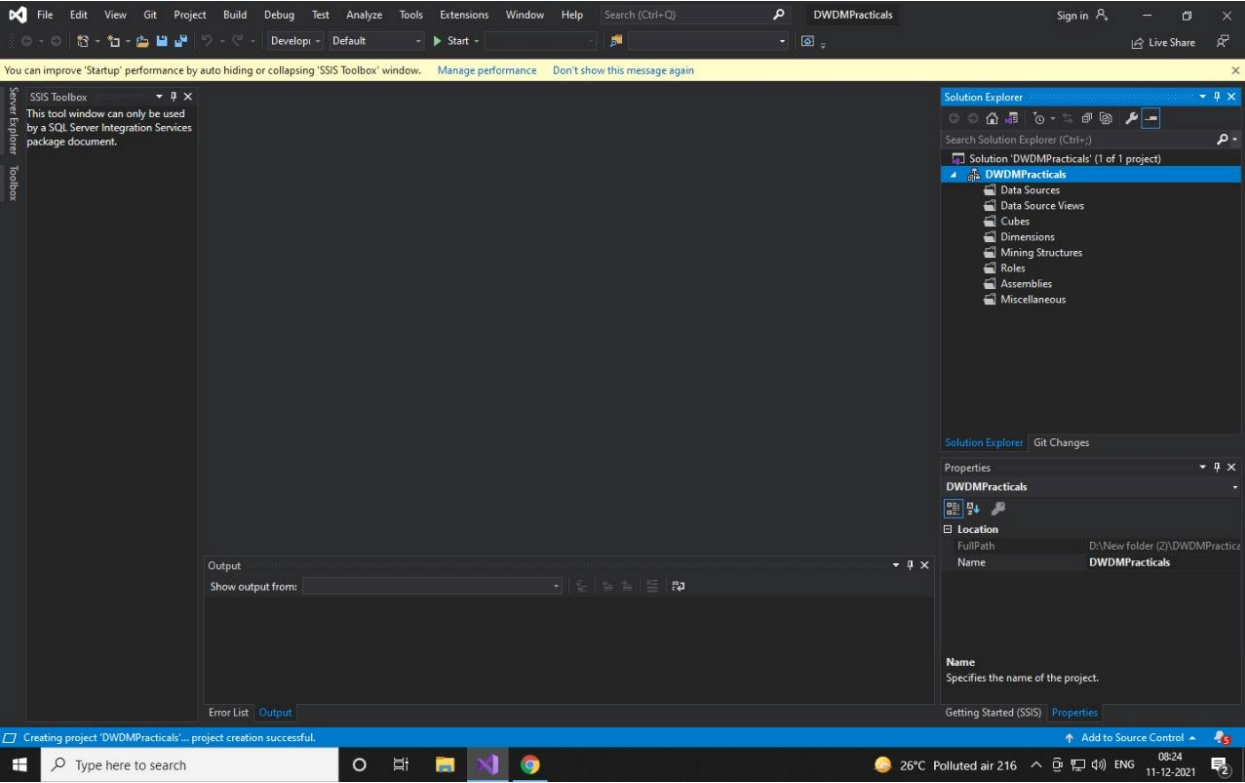
Finish >>|

Cancel

Click Finish.



In the solution explorer, right click on Data Source View and Select New Data Source View



Select your Data Source and Click on Next.

**Data Source View Wizard**

**Select a Data Source**  
Select an existing relational data source or create a new one.

Relational data sources:  
Adventure Works DW2016

Data source properties:

Property	Value
Data Source	BSC-1
Initial Catalog	AdventureWorksDW2016
Integrated Sec...	SSPI
Provider	SQLNCLI11.1

New Data Source... Advanced...

< Back Next > Finish >> Cancel

Search required tables 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...	Table
DimSalesReason (dbo)	Table
FactInternetSales (dbo)	Table
FactSalesQuota (dbo)	Table
DimSalesTerritory (dbo)	Table
FactResellerSales (dbo)	Table

Filter: sales

Show system objects

Included objects:

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

Add Related Tables

< Back Next > Finish >> Cancel

Select the required tables and move to the right-hand side using the > button 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

Add Related Tables

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

Now Click Finish.

**Data Source View Wizard**

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

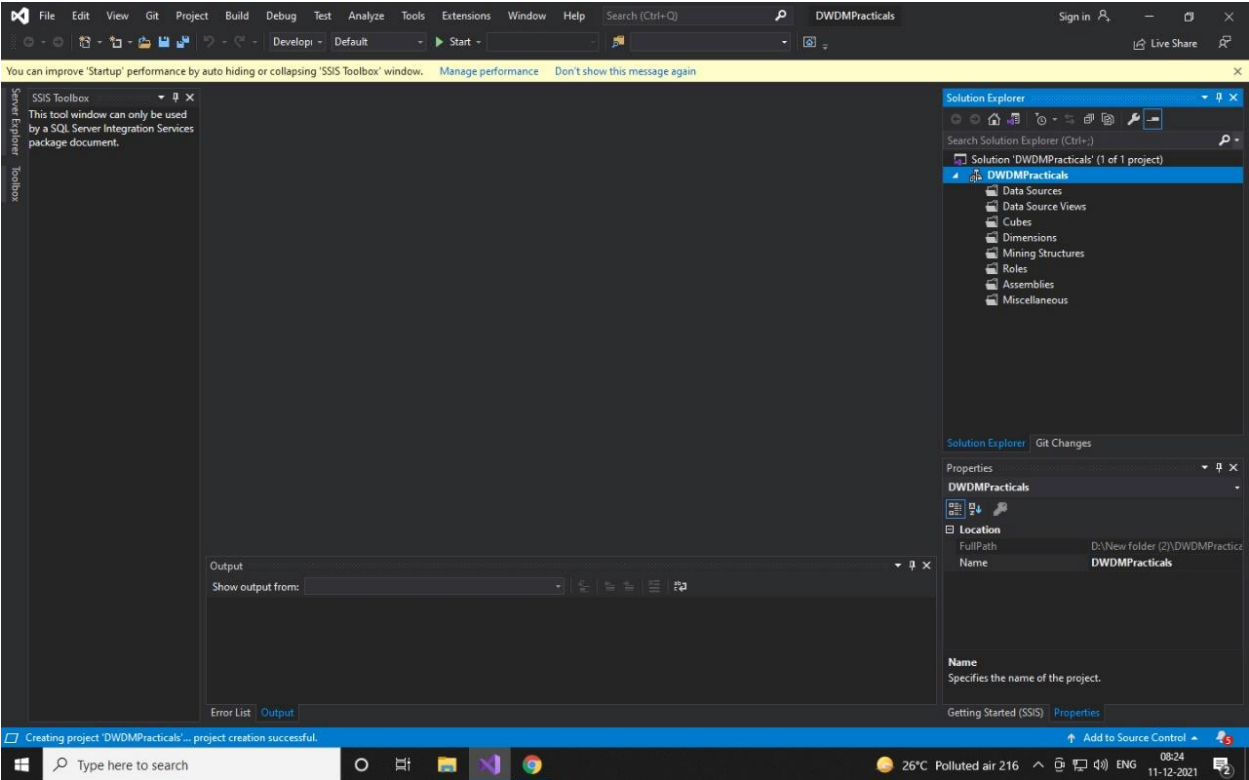
Name:

Preview:

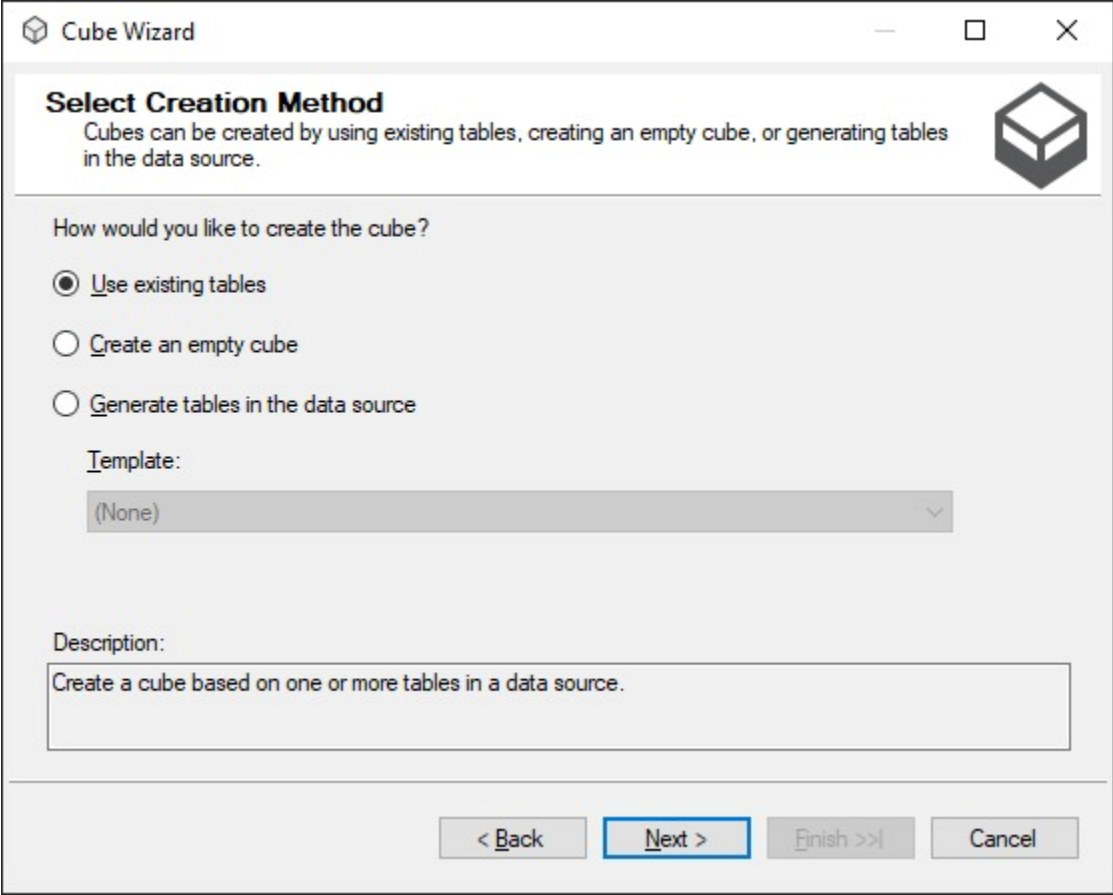
- Adventure Works DW2016
  - FactInternetSalesReason (dbo)
  - DimSalesReason (dbo)
  - FactInternetSales (dbo)
  - FactSalesQuota (dbo)
  - DimSalesTerritory (dbo)
  - FactResellerSales (dbo)

< Back   Next >   **Finish**   Cancel

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




Select the first option ‘Use existing tableless’ and click on Next.



Select the tables and click on Next.



 Cube Wizard

**Select Measure Group Tables**


Select a data source view or diagram and then select the tables that will be used for measure groups.

Data source view:  
Adventure Works DW2016

Measure group tables:

☒ FactInternetSalesReason  
☒ DimSalesReason  
☒ FactInternetSales  
☒ FactSalesQuota  
☒ DimSalesTerritory  
☒ FactResellerSales

Click on Next and Finish.

 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

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

Cube Wizard

Completing the Wizard

Name the cube, review its structure, and then click Finish to save the cube.

Cube name:

Adventure Works DW2016

Preview:

Measure groups

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

< Back

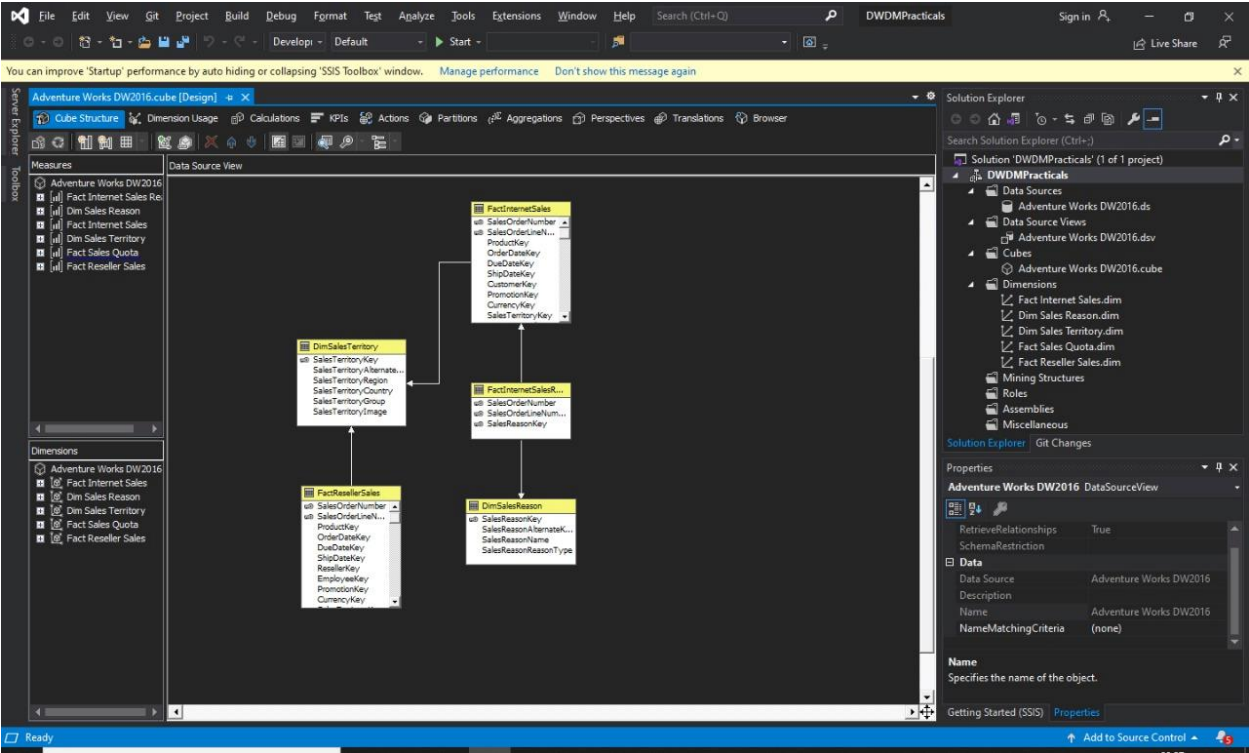
Next >

Finish

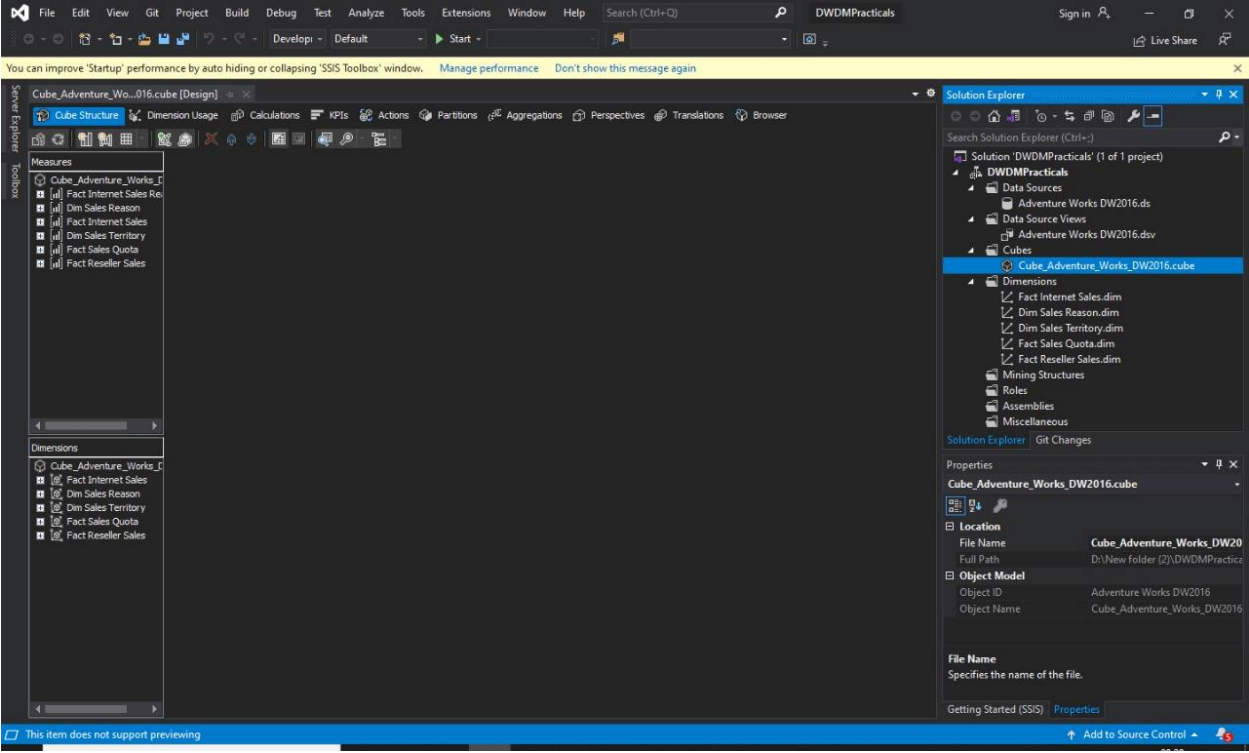
Cancel

Afterwards you will get the following output.

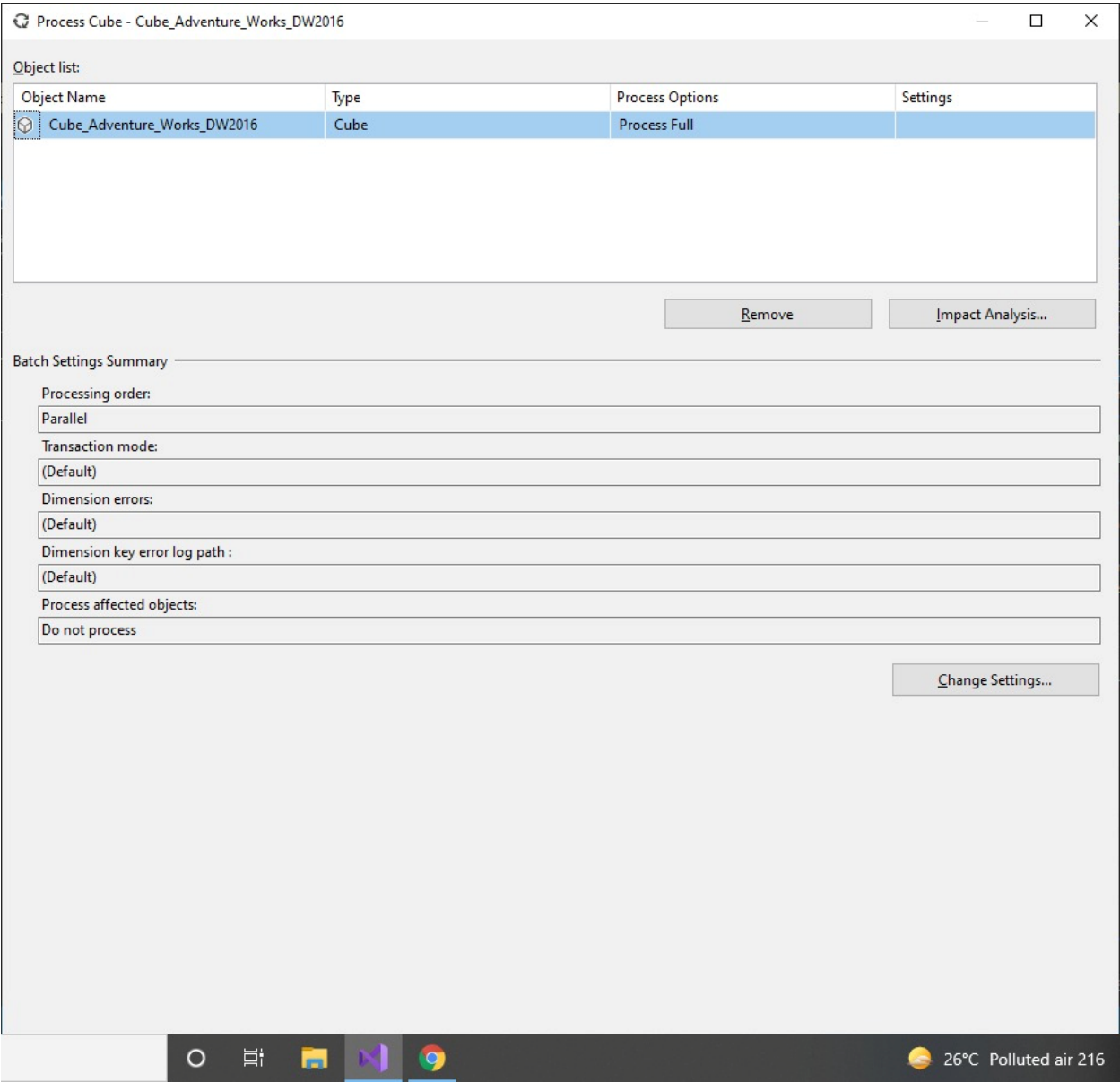




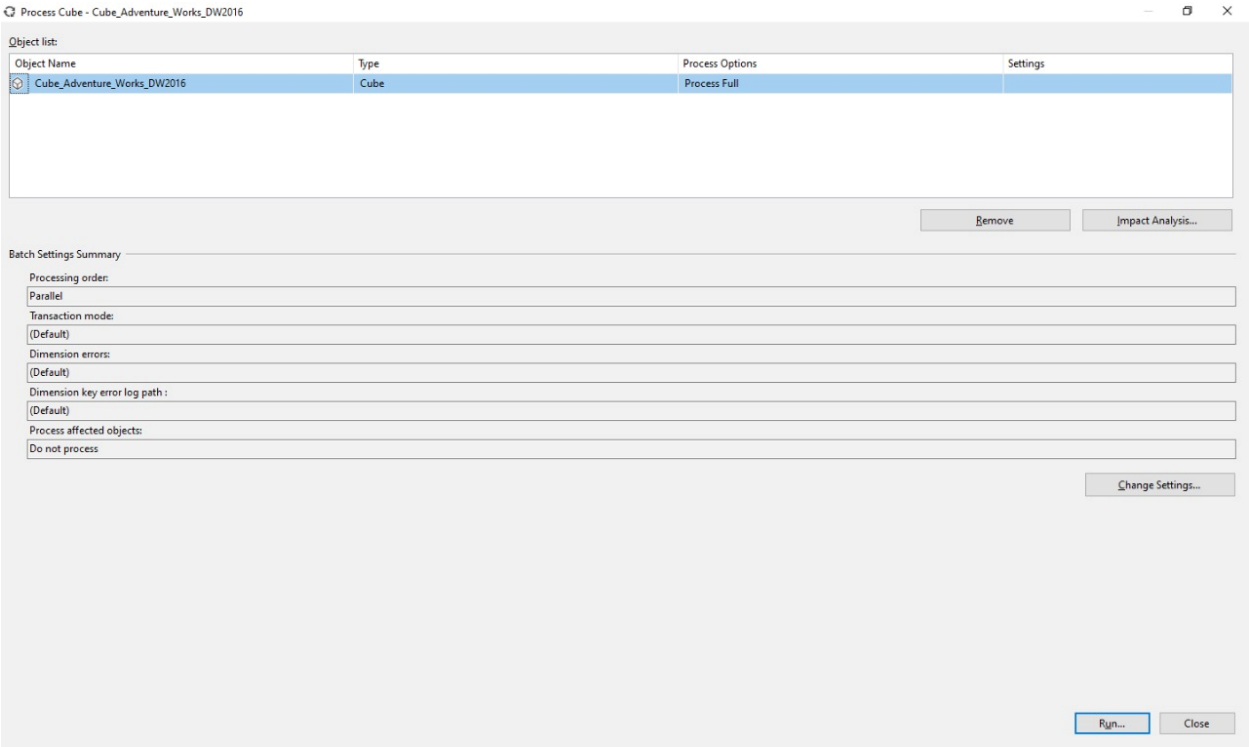
Rename cube name and proceed.

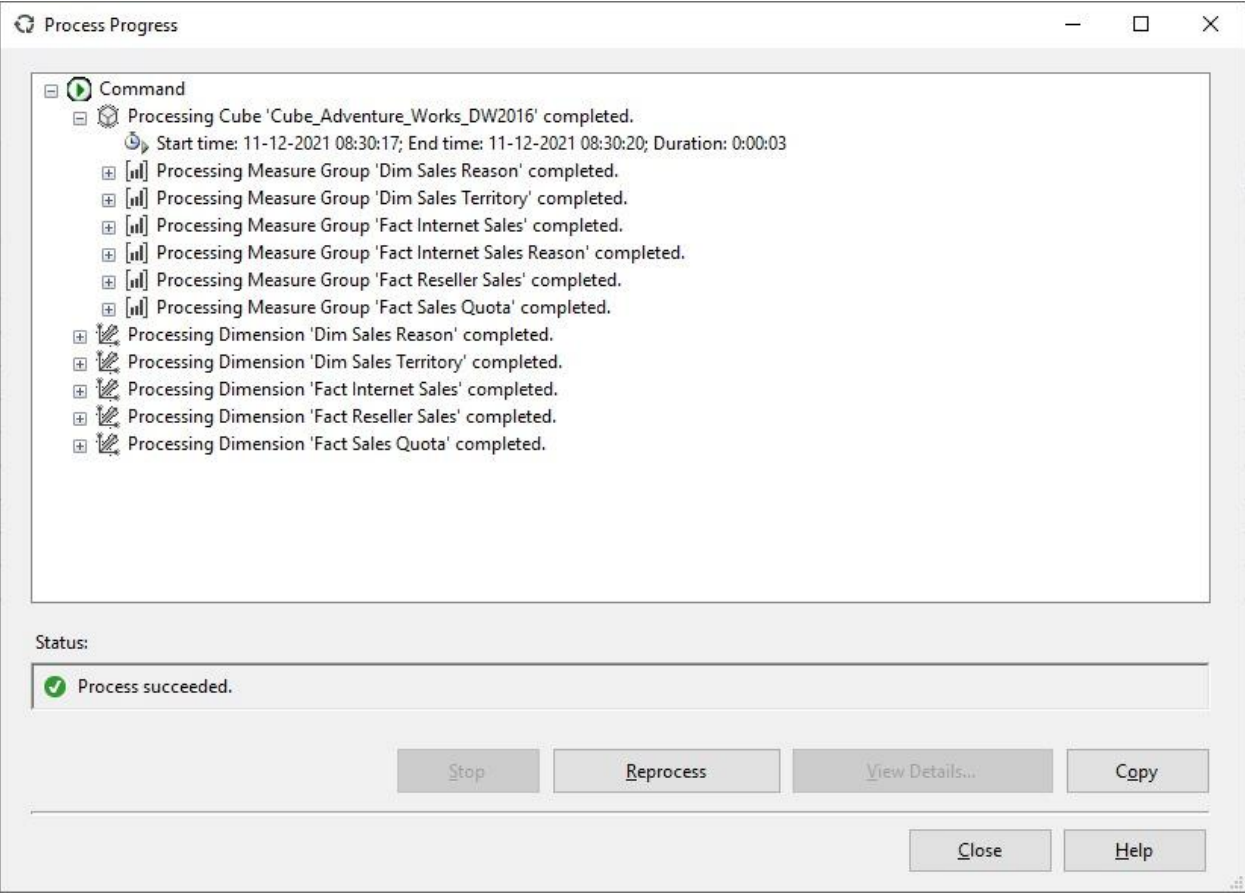


Right Click on the Cube and click on process.

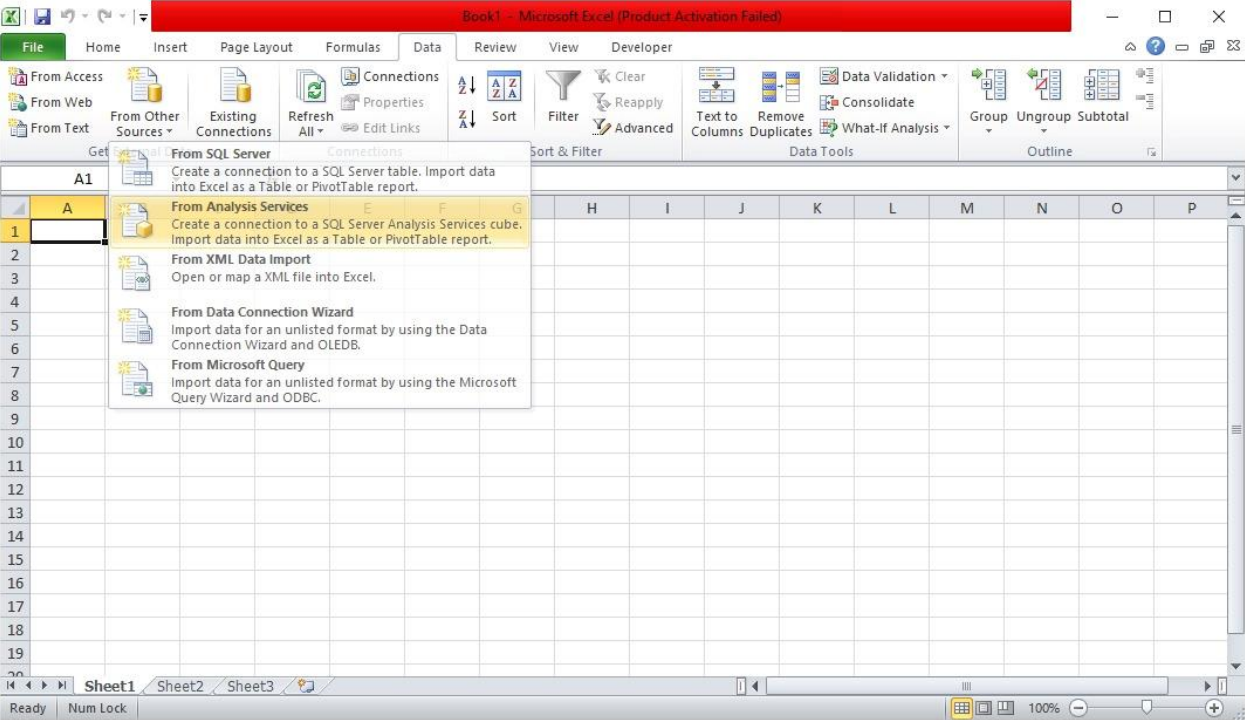


Maximize the window and click on Run





Open Excel sheet, go to Data tab and click on ‘ From other sources and select From analysis services’.




Make the connection.

Data Connection Wizard

?

✕

Connect to Database Server



Enter the information required to connect to the database server.

1. Server name:

2. Log on credentials

☒ Use Windows Authentication

☐ Use the following User Name and Password

User Name:

Password:

Cancel

< Back

Next >

Finish


Click on Next and Finish.

Data Connection Wizard

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✕

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:

DWDMPRACTICALS

▼

☒ Connect to a specific cube or table:

Name	Description	Modified	Created	Type
 Cube_Adventure_Works_DW2016		12/11/2021 8:30:21 AM		CUBE

Cancel

< Back

Next >

Finish

Data Connection Wizard

?

×

Save Data Connection File and Finish

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

File Name:

. DWDMPRACTICALS Cube\_Adventure\_Works\_DW2016.odc

Browse...

☐ Save password in file

Description:

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

Friendly Name:

. DWDMPRACTICALS Cube\_Adventure\_Works\_DW2016

Search Keywords:

☐ Always attempt to use this file to refresh data

Excel Services:

Authentication Settings...

Cancel

< Back

Next >

Finish

You will get the final representation.

Book1 - Microsoft Excel (Product Activation Failed)

File

Home

Insert

Page Layout

Formulas

Data

Review

View

Developer

PivotTable Tools

Options

Design

PivotTable Name:

PivotTable1

Options

PivotTable

Active Field:

Expand Entire Field

Collapse Entire Field

Field Settings

Active Field

Group Selection

Ungroup

Group Field

Sort & Filter

Sort

Insert Slicer

Refresh

Change Data Source

Clear

Select

Move PivotTable

Summarize Values By

Show Values As

Fields, Items, & Sets

PivotChart

OLAP Tools

What-If Analysis

Field List

Field Buttons

Field Headers

A1

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

1

2

3

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32

PivotTable1

To build a report, choose fields from the PivotTable Field List

PivotTable Field List

Show fields related to:

(All)

Σ Dim Sales Reason

☐ Dim Sales Reason Count

☐ Sales Reason Alternate Key

Σ Dim Sales Territory

☐ Dim Sales Territory Count

☐ Sales Territory Alternate Key

Σ Fact Internet Sales

☐ Currency Key

☐ Customer Key

☐ Discount Amount

☐ Due Date Key

☐ Extended Amount

Drag fields between areas below:

Report Filter

Column Labels

Row Labels

Σ Values

☐ Defer Layout Update

Update

Sheet1

Sheet2

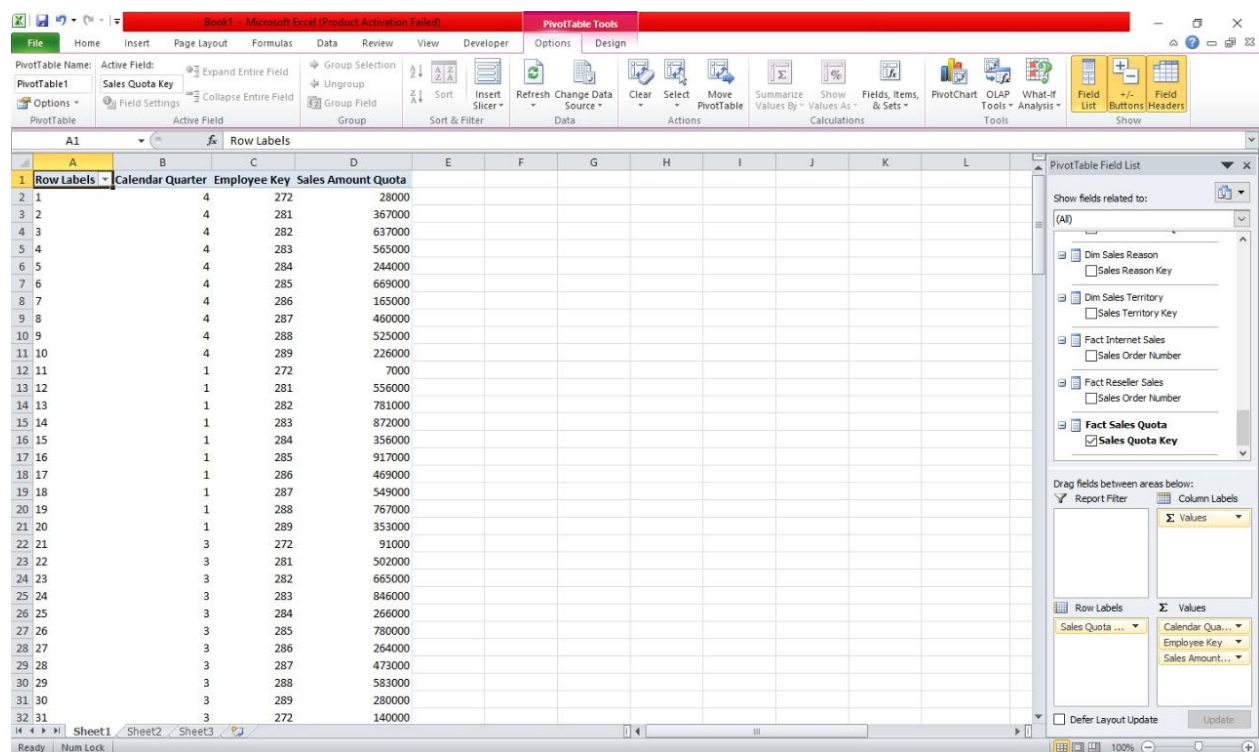
Sheet3

Ready

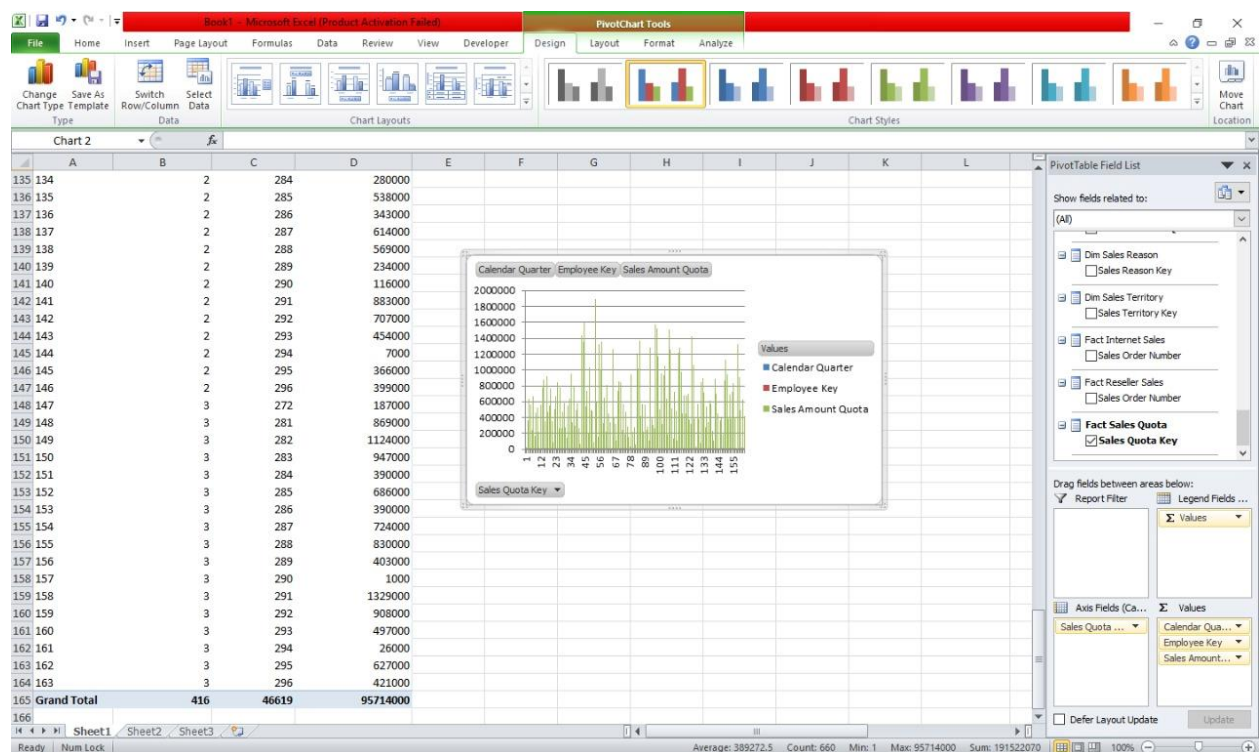
Num Lock

Select the tables from right hand side dialogue box.





Select all and click on Insert tab and select options from Column. You will get the output as a graph show below.



Follow the above same for Pie. You will get the output as a graph show below.



