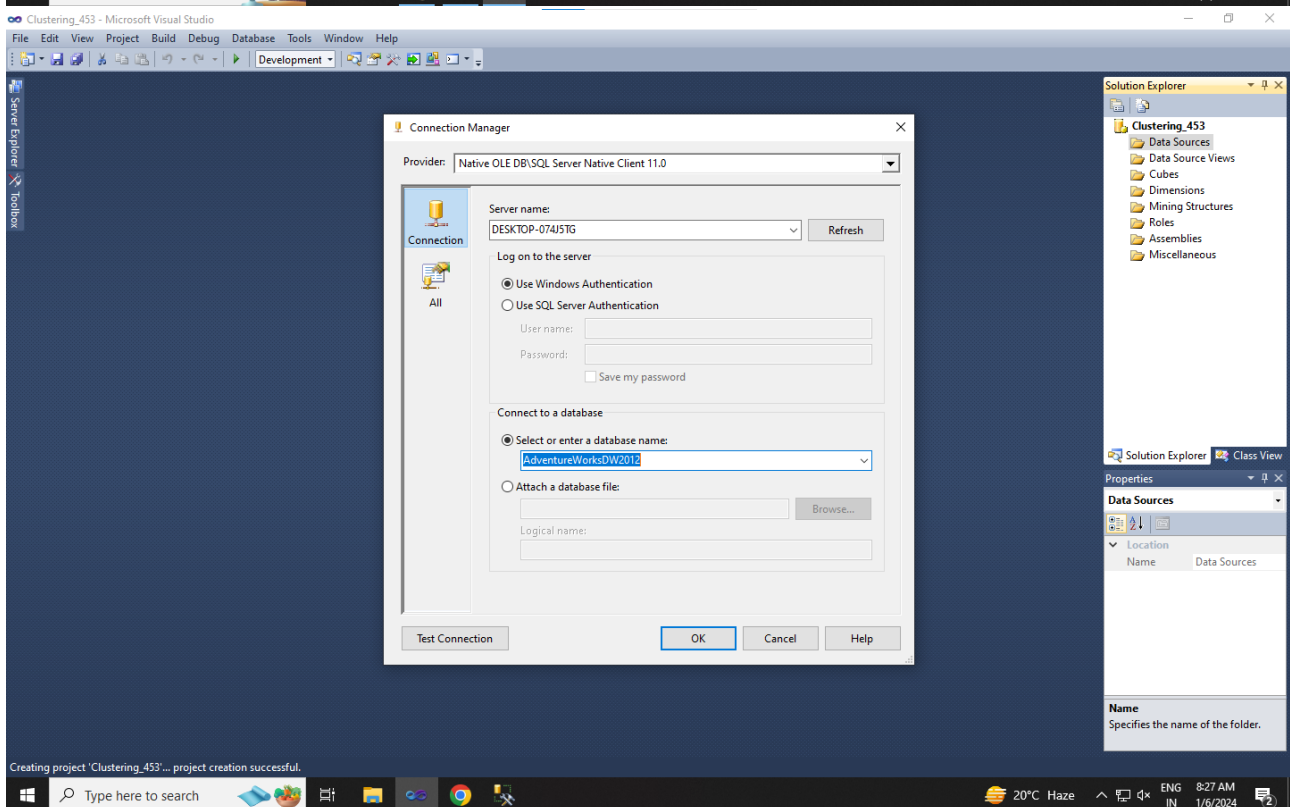
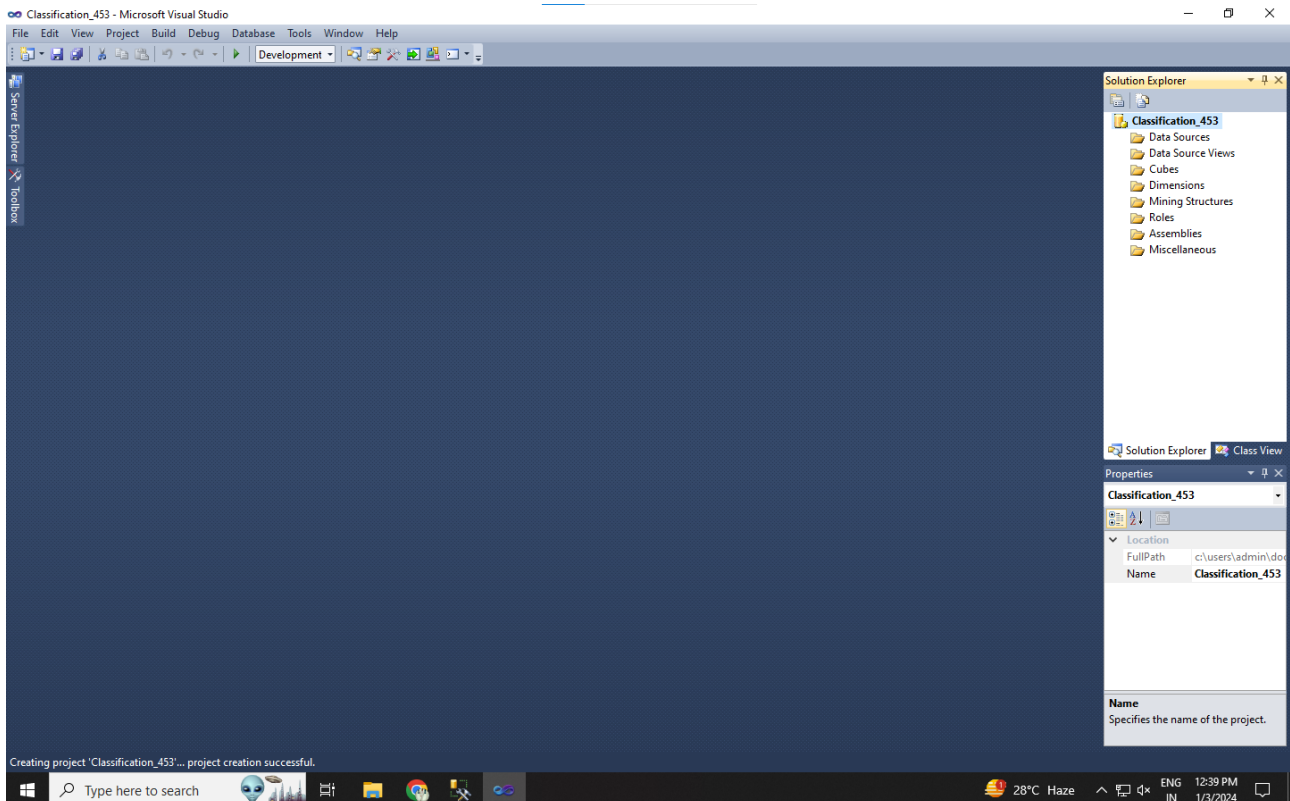
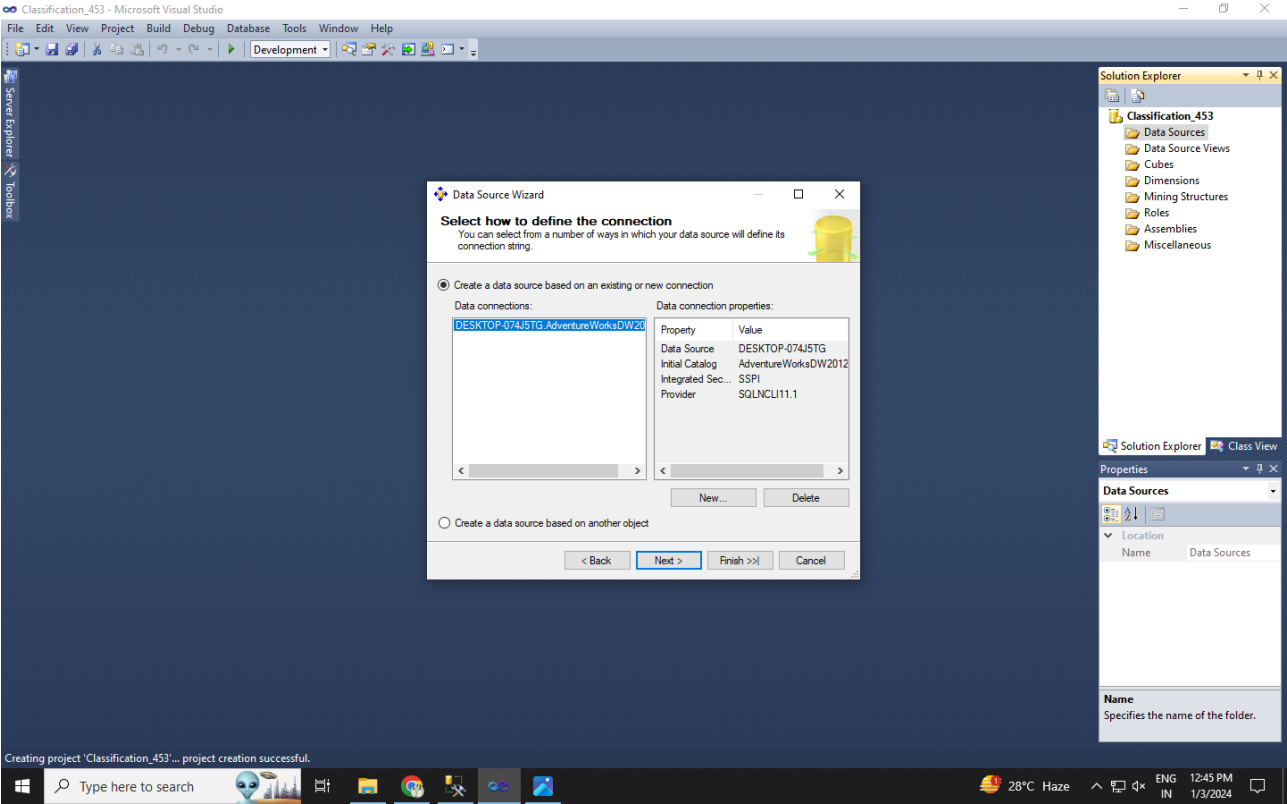
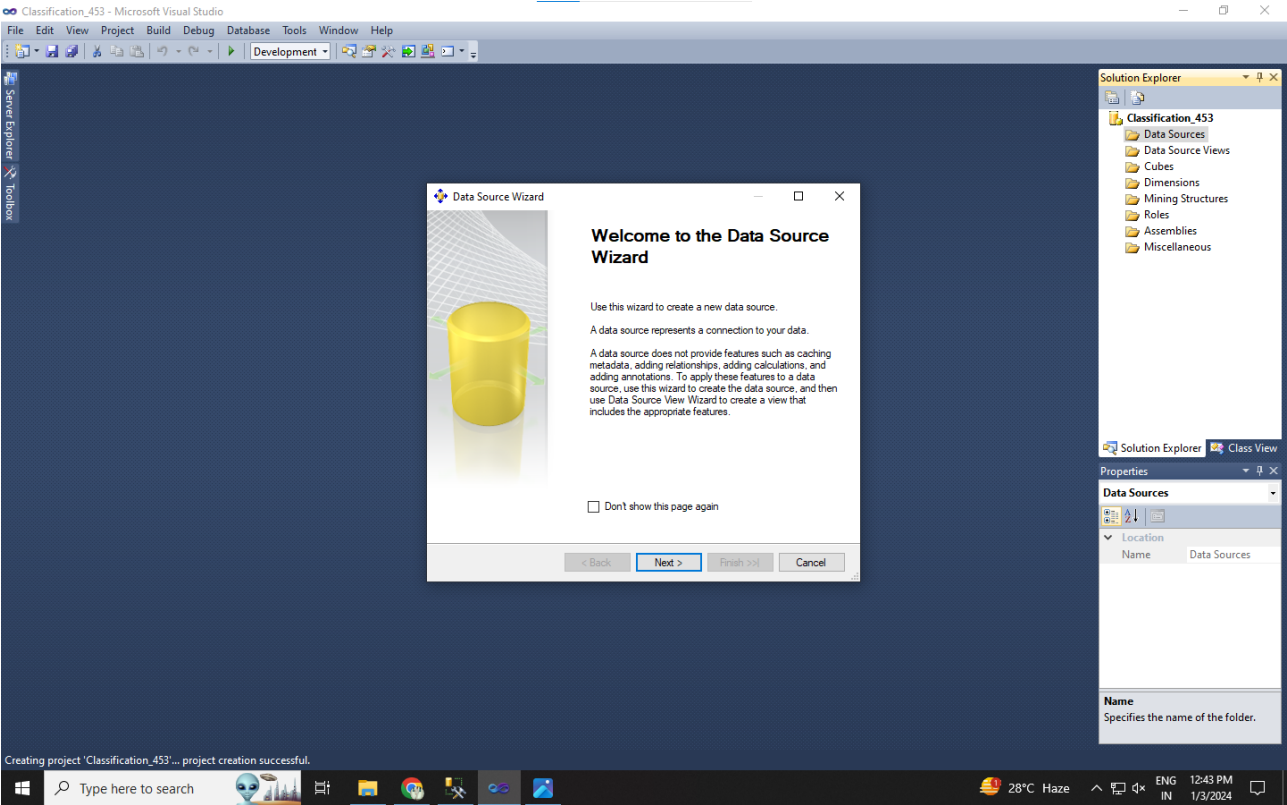
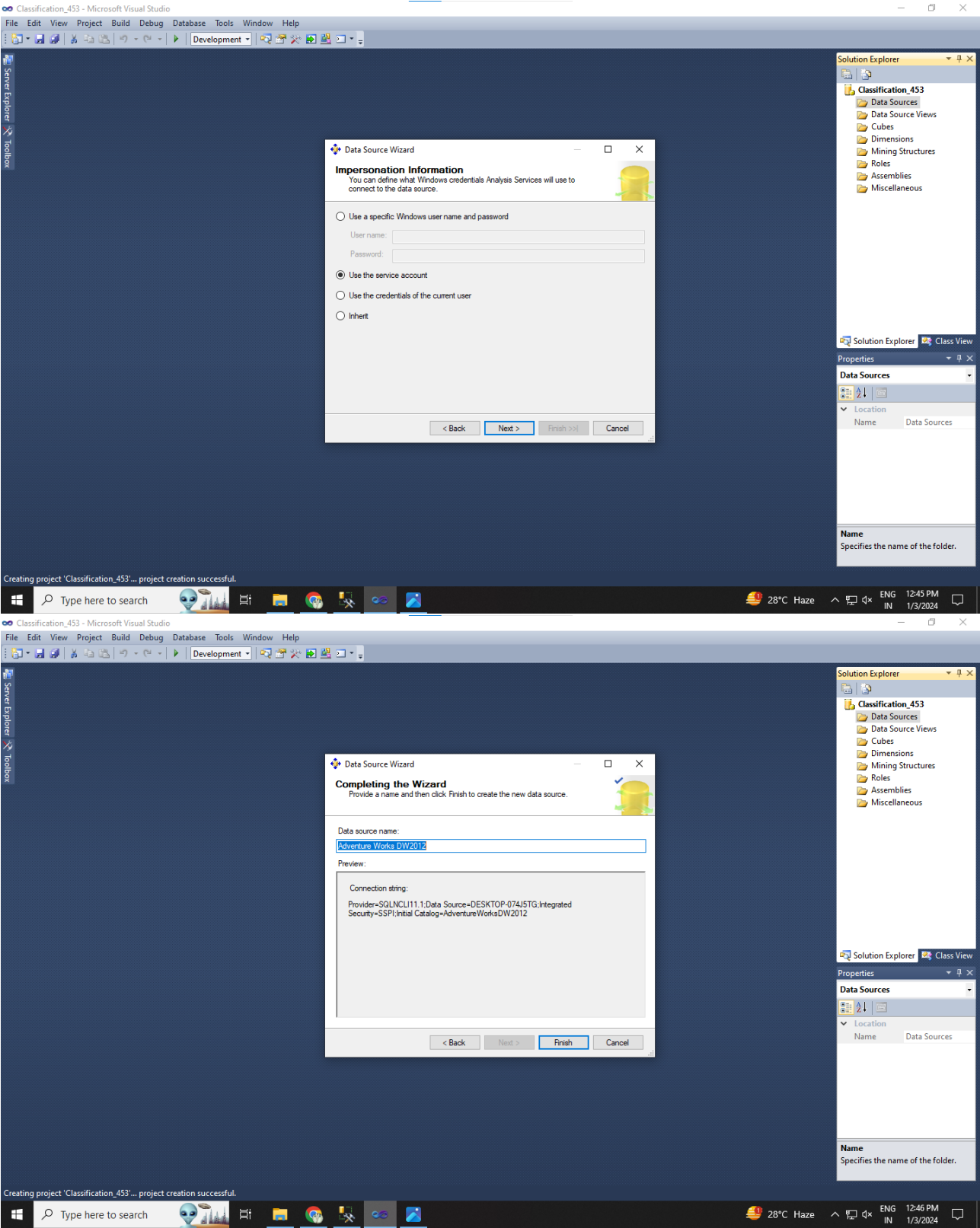


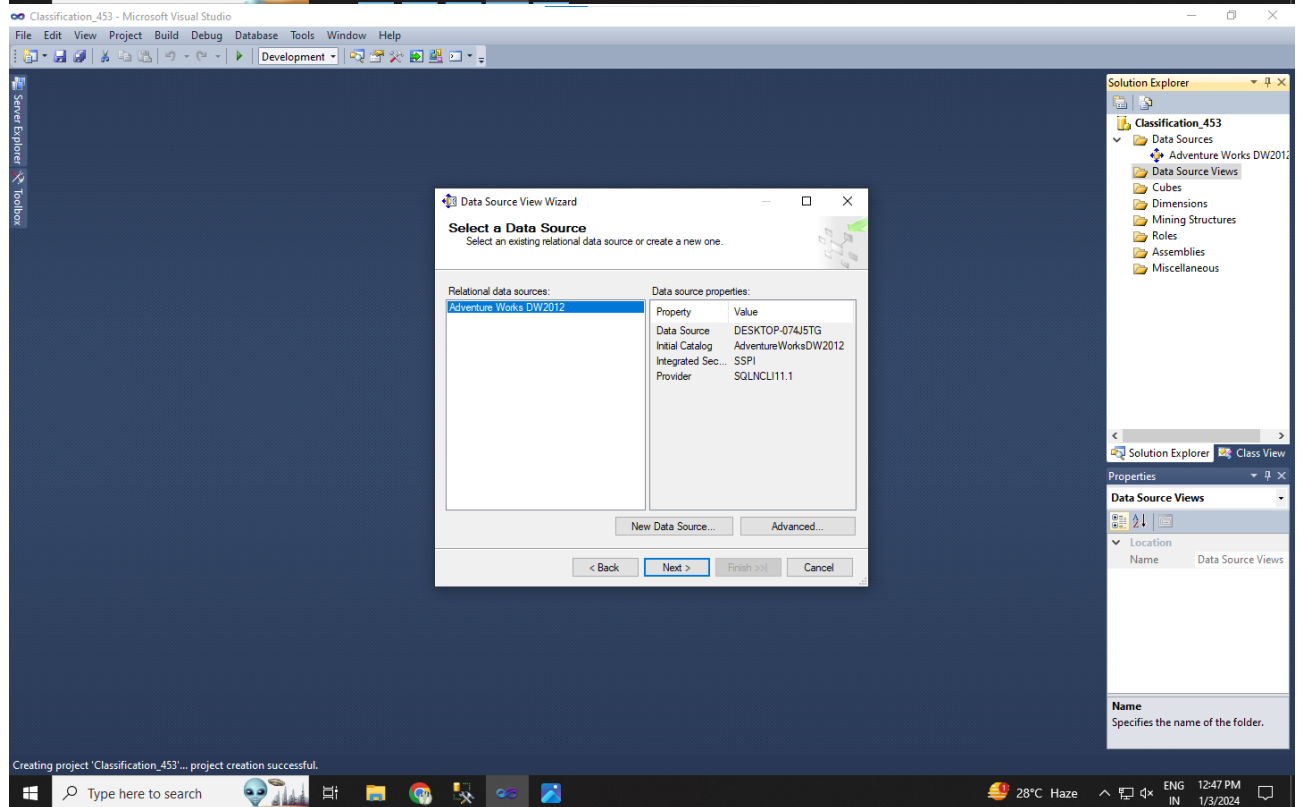
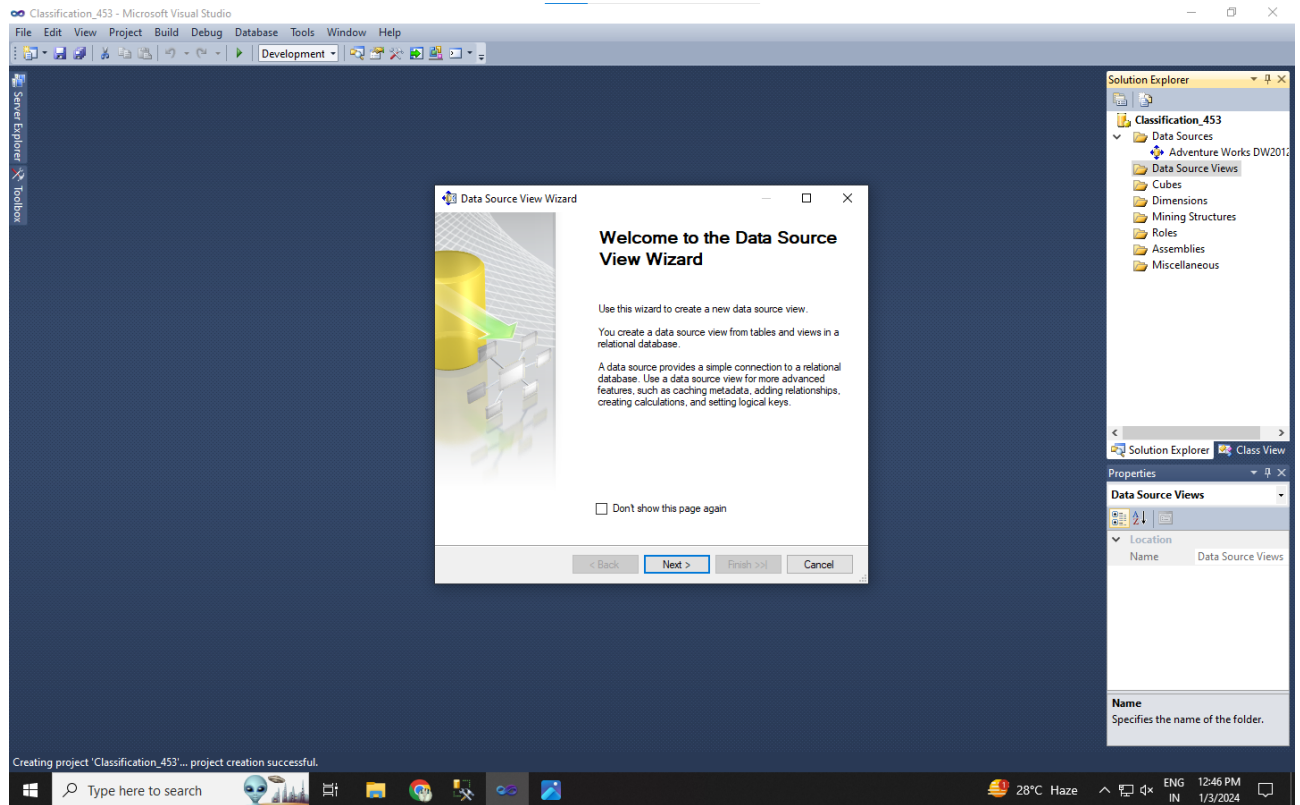
## PRACTICAL 01: 06. PERFORM THE DATA CLASSIFICATION USING CLASSIFICATION ALGORITHM.

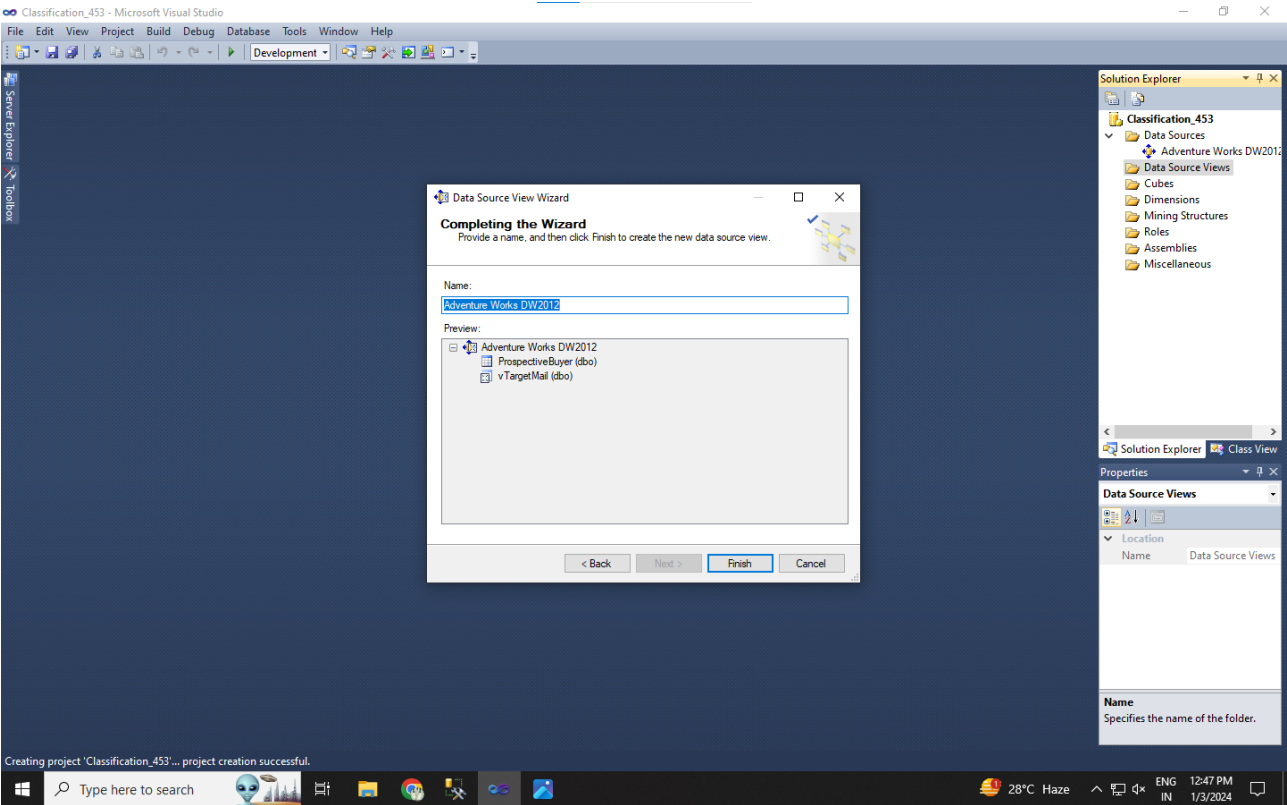
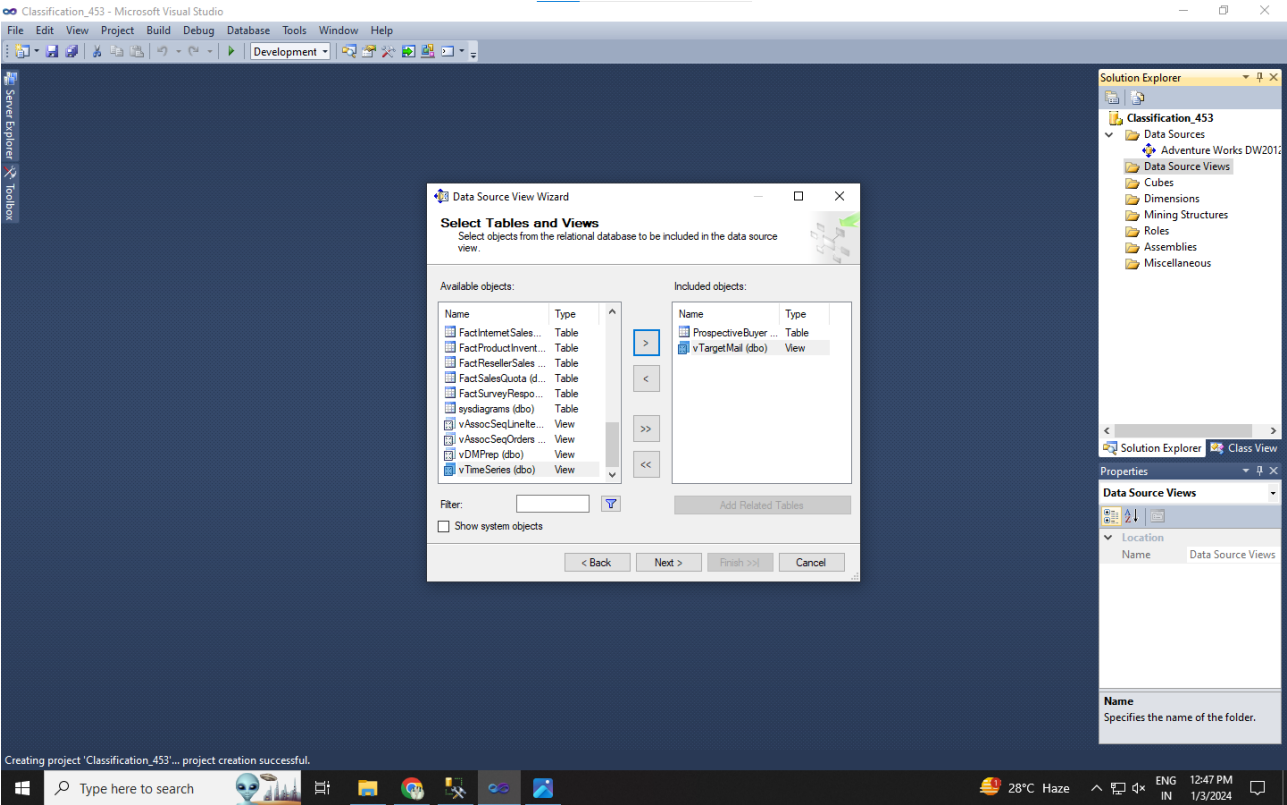
(03/01/2024)

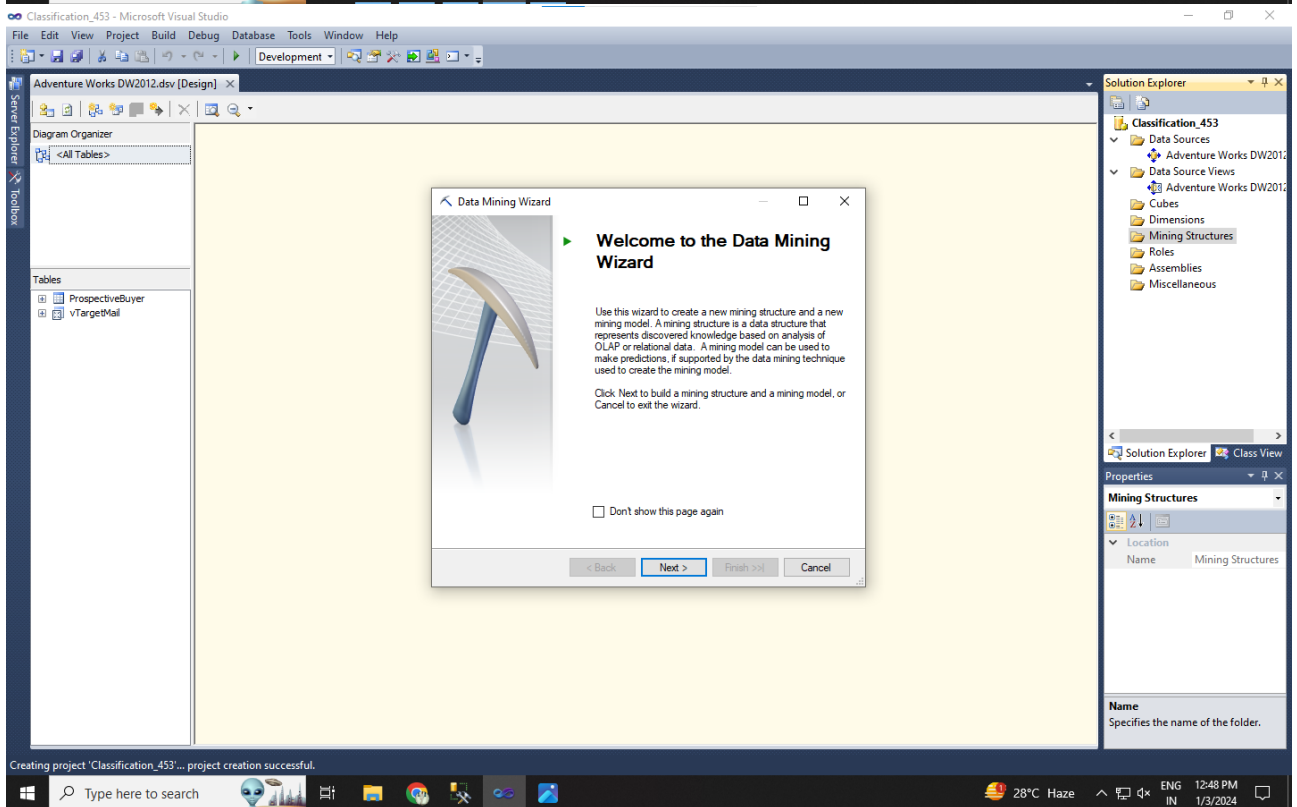
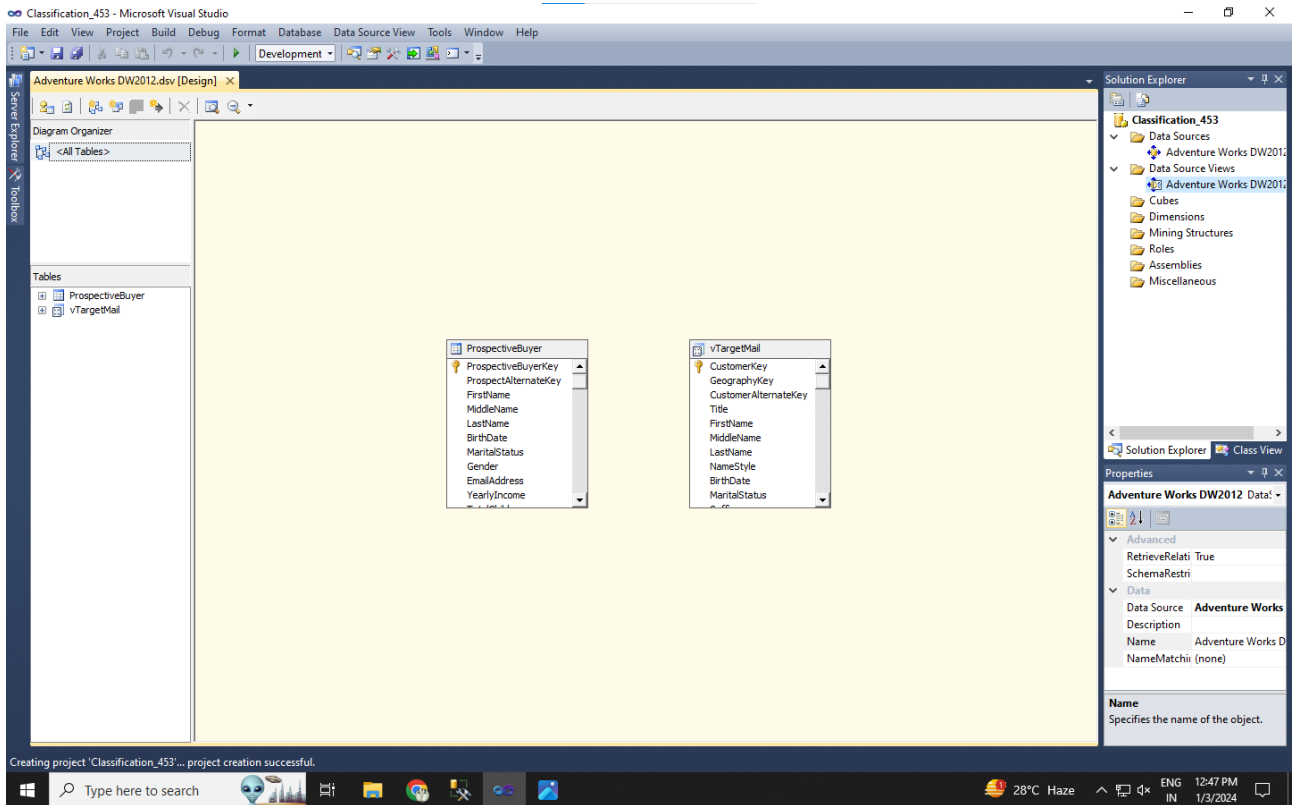




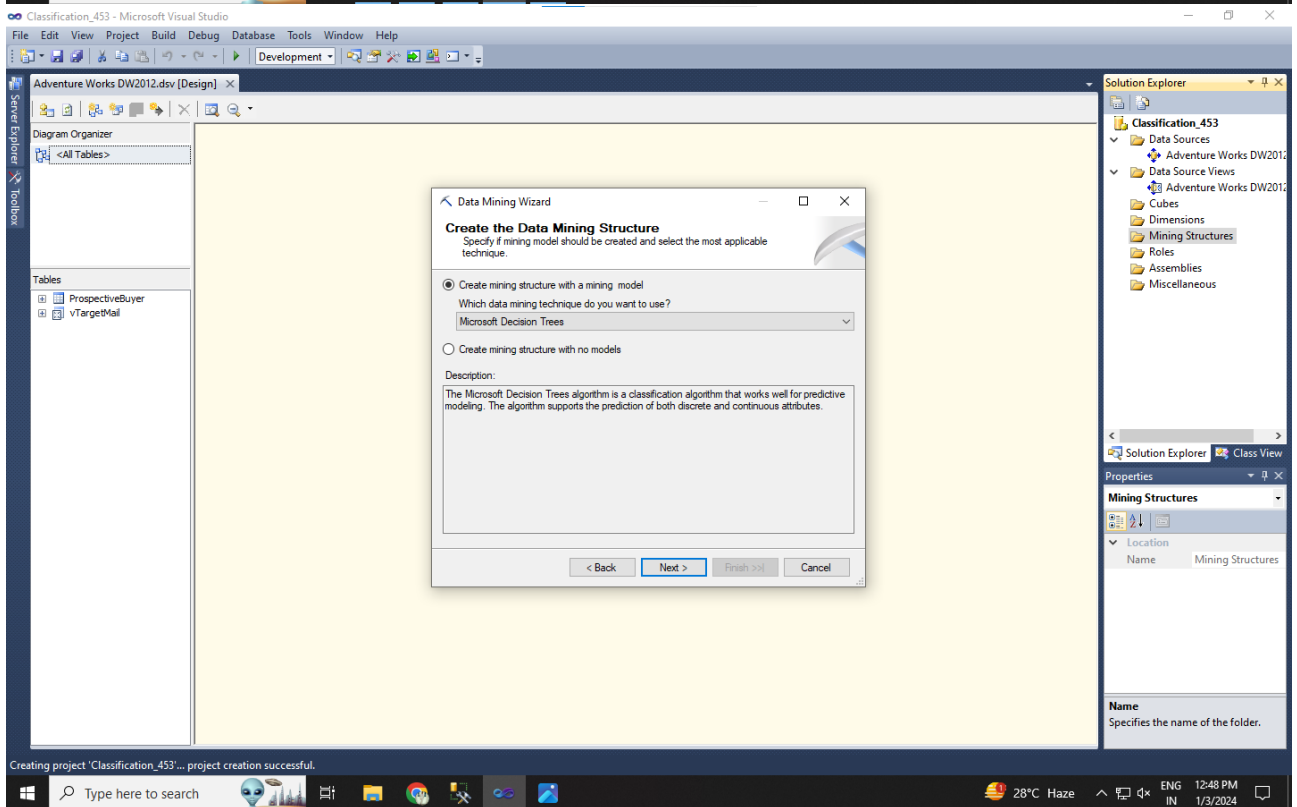
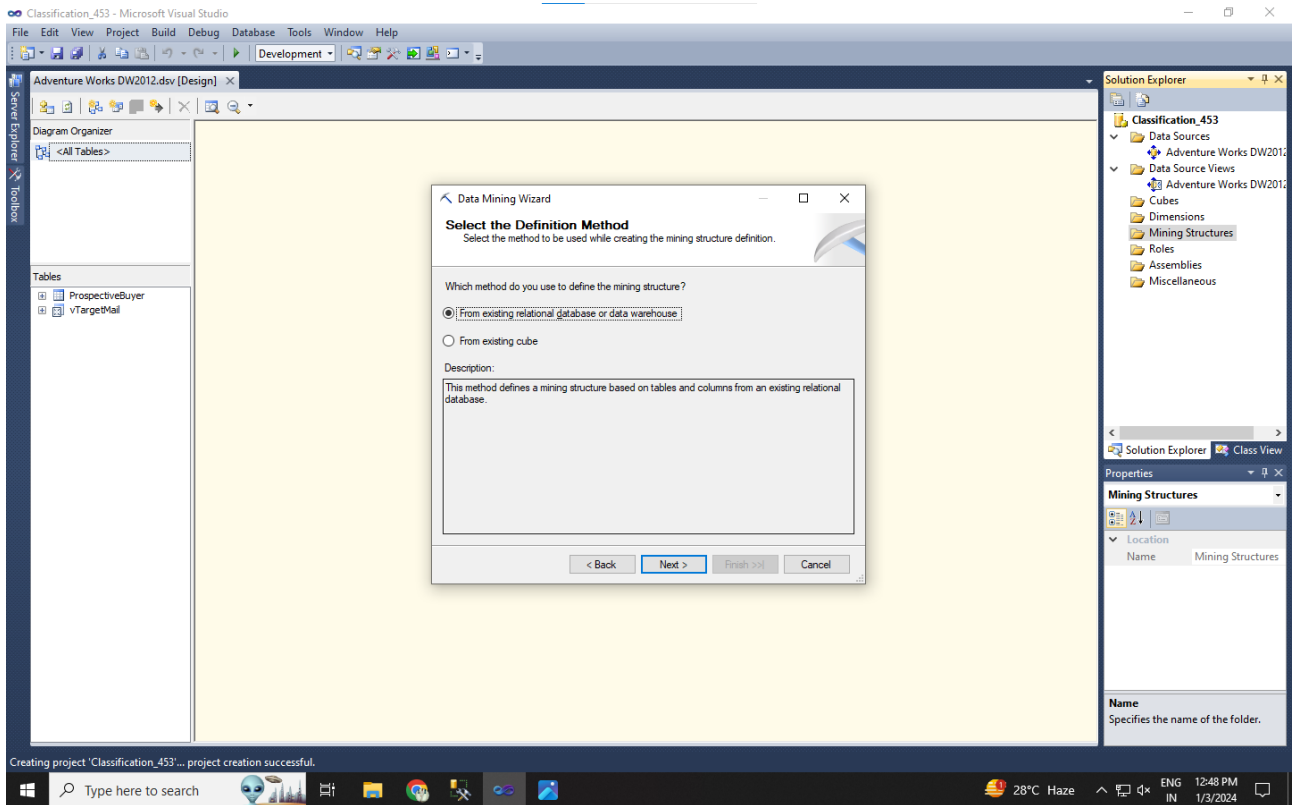


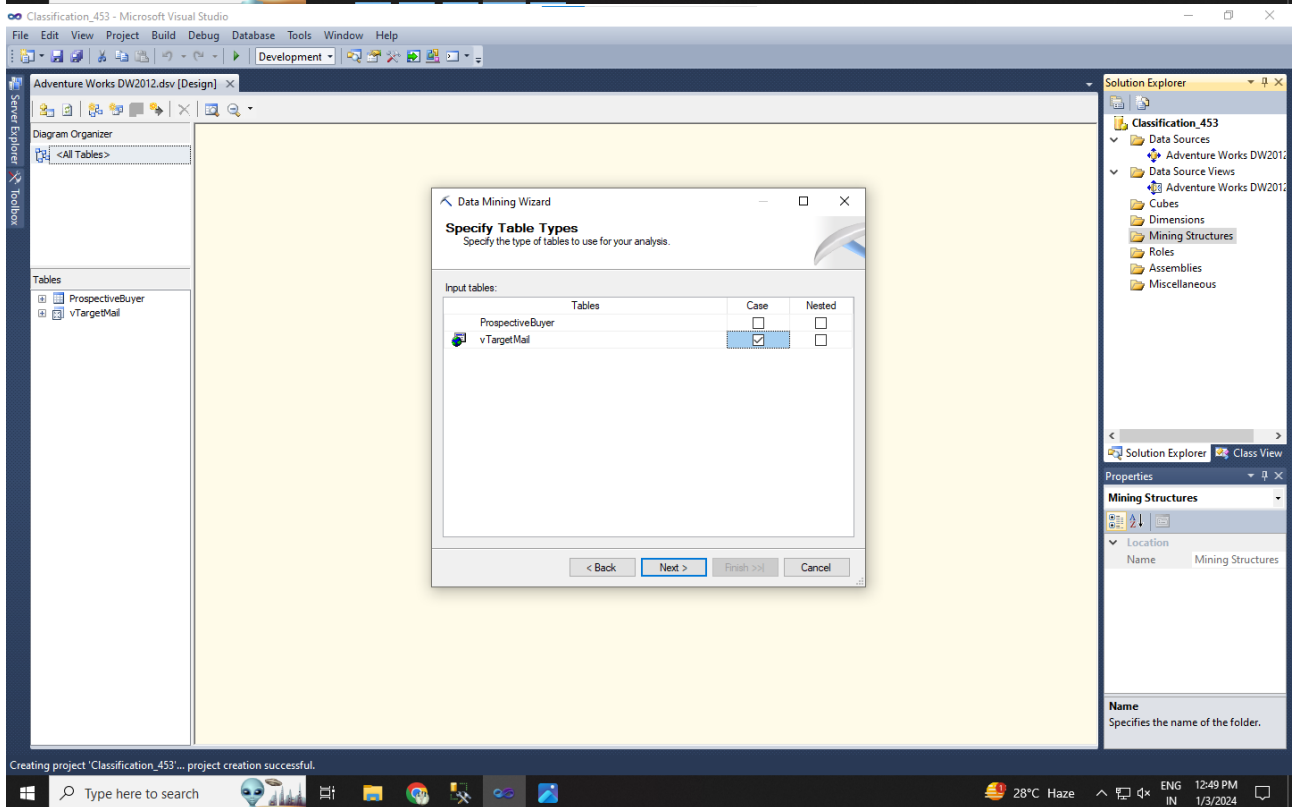
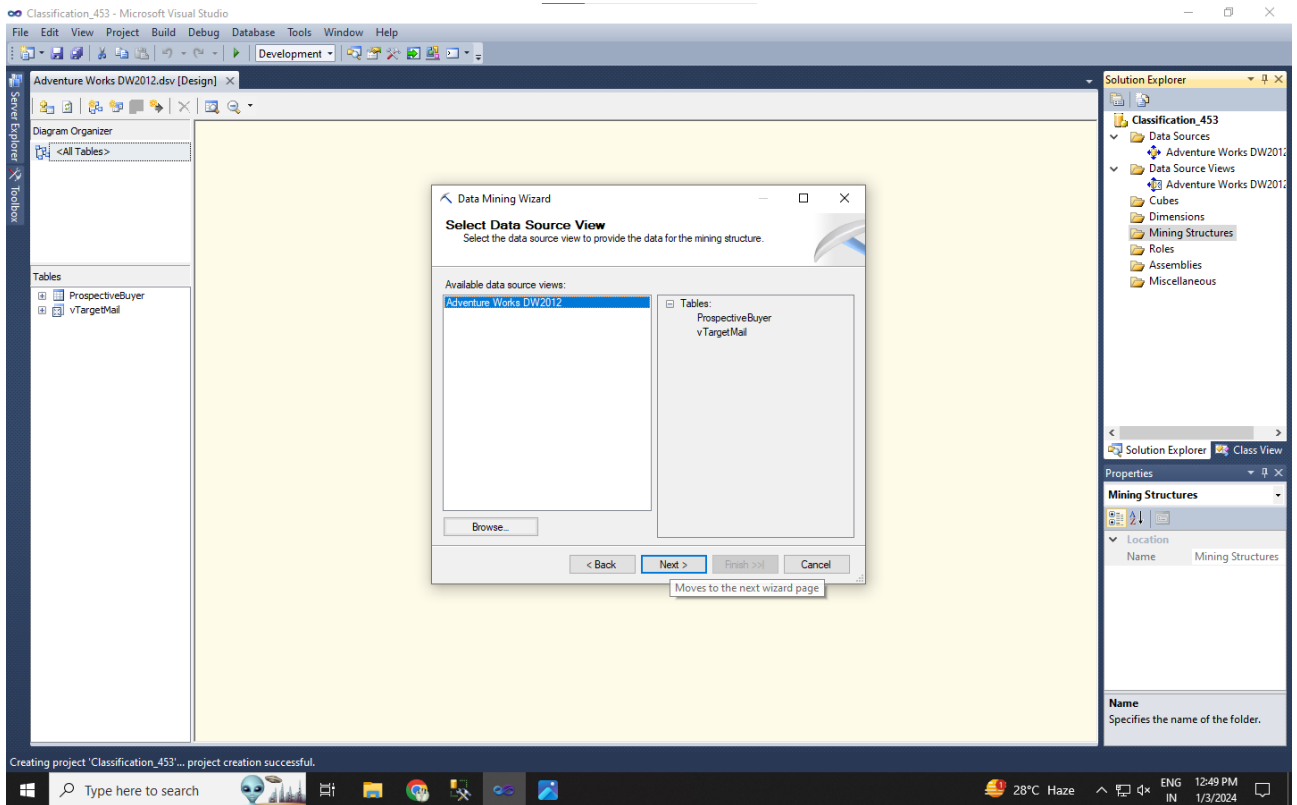














Classification\_453 - Microsoft Visual Studio

File Edit View Project Build Debug Database Tools Window Help

Adventure Works DW2012.dsv [Design]

Diagram Organizer

Tables

- ProspectiveBuyer
- vTargetMail

**Data Mining Wizard**

**Specify Columns' Content and Data Type**

Specify mining structure columns' content and data type.

Mining model structure:

Columns	Content Type	Data Type
Age	Continuous	Long
Bike Buyer	Discrete	Long
Customer Key	Key	Long
Number Cars Owned	Discrete	Long
Number Children At Home	Discrete	Long
Region	Discrete	Text
Total Children	Discrete	Long
Yearly Income	Continuous	Double

Detect continuous or discrete for numeric columns:

Detect

< Back Next > Finish >> Cancel

**Solution Explorer**

- Classification\_453
  - Data Sources
  - Data Source Views
  - Adventure Works DW2012
  - Cubes
  - Dimensions
  - Mining Structures
  - Roles
  - Assemblies
  - Miscellaneous

**Properties**

**Mining Structures**

Location

Name Mining Structures

**Name**

Specifies the name of the folder.

Creating project 'Classification\_453'... project creation successful.

Type here to search

28°C Haze

ENG IN 12:51 PM 1/3/2024

Classification\_453 - Microsoft Visual Studio

File Edit View Project Build Debug Database Tools Window Help

Adventure Works DW2012.dsv [Design]

Diagram Organizer

Tables

- ProspectiveBuyer
- vTargetMail

**Data Mining Wizard**

**Create Testing Set**

Specify the number of cases to be reserved for model testing.

Percentage of data for testing: 30 %

Maximum number of cases in testing data set:

Description:

Input data will be randomly split into two sets, a training set and a testing set, based on the percentage of data for testing and maximum number of cases in testing data set you provide. The training set is used to create the mining model. The testing set is used to check model accuracy.

[Percentage of data for testing] specifies percentages of cases reserved for testing set.  
[Maximum number of cases in testing data set] limits total number of cases in the testing set.  
If both values are specified, both limits are enforced.

< Back Next > Finish >> Cancel

**Solution Explorer**

- Classification\_453
  - Data Sources
  - Data Source Views
  - Adventure Works DW2012
  - Cubes
  - Dimensions
  - Mining Structures
  - Roles
  - Assemblies
  - Miscellaneous

**Properties**

**Mining Structures**

Location

Name Mining Structures

**Name**

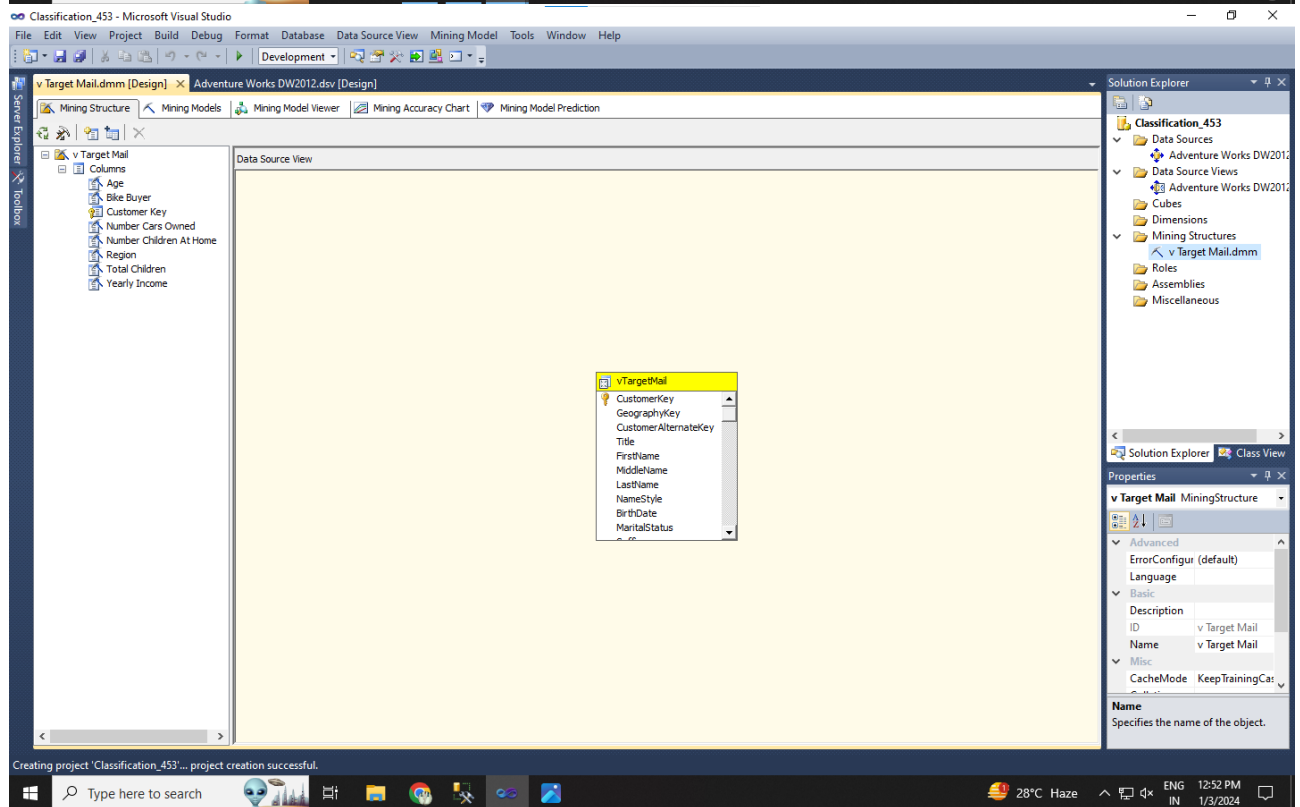
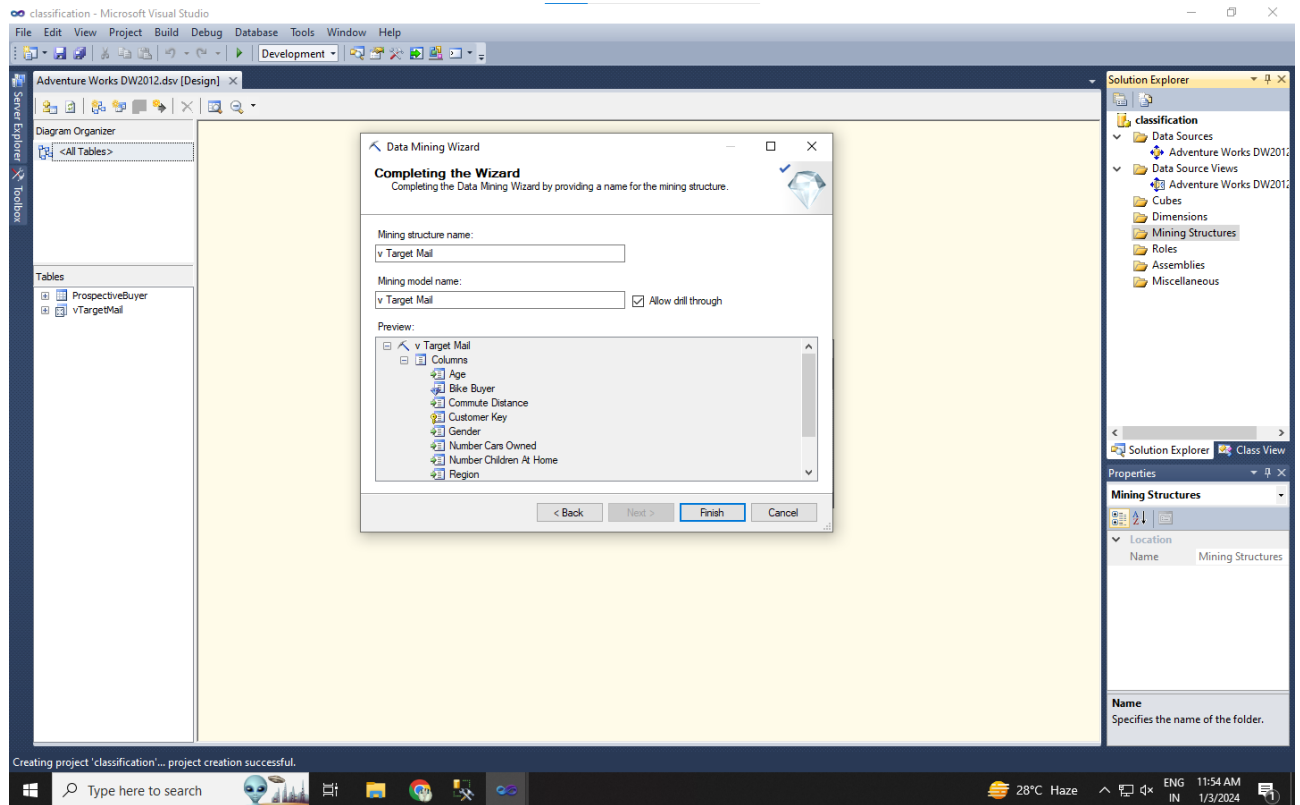
Specifies the name of the folder.

Creating project 'Classification\_453'... project creation successful.

Type here to search

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ENG IN 12:51 PM 1/3/2024



Classification\_453 - Microsoft Visual Studio

File Edit View Project Build Debug Database Mining Model Tools Windows Help

Development Process Database - Classification\_453

Object list:

Object Name	Type	Process Options	Settings
Classification_453	Database	Process Full	

Remove Impact Analysis...

Batch Settings Summary

Processing order:  
Parallel

Transaction mode:  
(Default)

Dimension errors:  
(Default)

Dimension key error log path:  
(Default)

Process affected objects:  
Do not process

Change Settings...

Run... Close

Creating project 'Classification\_453'... project creation successful.

Type here to search

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ENG 12:52 PM  
IN 1/3/2024

Solution Explorer

- Classification\_453
  - Data Sources
    - Adventure Works DW2012
  - Data Source Views
    - Adventure Works DW2012
  - Cubes
    - Dimensions
  - Mining Structures
    - v Target Mail.dmm
  - Roles
    - Assemblies
  - Miscellaneous

Deployment Progress - Cla...

Server: localhost  
Database: Classification\_453

Command

Status:

Deployment Completed Successfully

Classification\_453 - Microsoft Visual Studio

File Edit View Project Build Debug Database Mining Model Tools Windows Help

Development Process Database - Classification\_453

Object list:

Object Name	Type	Process Options	Settings
Classification_453	Database	Process Full	

Remove Impact Analysis...

Batch Settings Summary

Processing order:  
Parallel

Transaction mode:  
(Default)

Dimension errors:  
(Default)

Dimension key error log path:  
(Default)

Process affected objects:  
Do not process

Change Settings...

Run... Close

Process Progress

Command

- Processing Database 'Classification\_453' completed.  
Start time: 1/3/2024 12:52:48 PM; End time: 1/3/2024 12:52:57 PM; Duration: 0:00:08
- Processing Mining Structure 'v Target Mail' completed.  
Start time: 1/3/2024 12:52:48 PM; End time: 1/3/2024 12:52:57 PM; Duration: 0:00:08
- Processing Mining Model 'v Target Mail' completed.  
Start time: 1/3/2024 12:52:48 PM; End time: 1/3/2024 12:52:57 PM; Duration: 0:00:08
- Processing Cube 'v Target Mail -MC' completed.  
Start time: 1/3/2024 12:52:49 PM; End time: 1/3/2024 12:52:50 PM; Duration: 0:00:01
- Processing Measure Group 'v CaseDetail -MG' completed.
- Processing Dimension 'v Target Mail -MC-Customer Key' completed.

Status:

Process succeeded.

Stop Reprocess View Details... Copy

Close Help

Change Settings...

Run... Close

Creating project 'Classification\_453'... project creation successful.

Type here to search

28°C Haze

ENG 12:53 PM  
IN 1/3/2024

Solution Explorer

- Classification\_453
  - Data Sources
    - Adventure Works DW2012
  - Data Source Views
    - Adventure Works DW2012
  - Cubes
    - Dimensions
  - Mining Structures
    - v Target Mail.dmm
  - Roles
    - Assemblies
  - Miscellaneous

Deployment Progress - Cla...

Server: localhost  
Database: Classification\_453

Command

Status:

Deployment Completed Successfully

