

Microsoft

Microsoft Technical Trainer

Enterprise Skills Initiative

DP-605 LAB 01

Get data in Power BI Desktop

This document is provided by the Microsoft Technical Trainer (MTT) team for attendees of the ESI training.

Summary

The information in this document is based on content reviewed by Microsoft as of the date shown and may change after that date to reflect evolving market requirements. This document does not guarantee that there will be no changes affecting customers after the stated date.

This document is provided for informational purposes only and carries no warranties of any kind.

You are responsible for complying with applicable copyright laws. Without Microsoft's prior consent, reproduction, storage, or redistribution of this document—whether in electronic or physical form, and for any purpose—is not permitted.

Microsoft owns the patents, trademarks, copyrights, and other intellectual property contained in this document. Except where expressly permitted in the document, no patent, trademark, copyright, or other intellectual property rights are granted to any other party.

© 2025 Microsoft Corporation. All rights reserved.

Microsoft® is a trademark registered in the United States and/or other countries. The actual company and product names mentioned herein may be the trademarks of their respective owners.

Revision history

Date	Version	Author	Change description
2024.05.18	1.0.0	Jin Hwan Woo	Get data in Power BI Desktop
2025.01.03	1.1.0	Jin Hwan Woo	Applied lab update
2025.08.01	1.2.0	Jin Hwan Woo	Updated lab files: applied Power BI updates
2025.10.25	1.3.0	Jin Hwan Woo	Updated the lab to the English version

Contents

OVERVIEW	5
EXERCISE 01: GET DATA IN POWER BI DESKTOP	5
TASK 01: START POWER BI DESKTOP	5
TASK 02: GET DATA FROM SQL SERVER	6
TASK 03: PREVIEW DATA IN POWER QUERY EDITOR	8
TASK 04: GET DATA FROM A CSV FILE	12
TASK 05: FINISH THE LAB	13
EXERCISE 02: USE DYNAMIC M QUERY PARAMETERS IN POWER BI DESKTOP (OPTIONAL)	14
TASK 01: CREATE A DYNAMIC REPORT FOR A SINGLE VALUE	14
TASK 02: CREATE A DYNAMIC REPORT FOR MULTIPLE VALUES	18

Overview

In this lab, you'll get started with Power BI Desktop, connect to data, and use data preview techniques to understand the characteristics and quality of your source data.

You will:

- Open Power BI Desktop.
- Connect to multiple data sources.
- Preview source data with Power Query.
- Use Power Query's data profiling techniques.

Duration: This lab takes about 30 minutes.

Exercise 01: Get data in Power BI Desktop

Task 01: Start Power BI Desktop

In this task, you'll start by opening a Power BI starter file (.pbix). The starter file doesn't include any data, but it has been specifically configured to help you complete the lab.

The starter file has the following report-level settings disabled:

- Data Load – Import relationships from data sources on first load
- Data Load – Detect new relationships after data is loaded

While enabling these two options can be helpful when you're developing a data model, they've been disabled to support the lab environment. In the "Clean, transform, and load data in Power BI" lab, you'll create relationships and learn why each relationship is added.


1. On the lab machine, open a browser and navigate to the following URL to download the ZIP file. Alternatively, in the lab environment, select the **[Instructions]** tab and then select **[Download Lab Files]** to download the files. In that case, the files will be saved to the "Downloads" folder.

<https://github.com/MicrosoftLearning/PL-300-Microsoft-Power-BI-Data-Analyst/raw/Main/Allfiles/Labs/01-get-data-in-power-bi/01-get-data.zip>

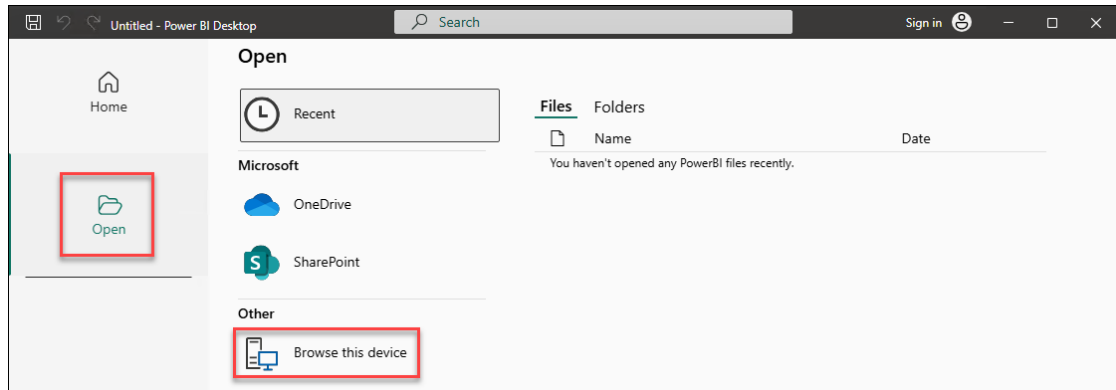
Get started with Power BI Desktop

Select the button below to download the files needed for this lab in order to bypass the download steps below.

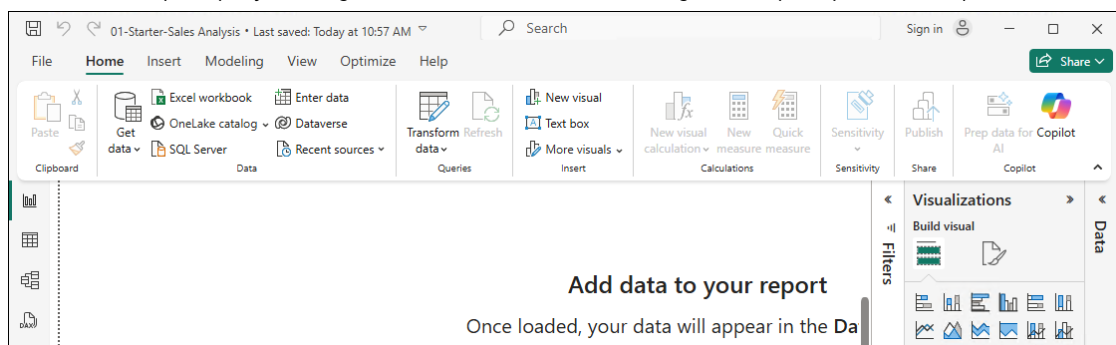
Download Lab Files

 If you used the Download Lab Files button above, skip the download steps below. The files will be in the designated folder.

2. Start **[Power BI Desktop]**. Select **[Open – Browse this device]**.



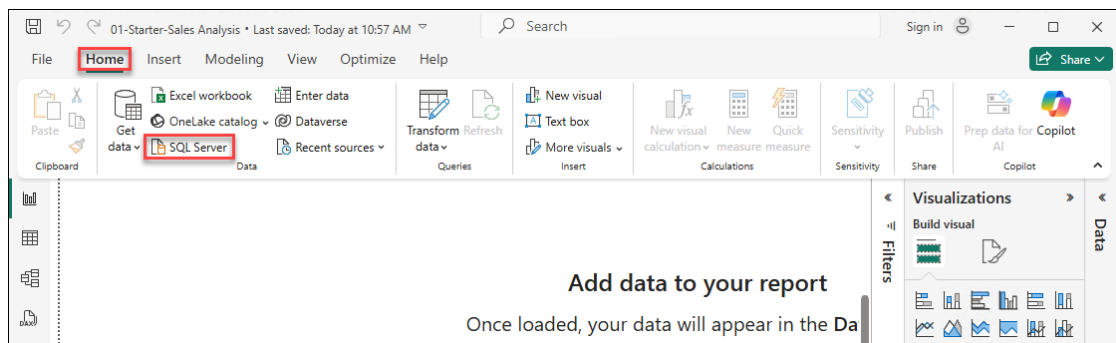
3. In the **[Open]** dialog, select the previously downloaded and extracted **01-Starter-Sales Analysis.pbix** file. If Power BI prompts you to sign in or ask for an email address, ignore the prompt (select Skip if shown).



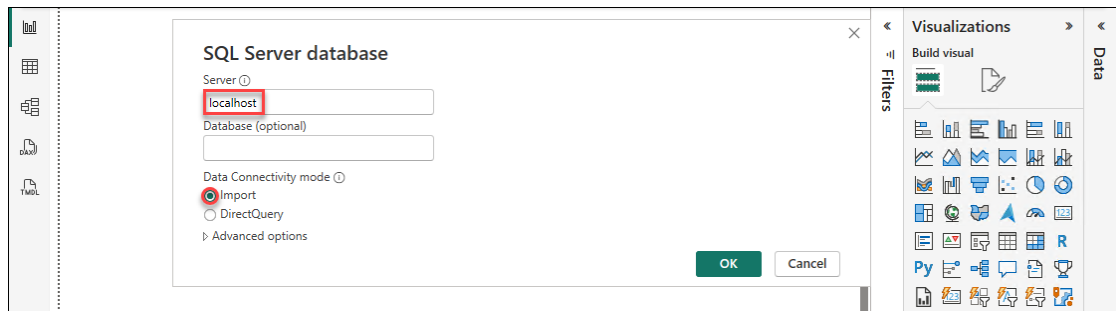
Task 02: Get data from SQL Server

In this task, you'll connect to a SQL Server database and use Power Query to create queries that import tables.

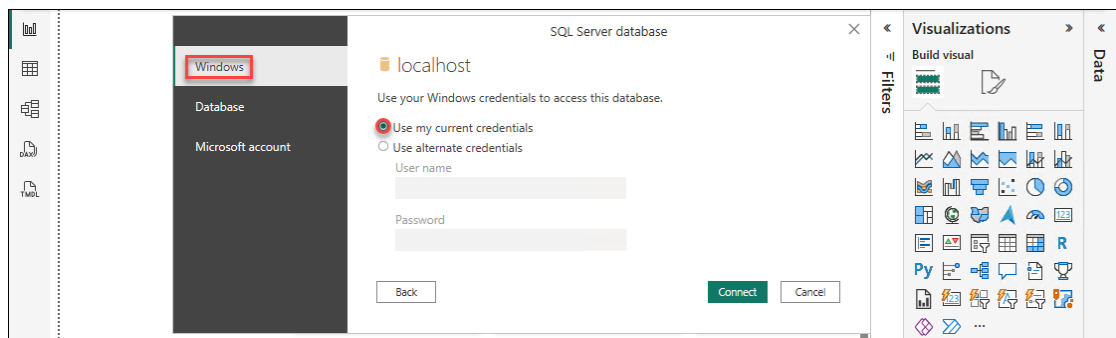
1. On the **[Home]** ribbon, select **[Data – SQL Server]**.



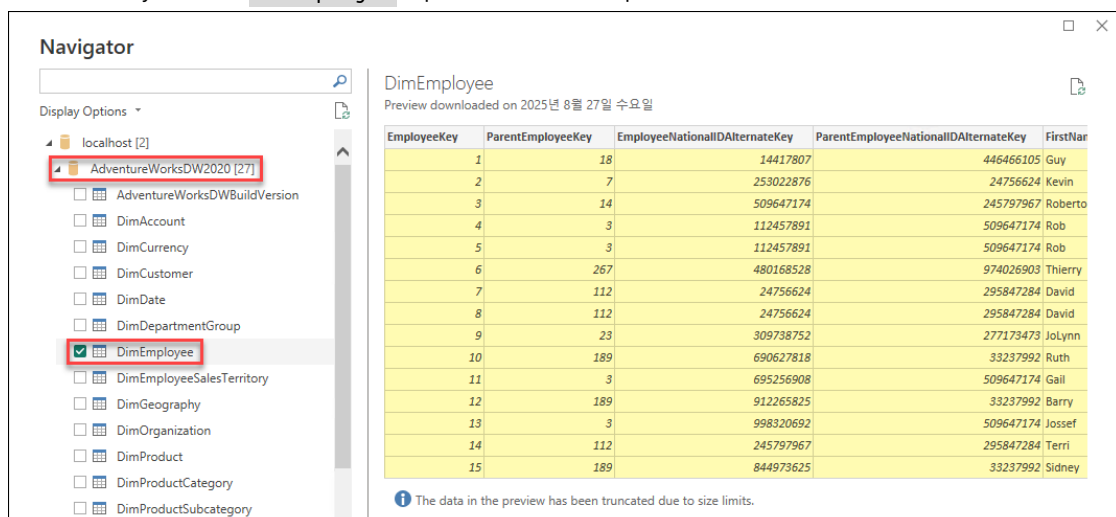
2. In the **[SQL Server database]** dialog, configure the settings as follows, and then select **[OK]**. For this lab, you'll connect to SQL Server using localhost so the gateway data source won't be discovered. This approach isn't recommended for production solutions.
 - Server: **localhost**
 - Data Connectivity mode: **Import**



3. In the [SQL Server database] dialog, select "Use my current credentials", and then select [Connect]. If the [Encryption Support] dialog appears, select [OK].



4. In the [Navigator] pane, expand the AdventureWorksDW2020 database, and then select the DimEmployee table.
- The AdventureWorksDW2020 database is based on the AdventureWorksDW2017 sample database and has been modified to support the learning objectives of this course lab.
 - When you select DimEmployee, a preview shows sample columns and rows from the table.



5. In the [Navigator] pane, select the following six tables, and then select [Transform Data]:
- DimEmployee
 - DimEmployeeSalesTerritory
 - DimProduct
 - DimReseller
 - DimSalesTerritory
 - FactResellerSales

Navigator

Display Options ▾

- ☒ DimEmployee
- ☒ DimEmployeeSalesTerritory
- ☐ DimGeography
- ☐ DimOrganization
- ☒ DimProduct
- ☐ DimProductCategory
- ☐ DimProductSubcategory
- ☐ DimPromotion
- ☒ DimReseller
- ☐ DimSalesReason
- ☒ DimSalesTerritory
- ☐ DimScenario
- ☐ FactCurrencyRate
- ☐ FactFinance
- ☐ FactInternetSales
- ☐ FactInternetSalesReason
- ☐ FactProductInventory
- ☒ FactResellerSales
- ☐ sysdiagrams
- ☐ fx fn_diagramobjects

FactResellerSales
Preview downloaded on 2025년 8월 27일 수요일

SalesOrderNumber	SalesOrderLineNumber	OrderDate	DueDate	ShipDate	ProductKey	ResellerKey
SO43659	1	2017-07-01	2017-07-11	2017-07-08	349	
SO43659	2	2017-07-01	2017-07-11	2017-07-08	350	
SO43659	3	2017-07-01	2017-07-11	2017-07-08	351	
SO43659	4	2017-07-01	2017-07-11	2017-07-08	344	
SO43659	5	2017-07-01	2017-07-11	2017-07-08	345	
SO43659	6	2017-07-01	2017-07-11	2017-07-08	346	
SO43659	7	2017-07-01	2017-07-11	2017-07-08	347	
SO43659	8	2017-07-01	2017-07-11	2017-07-08	229	
SO43659	9	2017-07-01	2017-07-11	2017-07-08	235	
SO43659	10	2017-07-01	2017-07-11	2017-07-08	218	
SO43659	11	2017-07-01	2017-07-11	2017-07-08	223	
SO43659	12	2017-07-01	2017-07-11	2017-07-08	220	
SO43660	1	2017-07-01	2017-07-11	2017-07-08	326	
SO43660	2	2017-07-01	2017-07-11	2017-07-08	319	
SO43661	1	2017-07-02	2017-07-12	2017-07-09	300	
SO43661	2	2017-07-02	2017-07-12	2017-07-09	296	
SO43661	3	2017-07-02	2017-07-12	2017-07-09	304	
SO43661	4	2017-07-02	2017-07-12	2017-07-09	223	
SO43661	5	2017-07-02	2017-07-12	2017-07-09	232	
SO43661	6	2017-07-02	2017-07-12	2017-07-09	293	
SO43661	7	2017-07-02	2017-07-12	2017-07-09	348	
SO43661	8	2017-07-02	2017-07-12	2017-07-09	351	

You're now connected to the data, and [Power Query Editor] opens for the next task.

Task 03: Preview data in Power Query Editor

In this task, you'll get oriented with [Power Query Editor] and profile the data. This review will help you decide how to clean and transform the data later. You'll examine both the dimension tables (prefixed with **Dim**) and the fact table (prefixed with **Fact**).

- In the [Power Query Editor] window, look at the [Queries] pane on the left. The [Queries] pane contains one query for each table you selected.

01-Starter-Sales Analysis

Home Transform Add Column View Tools Help

Close & Apply ~ New Source ~ Recent Sources ~ Enter Data ~ Data source settings ~ Manage Parameters ~ Refresh ~ Advanced Editor ~ Choose Columns ~ Remove Columns ~ Keep Rows ~ Remove Rows ~ Sort ~ Split Column ~ Group By ~ Data Type: ~ Use First R ~ Replace V ~

Queries [6]

- DimEmployee
- DimEmployeeSalesTerritory
- DimProduct
- DimReseller
- DimSalesTerritory
- FactResellerSales

FactResellerSales

SalesOrderNumber	SalesOrderLineNumber	OrderDate	DueDate
1	SO43659	1	2017-07-01
2	SO43659	2	2017-07-01
3	SO43659	3	2017-07-01
4	SO43659	4	2017-07-01
5	SO43659	5	2017-07-01
6	SO43659	6	2017-07-01
7	SO43659	7	2017-07-01

Query Settings

PROPERTIES

Name: FactResellerSales

APPLIED STEPS

Source

Navigation

- In the [Power Query Editor], select the **DimEmployee** query in the [Queries] pane.
 - The **DimEmployee** table in SQL Server stores one row per employee. A subset of these rows represents salespeople relevant to the model you'll build.
 - In the lower-left of the status bar, you can see basic table statistics. For this table, there are **33 columns** and **296 rows**.

33 COLUMNS, 296 ROWS Column profiling based on top 1000 rows

3. In the data preview, scroll to the right to review all columns. The last five columns contain **Table** or **Value** links.
- These five columns indicate relationships to other tables in the database.
 - You can use these columns to join tables: you'll perform those joins in the "Clean, transform, and load data in Power BI" lab.

33 COLUMNS, 296 ROWS Column profiling based on top 1000 rows

4. To access column quality, on the [View] ribbon, select [Data Preview – Column quality]. The column quality feature lets you quickly see the percentage of **Valid**, **Error**, or **Empty** values found in each column.
- Confirm that the **Position** column has **94%** empty rows.

01-Starter-Sales Analysis

Home Transform Add Column **View** Tools Help

Query Settings ☒ Monospaced ☐ Column distribution ☐ Always allow ☒ Show whitespace ☐ Column profile ☒ **Column quality**

Layout Data Preview Parameters Columns Advanced Dependencies

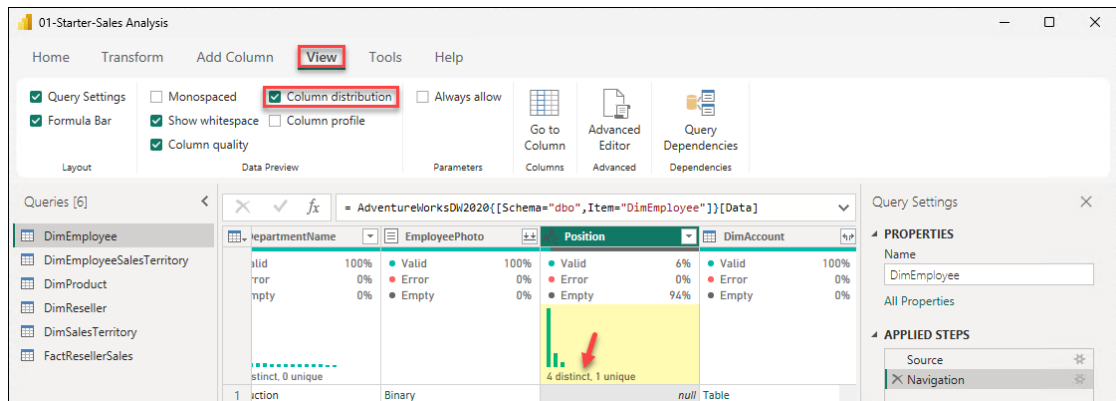
Queries [6] = AdventureworksDW2020[Schema="dbo",Item="DimEmployee"] [Data]

Column	Valid	Error	Empty
DepartmentName	100%	0%	0%
EmployeePhoto	100%	0%	0%
Position	6%	0%	94%
DimAccount	100%	0%	0%

Properties: Name: DimEmployee

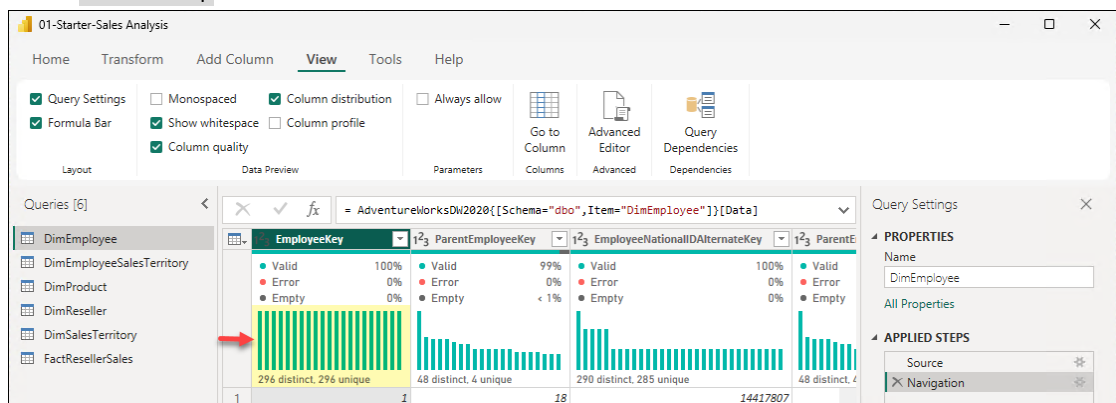
Applied Steps: Source, Navigation

5. To review column distribution, on the [View] ribbon select [Data Preview – Column distribution].
- Confirm that the Position column shows **4 distinct** values and **1 unique** value.

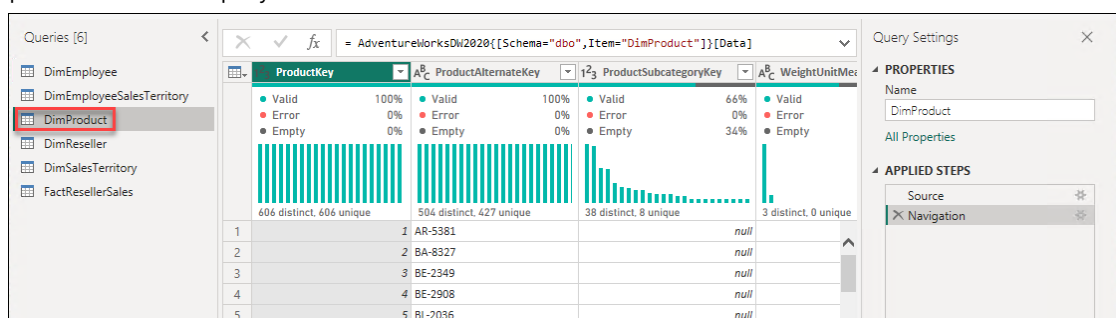


6. Review the distribution for the **EmployeeKey** column. Confirm that it shows **296 distinct values** and **296 unique values**.

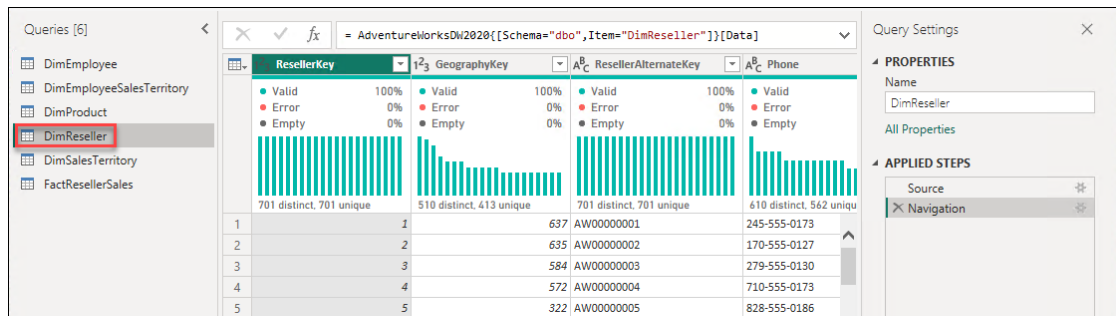
- When the **distinct count** and **unique count** are the same, the column contains only unique values. *Distinct* means the number of different values present; *unique* means values that appear exactly once in the column. For example, if a column has five **A** values, three **B** values, and one **C** value, the **distinct count** is **3**, while the **unique count** is **1**.
- Having unique columns in some model tables is important for modeling. You'll use such unique columns to create one-to-many relationships in the "Configure a semantic model in Power BI Desktop" lab.



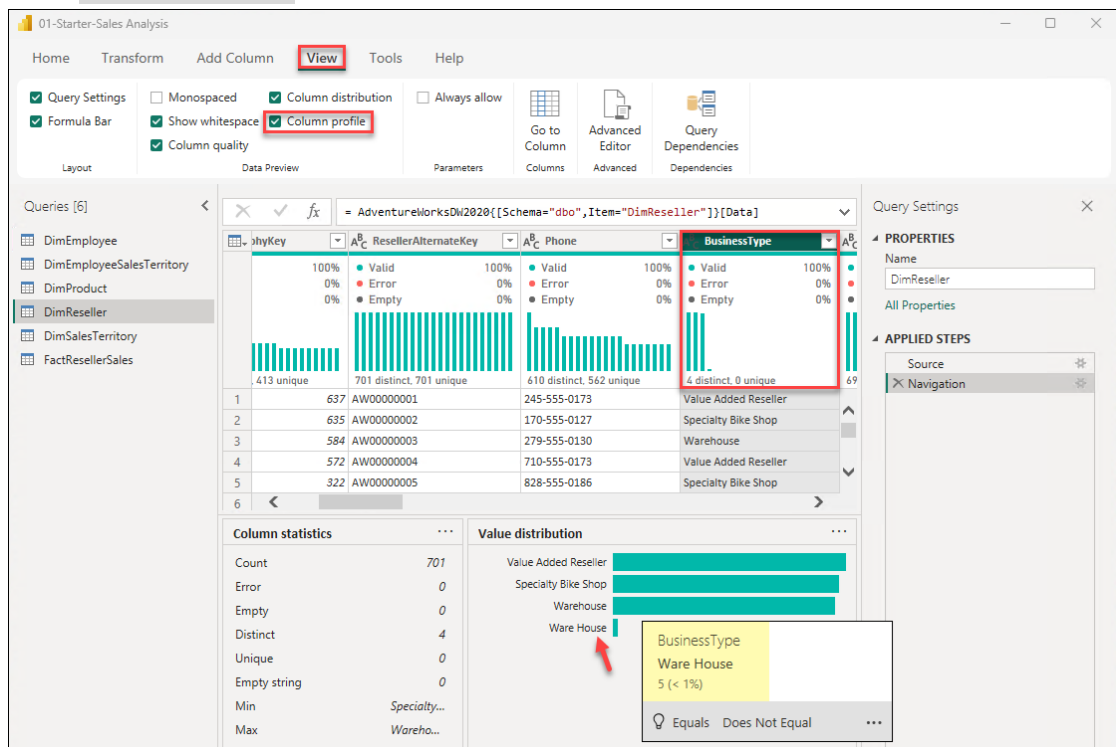
7. In the [Queries] pane, select the **DimProduct** query. The **DimProduct** table contains one row for each product that the company sells.



8. In the [Queries] pane, select the **DimReseller** query. The **DimReseller** table contains reseller information, with one row per reseller. Resellers sell, distribute, or add value to Adventure Works products.



9. On the **[View]** ribbon, select **[Data Preview – Column profile]**. Then select the **BusinessType** column header and confirm that a new pane appears below the data preview.
 - In the data preview, review the **Column statistics** and **Value distribution**.
 - In the "Value distribution" area, confirm there are two labels: "Warehouse" and "Ware House". "Ware House" is a misspelling of "Warehouse".
 - Hover over the "Ware House" bar to confirm that **5 rows** contain this value. You'll fix the labels for these five rows by applying a transformation in the "Clean, transform, and load data in Power BI Desktop" lab.



10. In the **[Queries]** pane, select the **DimSalesTerritory** query. The **DimSalesTerritory** table contains one row per sales territory, including the company headquarters.
 - **Regions** are assigned to a **Country**, and **Countries** are assigned to a **Group**.
 - In the "Configure a semantic model in Power BI Desktop" lab, you'll create a hierarchy that supports analysis at the **region**, **country**, and **group** levels.

Queries [6]

- DimEmployee
- DimEmployeeSalesTerritory
- DimProduct
- DimReseller
- DimSalesTerritory**
- FactResellerSales

fx = AdventureworksDW2020{[Schema="dbo",Item="DimSalesTerritory"]}[Data]

SalesTerritoryKey	SalesTerritoryAlternateKey	SalesTerritoryRegion	SalesTerritory
1	1	Northwest	United States
2	2	Northeast	United States
3	3	Central	United States
4	4	Southwest	United States
5	5	Southeast	United States

Query Settings

PROPERTIES

Name: DimSalesTerritory

APPLIED STEPS

Source

Navigation

11. In the [Queries] pane, select the **FactResellerSales** query. The **FactResellerSales** table contains one row per sales order, and each sales order includes one or more **line items**.

- Review the **column quality** for the **TotalProductCost** column and confirm that **8%** of rows are empty.
- Missing values in **TotalProductCost** represent a data quality issue. To address this, in the "Clean, transform, and load data in Power BI Desktop" lab you'll apply a transformation that fills the missing values by using the **standard cost** stored in the related **DimProduct** table.

Queries [6]

- DimEmployee
- DimEmployeeSalesTerritory
- DimProduct
- DimReseller
- DimSalesTerritory
- FactResellerSales**

fx = AdventureworksDW2020{[Schema="dbo",Item="FactResellerSales"]}[Data]

UnitPrice	TotalProductCost	SalesAmount	DimDate(OrderDate)
2024.99	106 distinct, 28 unique	105 distinct, 28 unique	Value
2024.99	6074.97	Value	Value
2024.99	Value	Value	Value
2039.99	Value	Value	Value
2039.99	Value	Value	Value

Query Settings

PROPERTIES

Name: FactResellerSales

APPLIED STEPS

Source

Navigation

Task 04: Get data from a CSV file

In this task, you'll create a new query from a CSV file.

- On the [Home] ribbon, select [New Query – New Source – Text/CSV]. Select the previously downloaded **ResellerSalesTargets.csv** file, and then select [Open].

01-Starter-Sales Analysis

Home Transform Add Column View Tools Help

Close & Apply, New Source, Recent Sources, Enter Data, Data source settings, Manage Parameters, Refresh Preview, Advanced Editor, Choose Columns, Remove Columns, Keep Rows, Remove Rows, Sort, Split Column, Group By, Data Type, Use First R, Replace V2, Transform

Queries [6]

- SQL Server
- Analysis Services
- DimEmp
- DimEmp
- DimProd
- DimRese
- DimSale
- FactRese

fx = AdventureworksDW2020{[Schema="dbo",Item="FactResellerSales"]}[Data]

UnitPrice	TotalProductCost	SalesAmount	DimDate(OrderDate)
2024.99	106 distinct, 28 unique	105 distinct, 28 unique	Value
2024.99	6074.97	Value	Value
2024.99	Value	Value	Value
2039.99	Value	Value	Value
2039.99	Value	Value	Value

Query Settings

PROPERTIES

Name: FactResellerSales

APPLIED STEPS

Source

Navigation

- In the **ResellerSalesTargets.csv** dialog, review the preview data, and then select [OK].

ResellerSalesTargets.csv

File Origin: 1200: Unicode | Delimiter: Comma | Data Type Detection: Based on first 200 rows

Year	EmployeeID	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12
2017	61161660	-	-	-	-	-	-	200	400	600	400	800	800
2017	90836195	-	-	-	-	-	-	100	200	300	400	400	500
2017	112432117	-	-	-	-	-	-	500	1500	1000	1000	2200	1750
2017	139397894	-	-	-	-	-	-	100	200	300	300	300	500
2017	191644724	-	-	-	-	-	-	100	450	500	200	750	750
2018	399771412	150	175	200	225	200	225	500	500	500	500	500	500

The data in the preview has been truncated due to size limits.

Extract Table Using Examples OK Cancel

- In the [Queries] pane, confirm that the **ResellerSalesTargets** query has been added. The **ResellerSalesTargets** CSV file contains one row per salesperson per year.
 - Each row records **12 monthly sales targets** (in thousands).
 - Adventure Works** uses a fiscal year that starts on **July 1**.
 - Verify that none of the columns contain empty values. Where a monthly target is missing, a **hyphen (-)** is stored instead.
 - Review the icon to the left of each column header. The icon indicates the column's data type: **123** means **Whole Number** (integer), and **ABC** means **Text**.

Queries [7]

DimEmployee
DimEmployeeSalesTerritory
DimProduct
DimReseller
DimSalesTerritory
FactResellerSales
ResellerSalesTargets

Table.TransformColumnTypes(#"Promoted Headers",{"Year", Int64.Type}, ...)

Year	EmployeeID	M01	M02
2017	61161660	-	-
2017	90836195	-	-
2017	112432117	-	-
2017	139397894	-	-
2017	191644724	-	-

Query Settings

PROPERTIES
Name: ResellerSalesTargets

APPLIED STEPS
Source
Promoted Headers
X Changed Type

- Repeat the same steps to import the **ColorFormats.csv** file. The **ColorFormats** CSV file contains one row per product color. Each row specifies background and font color formatting by using **HEX** codes.

Queries [8]

DimEmployee
DimEmployeeSalesTerritory
DimProduct
DimReseller
DimSalesTerritory
FactResellerSales
ColorFormats

Table.TransformColumnTypes(Source,{"Column1", type text}, {"Column2", ...})

Column1	Column2	Column3
Color	Background Color Format	Font Color Format
Black	#000000	#FFFFFF
Blue	#0000FF	#FFFFFF
Grey	#808080	#FFFFFF
Multi	#BC8F8F	#000000

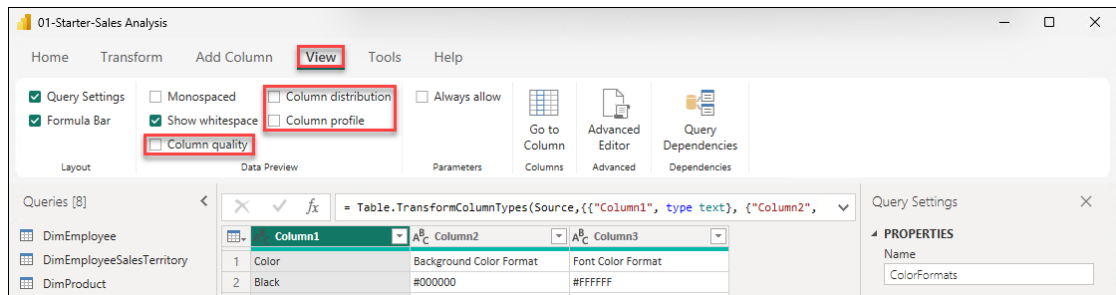
Query Settings

PROPERTIES
Name: ColorFormats

APPLIED STEPS
Source
X Changed Type

Task 05: Finish the lab

- On the [View] ribbon, in [Data Preview], clear the check boxes for "Column quality", "Column distribution", and "Column profile".

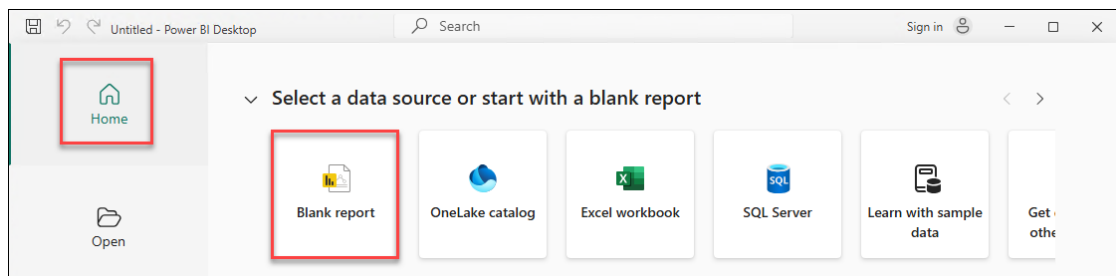


Exercise 02: Use dynamic M query parameters in Power BI Desktop (Optional)

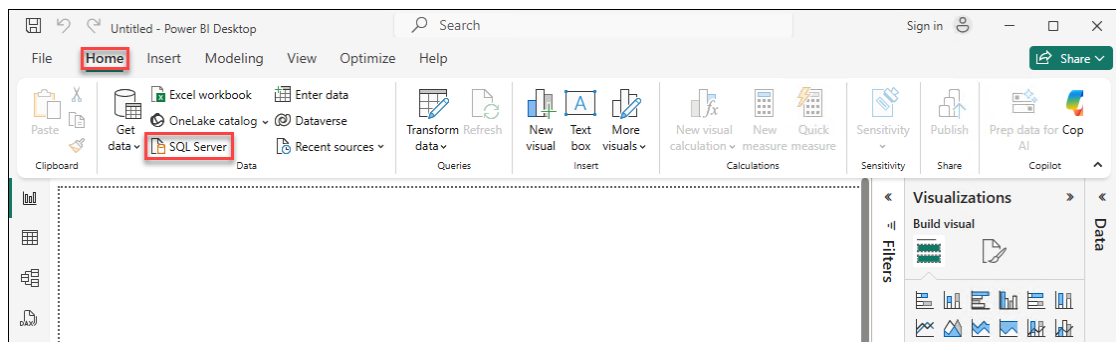
In this exercise, you'll create and use dynamic M query parameters in Power BI Desktop. This exercise is optional.

Task 01: Create a dynamic report for a single value

1. Open Power BI Desktop, then select [Home – Blank report].



2. In Power BI Desktop, on the [Home] ribbon, select [Data – SQL Server].



3. In the [SQL Server database] dialog, configure the settings as follows, and then select [OK].
 - Server: localhost
 - Database: AdventureWorksDW2020
 - Data Connectivity mode: Import
 - Expand "Advanced options", and in SQL statement, enter the SQL query provided by the lab instructions.

```
SELECT *
FROM DimEmployee
```

SQL Server database

Server ①
localhost

Database (optional)
AdventureWorksDW2020

Data Connectivity mode ①
☒ Import
☐ DirectQuery

Advanced options
Command timeout in minutes (optional)

SQL statement (optional, requires database)
SELECT *
FROM DimEmployee

☒ Include relationship columns
☐ Navigate using full hierarchy

OK Cancel

4. In the [localhost: AdventureWorksDW2020] dialog, select [Transform Data].

localhost: AdventureWorksDW2020

EmployeeKey	ParentEmployeeKey	EmployeeNationalIDAlternateKey	ParentEmployeeNationalIDAlternateKey	FirstName	LastName	MiddleInitial
1	18	14417807	446466105	Guy	Gilbert	R
2	7	253022876	24756624	Kevin	Brown	F
3	14	509647174	245797967	Roberto	Tamburello	
4	3	112457891	509647174	Rob	Walters	
5	3	112457891	509647174	Rob	Walters	

The data in the preview has been truncated due to size limits.

Load Transform Data Cancel

5. In [Power Query Editor], on the [Home] ribbon, select [Parameters – Manage Parameters – New Parameter].

Untitled - Power Query Editor

Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Data Sources Manage Parameters Refresh Preview Advanced Editor Properties Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Use First Row Replace Values Transform

Queries [1]
Query1

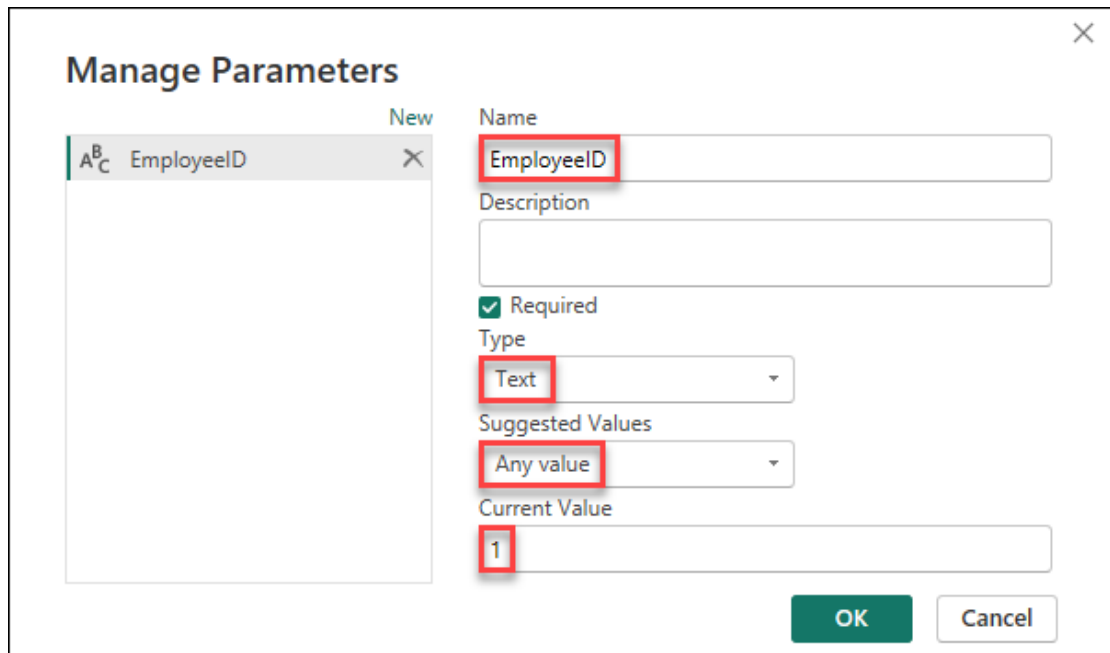
EmployeeKey 1 2 3
1 2 3
18 7 14
14417807 253022876 509647174
ParentEmployeeKey 18 7 14
ParentEmployeeNationalIDAlternateKey 446466105 24756624 245797967

Manage Parameters
New Parameter

Query Settings
Name: Query1
All Properties

6. In the [Manage Parameters] dialog, configure the settings as follows, and then select [OK].

- Name: EmployeeID
- Type: Text
- Suggested Values: Any value
- Current Value: 1



Manage Parameters

New

EmployeeID

Name: EmployeeID

Description:

☒ Required

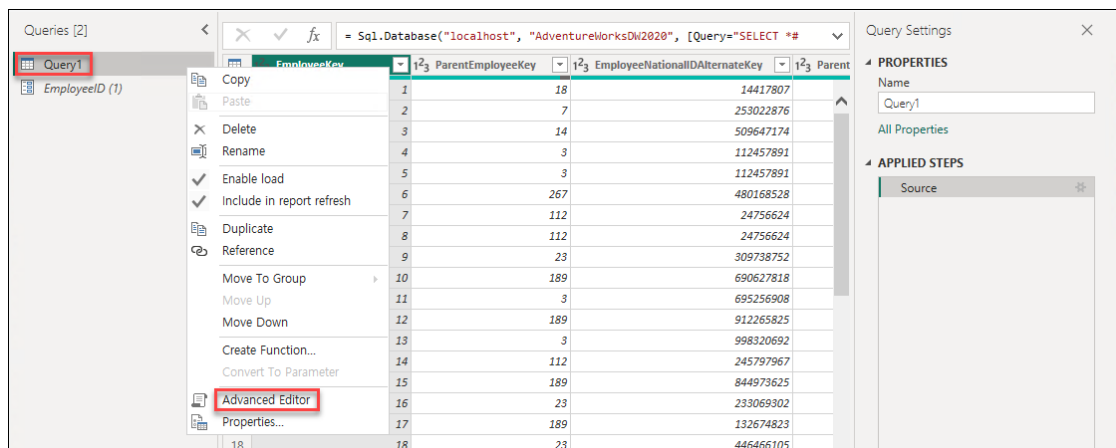
Type: Text

Suggested Values: Any value

Current Value: 1

OK Cancel

7. In the [Queries] pane, right-click **Query1**, and then select [Advanced Editor].



Queries [2]

Query1

EmployeeID (1)

Copy

Paste

Delete

Rename

Enable load

Include in report refresh

Duplicate

Reference

Move To Group

Move Up

Move Down

Create Function...

Convert To Parameter

Advanced Editor

Properties...

Query Settings

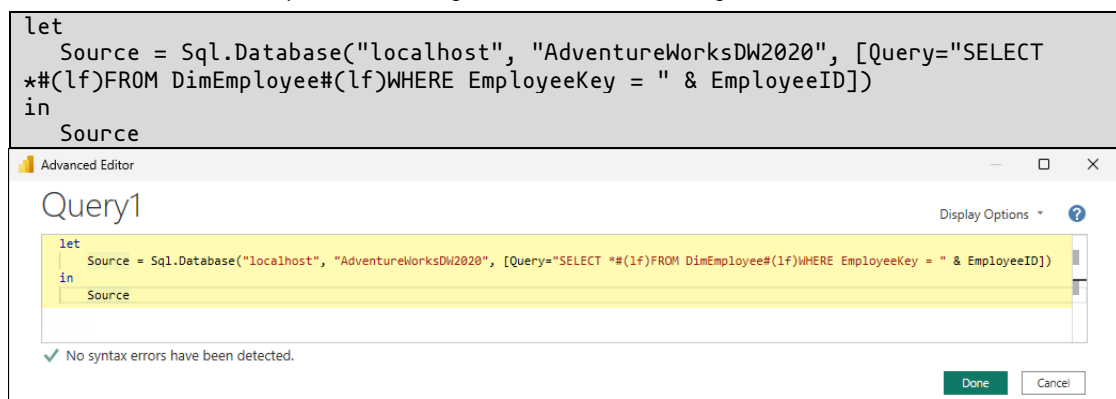
PROPERTIES

Name: Query1

APPLIED STEPS

Source

8. In the [Advanced Editor], replace the existing M code with the following, and then select [Done].



```
let
    Source = Sql.Database("localhost", "AdventureWorksDW2020", [Query="SELECT
    *#(lf)FROM DimEmployee#(lf)WHERE EmployeeKey = " & EmployeeID])
in
    Source
```

Advanced Editor

Query1

Display Options

let

Source = Sql.Database("localhost", "AdventureWorksDW2020", [Query="SELECT *#(lf)FROM DimEmployee#(lf)WHERE EmployeeKey = " & EmployeeID])

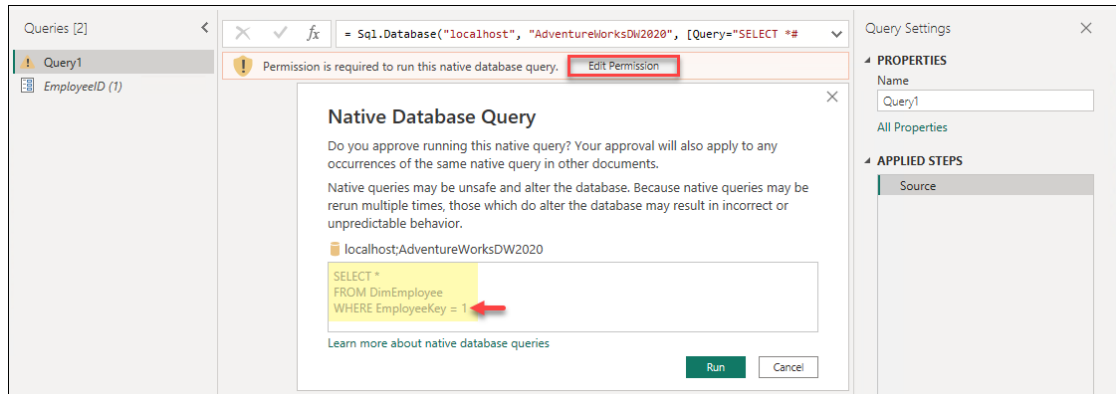
in

Source

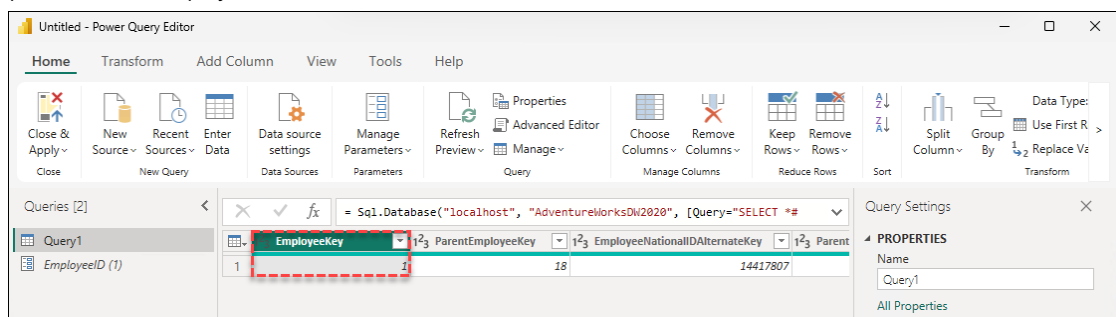
✓ No syntax errors have been detected.

Done Cancel

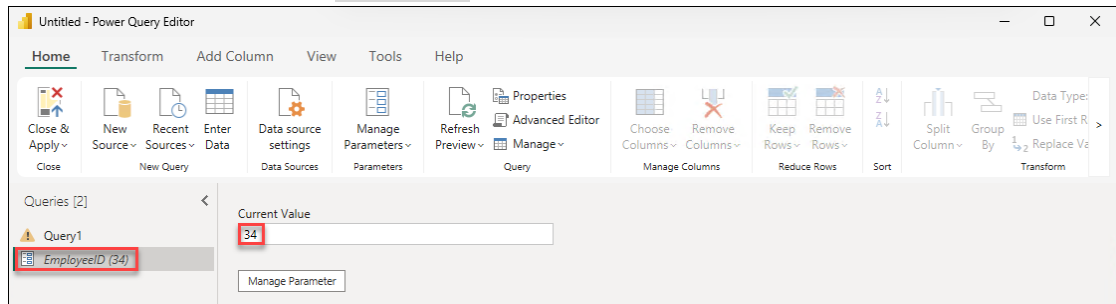
9. If you see the message "Permission is required to run this native database query", select [Edit Permission]. In the [Native Database Query] dialog, verify that the WHERE clause is shown correctly, and then select [Run].



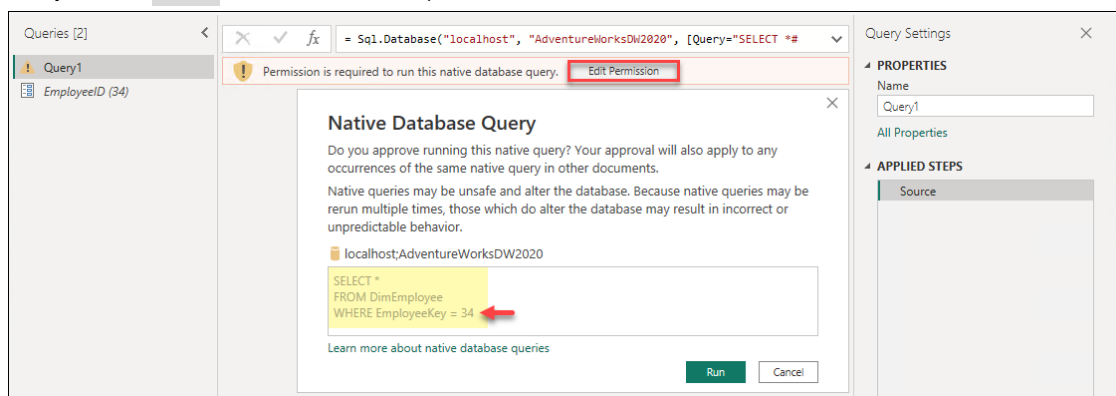
10. In the data preview, confirm that only the row(s) matching the **EmployeeKey** value you entered in the parameter are displayed.



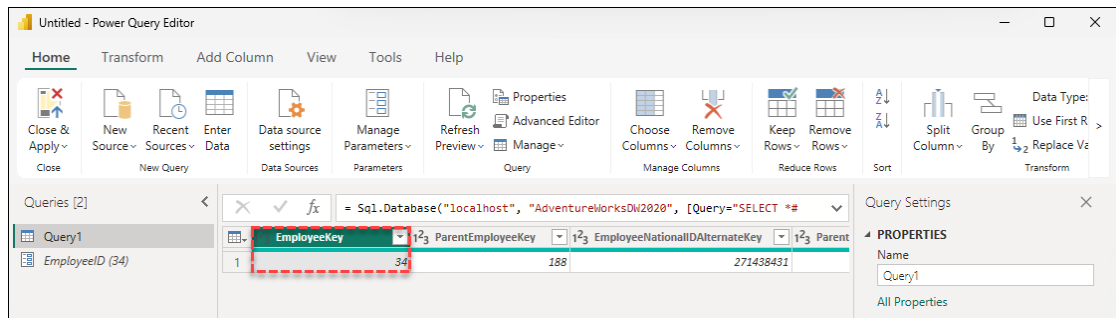
11. In the [Queries] pane, select the **EmployeeID** parameter, and change its value to a different number.



12. In the [Queries] pane, select **Query1**, then select [Edit Permission]. In the [Native Database Query] dialog, verify that the **WHERE** clause reflects the updated value, and then select [Run].



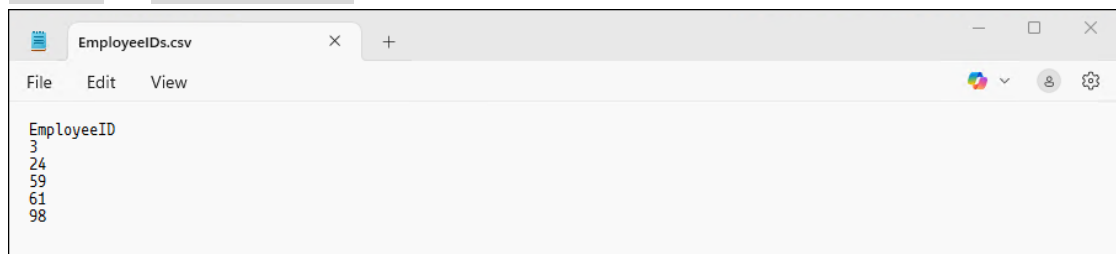
13. In the data preview, confirm that only the rows for the selected **EmployeeKey** value are displayed.



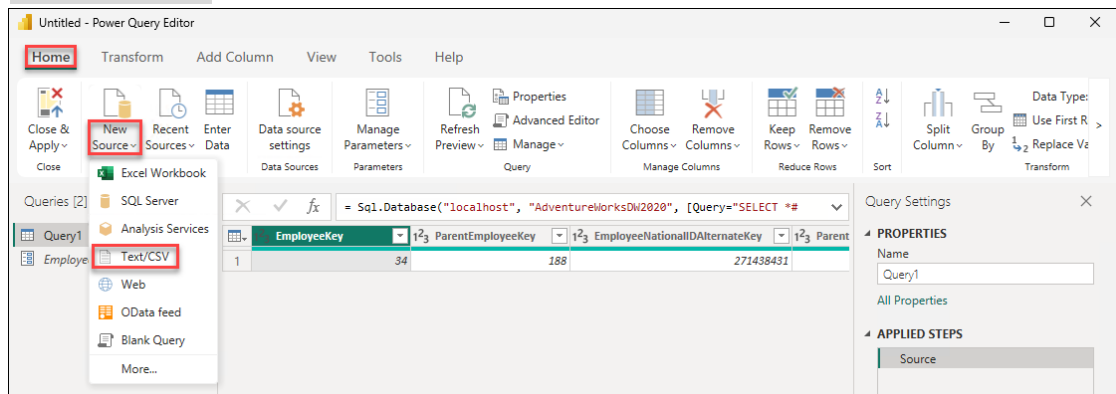
Task 02: Create a dynamic report for multiple values

In the previous task, only the data that matched a single `EmployeeKey` was displayed. In this task, you'll proceed as follows to view data for **multiple** `EmployeeKeys`.

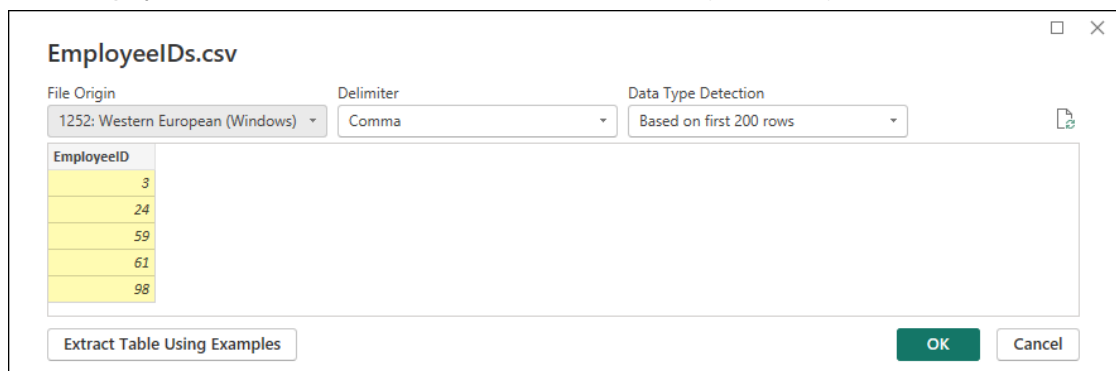
1. Open **Notepad** and enter the data shown below. Save the file as `EmployeeIDs.csv`. When saving, set "Save as type" to "All files (*.*)".



2. In [Power Query Editor], on the [Home] ribbon, select [New Query – New Source – Text/CSV]. Select the `EmployeeIDs.csv` file you created earlier, and then select [Open].

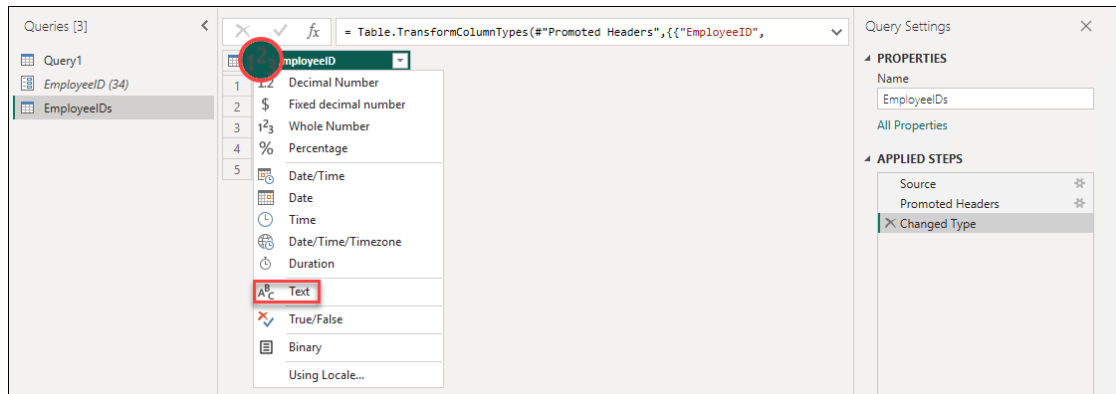


3. In the [EmployeeIDs.csv] dialog, review that the entered data is displayed correctly, and then select [OK].

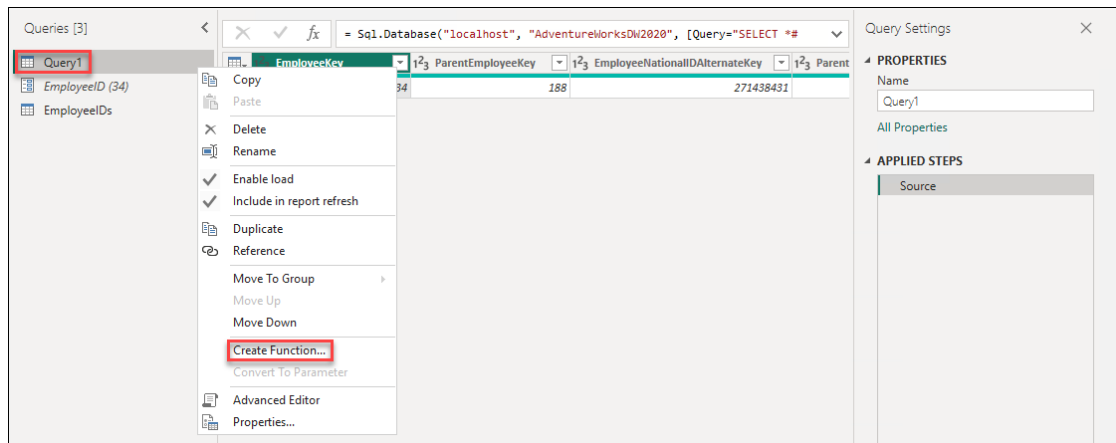


4. In the [Queries] pane, select the added `EmployeeIDs` query. Select `123` to the left of the `EmployeeID` column

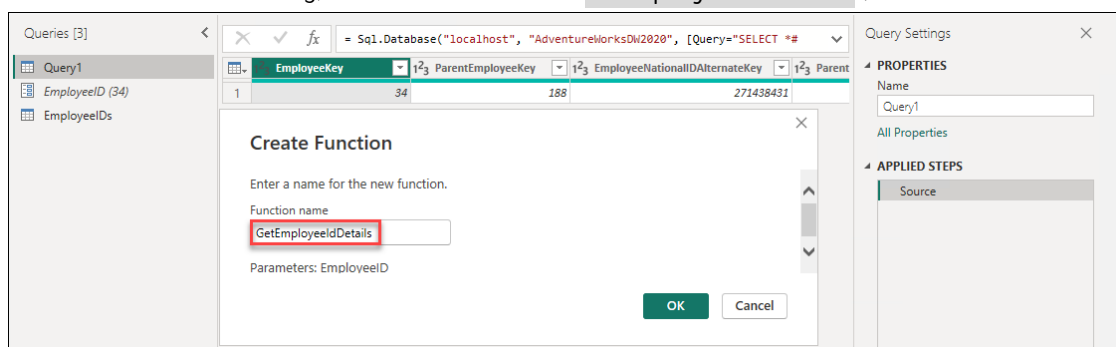
name, and change the **Data type** to **Text**. When the **[Change Column Type]** dialog appears, select **[Replace current]**.



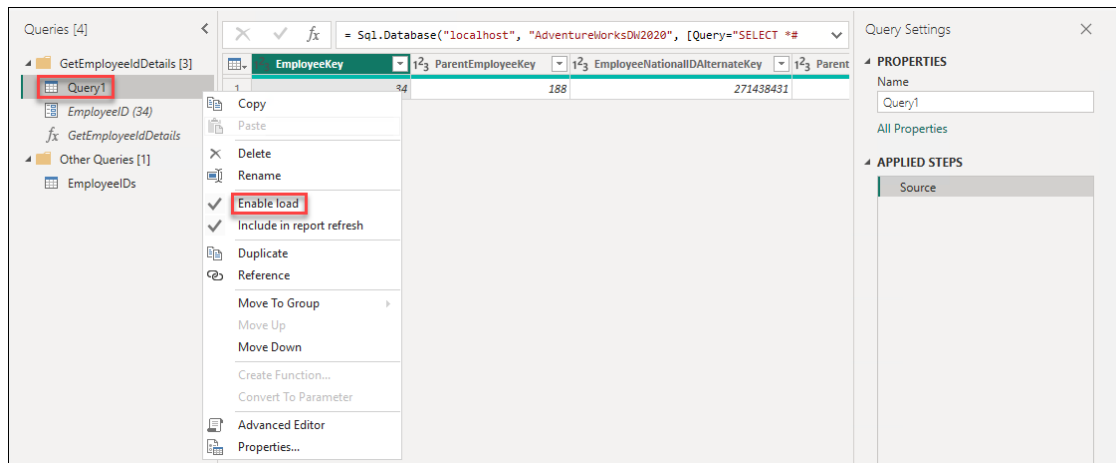
- Now apply this to the query you imported with the SQL statement. In the **[Queries]** pane, right-click **"Query1"**, and then select **[Create Function...]**.



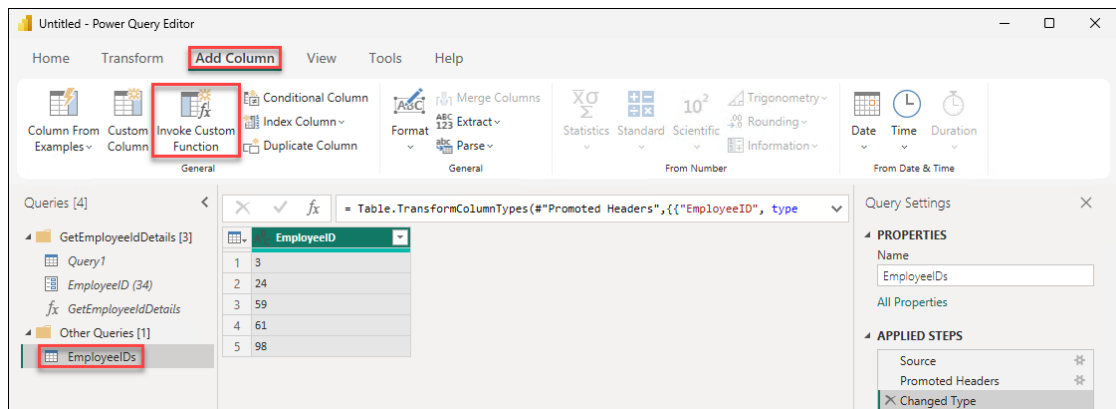
- In the **[Create Function]** dialog, set the function name to **"GetEmployeeIdDetails"**, and then select **[OK]**.



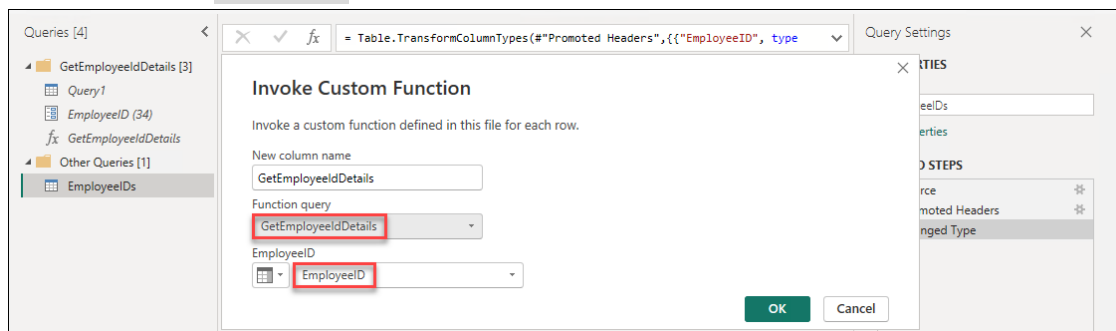
- Since you no longer need to view the base query table, it's best to disable loading for this query. In the **[Queries]** pane, right-click **"Query1"**, and clear **[Enable load]**.



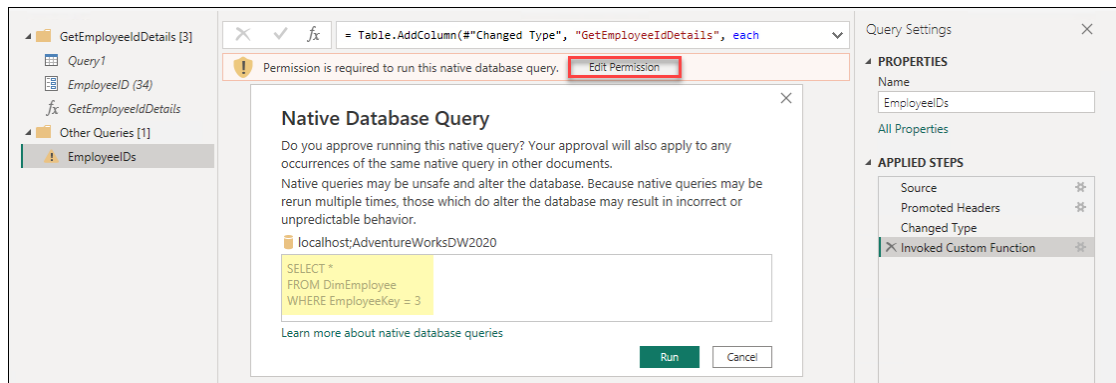
8. To return only the data for the **EmployeeIDs** listed in the CSV, call the function you created. In the [Queries] pane, select the "EmployeeIDs" query. On the [Add Column] ribbon, select [General – Invoke Custom Function].



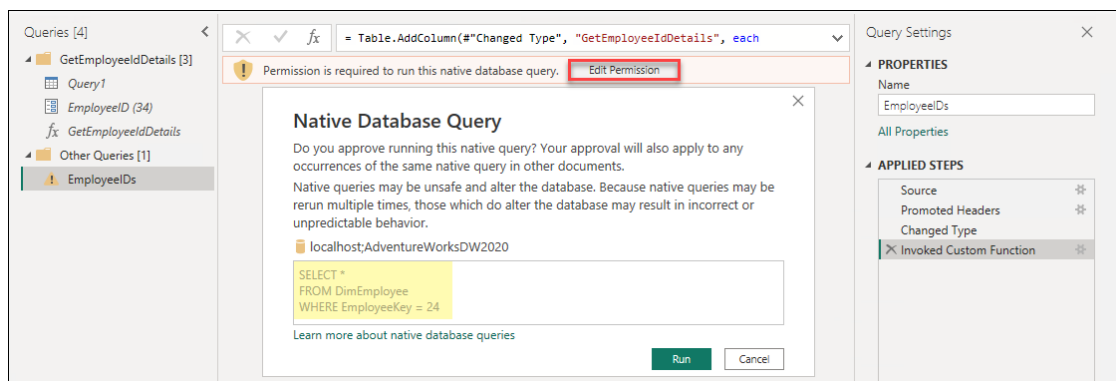
9. In the [Invoke Custom Function] dialog, configure the settings as follows, and then select [OK].
- New column name: No need to specify; it will be set automatically when you choose the function query.
 - Function query: **GetEmployeeIdDetails**
 - EmployeeID: **EmployeeID**



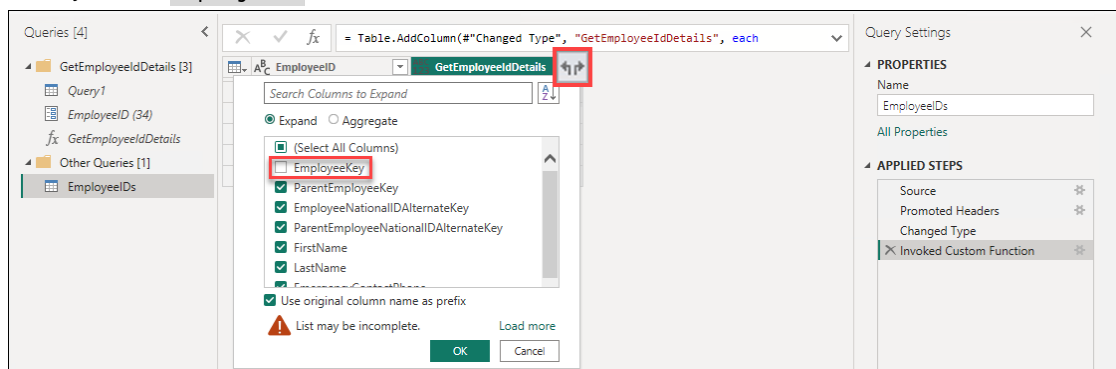
10. In the [Queries] pane, select the **EmployeeIDs** query, then select [Edit Permissions]. In the [Native Database Query] dialog, select [Run]. If you see "Information is required about data privacy.", select [Continue]. In the [Privacy levels] dialog, select "Ignore privacy levels checks for this file", and then select [Save].



11. The permission prompt appears again. Because you entered **five** EmployeeIDs in the CSV file, you'll see this permission message **five times**. Each time, select **[Edit Permission]**, and then select **[Run]**.



12. In the data preview, you should now see results similar to the screenshot. Select the **[expand]** icon (two arrows) on the **GetEmployeeIdDetails** column. In the expand dialog, **clear** the **EmployeeKey** column (you already have an **EmployeeID** column), and then select **[OK]**.



13. Confirm that all rows for the **EmployeeIDs** you entered in the CSV file are now displayed.

