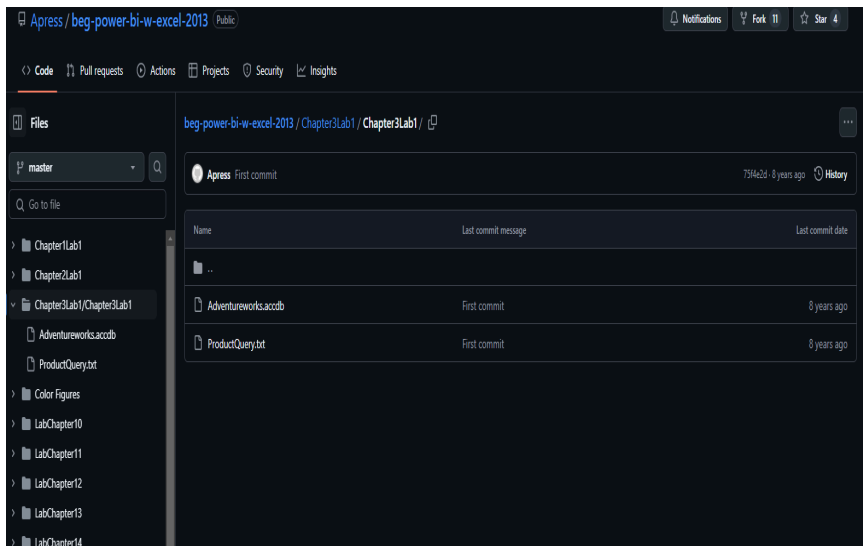| EXP.NO:2a	CREATING DATA MODEL IN POWER PIVOT	Name:
DATE:		Roll no:

AIM:

To create a data model, manage relationships among the datasets, thereby creating new cardinality between them in power pivot.
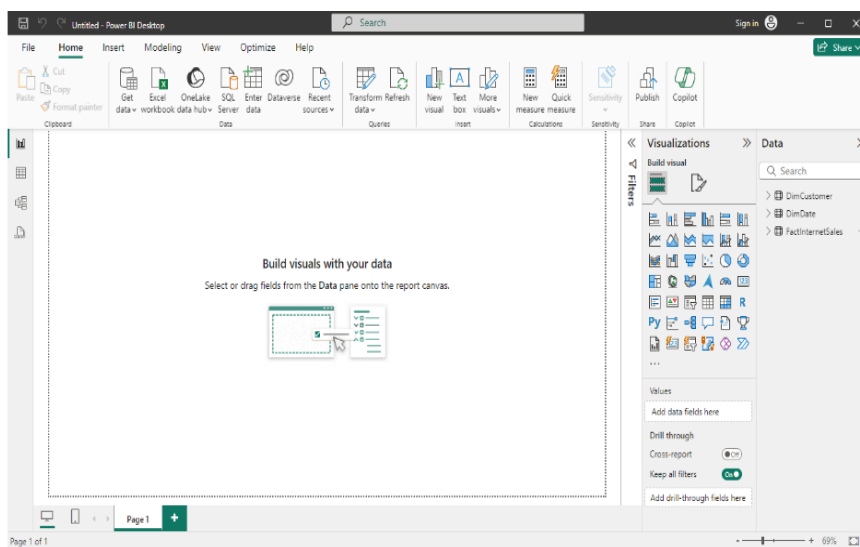
PROCEDURE:

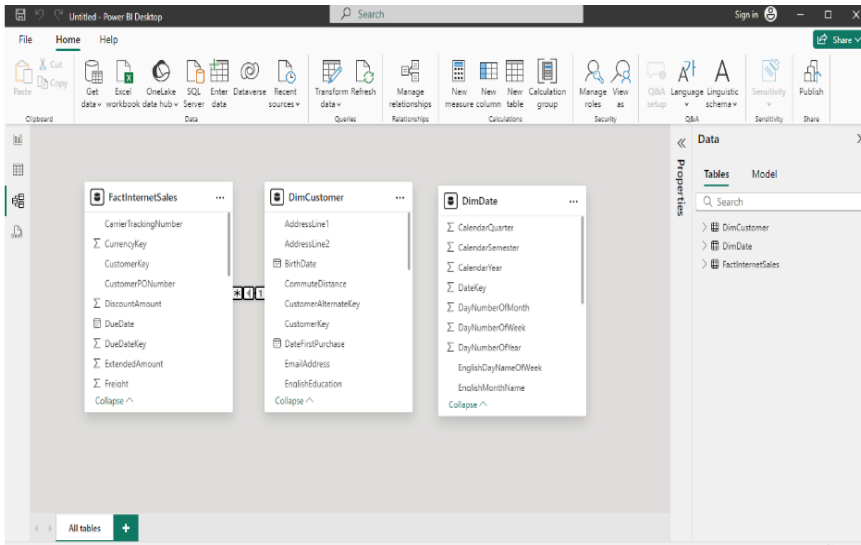**STEP 1:** Download the dataset using the below link.

https://github.com/Apress/beg-power-bi-w-excel-2013/blob/master/Chapter3Lab1/Chapter3Lab1/Adventureworks.accdb

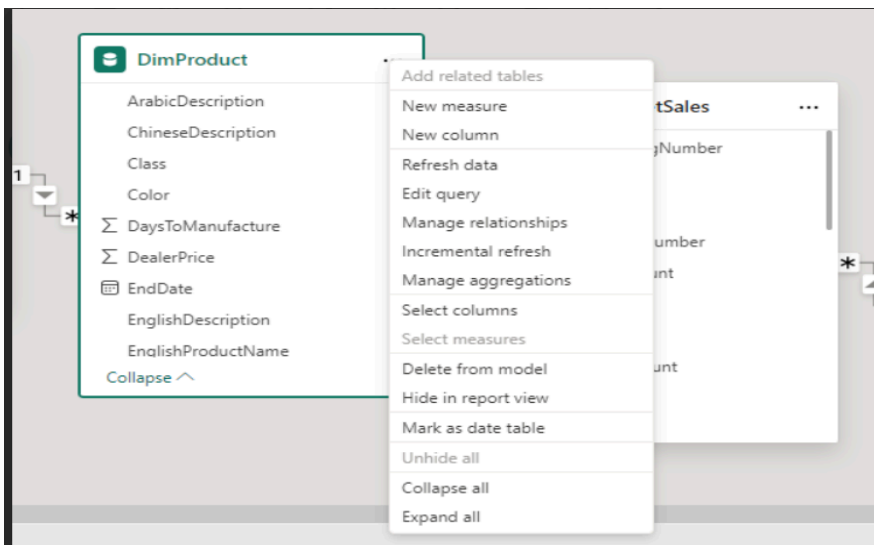**STEP 2:** Load the data to launch the Power Query.

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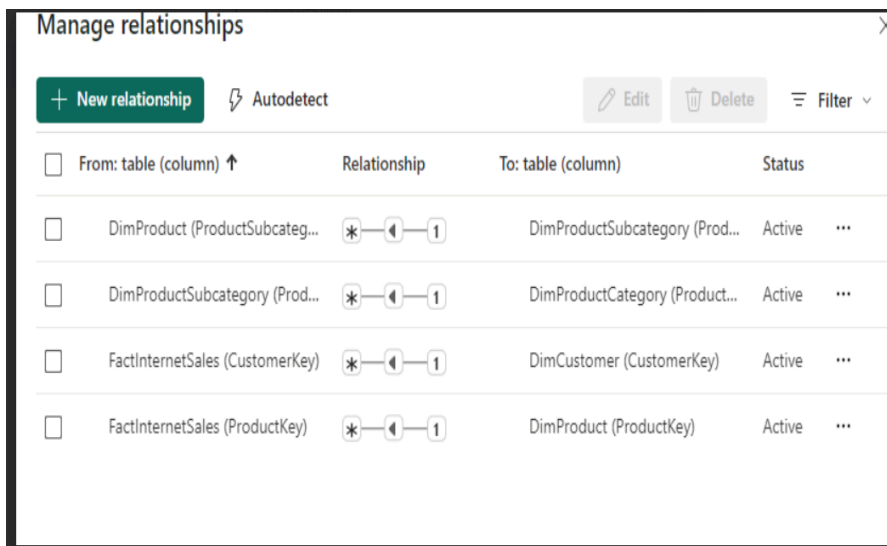**STEP 3:** Switch to model view in Power BI.

By default a one-many relationship established between DimCustomer and FactInternetSales tables.
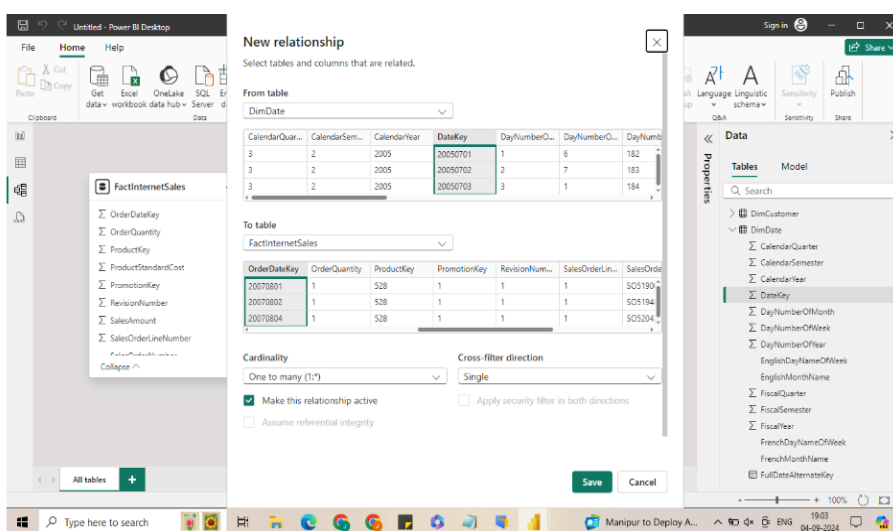
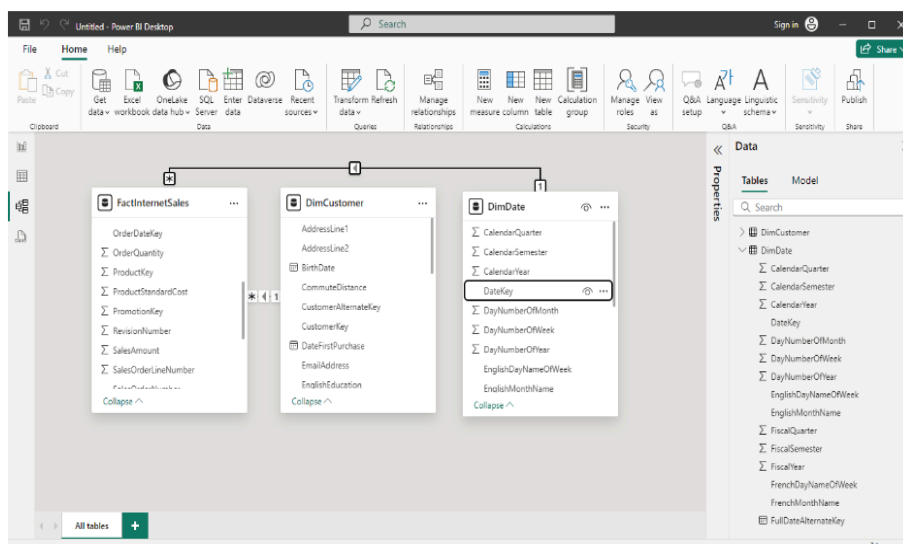**STEP 4:** Select Manage relationship

STEP 5: Click on New relationship button to create a new relation among tables.

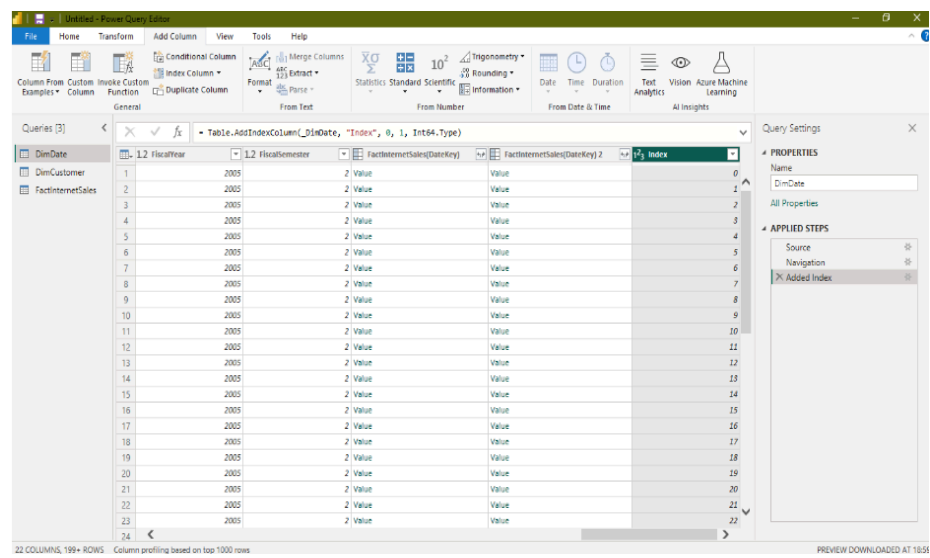Select DimDate and FactInternetSales table to produce a new relationship and give save.

STEP 6: Give Save to create and view the new relationship.

One-many relationship established between the DateKey column of DimDate and OrderDateKey column of
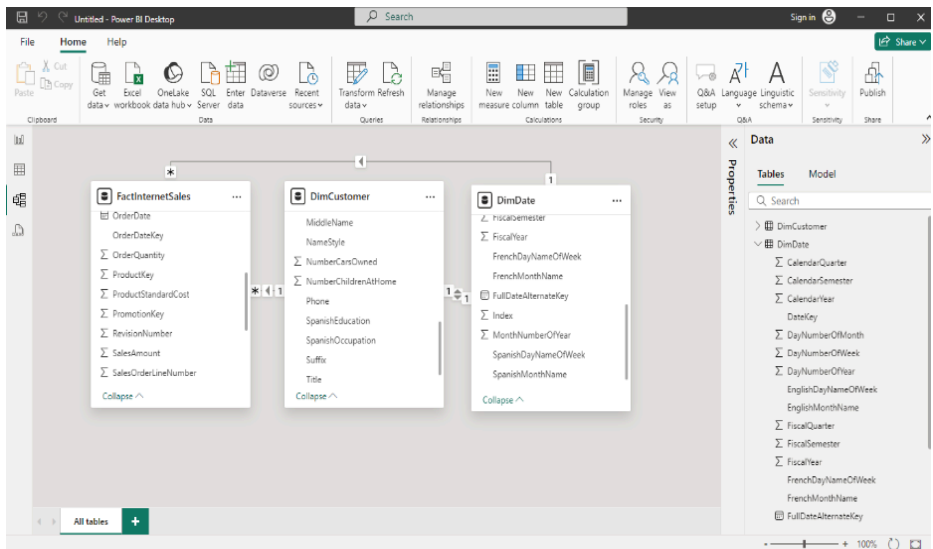
FactInternetSales.

STEP 7: Click Add Column and then give Index column to create a new index column for the table DimDate.

STEP 8: Create an index column for DimCustomer table bby clicking the Add Column icon.
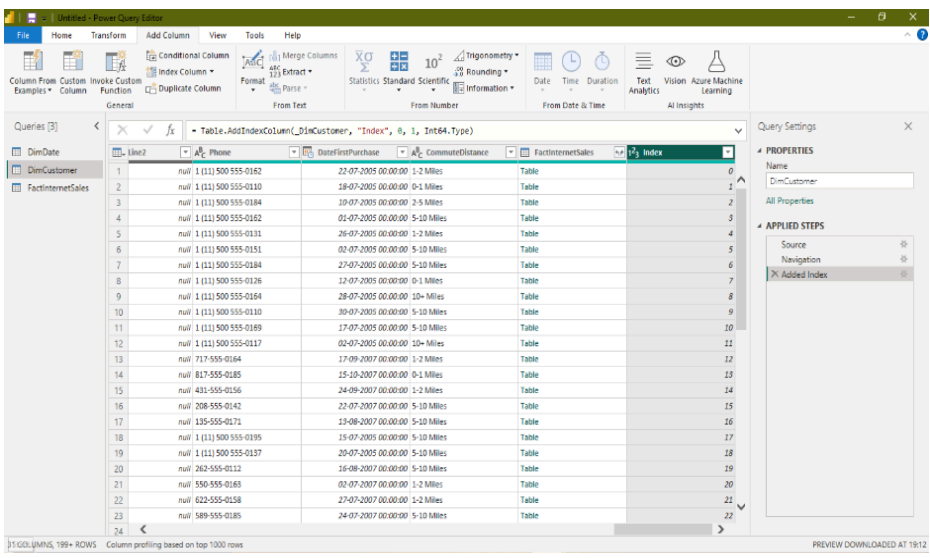
STEP 9: A new relationship established between DimDate and FactInternetSales for the index columns created in both the tables.

STEP 10: Create new relationships for other two tables with at least one similar column.
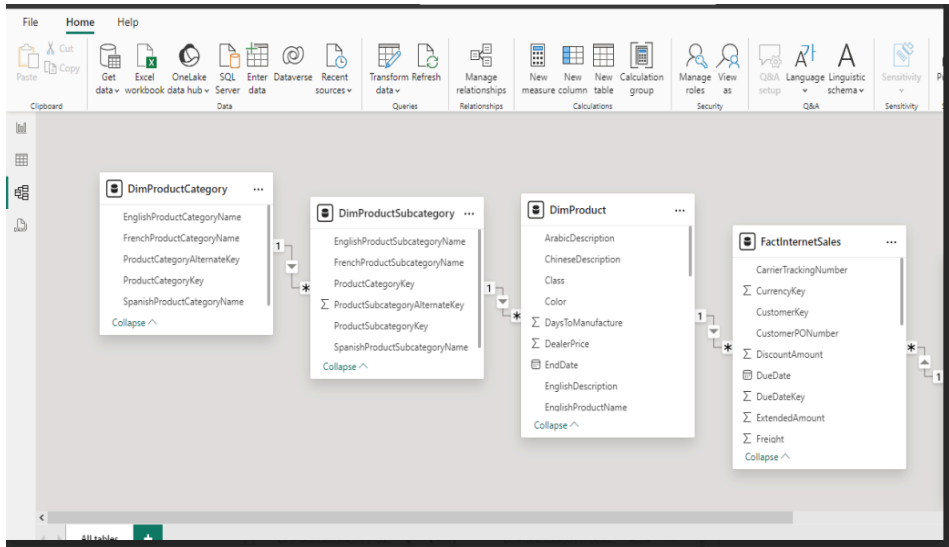
STEP 11: On clicking the Manage Relationships icon in the top under relationships section, all relationships created can be viewed.

INFERENCE:

First, download the dataset using the provided link and import the data into Power BI Desktop. After importing, launch the Po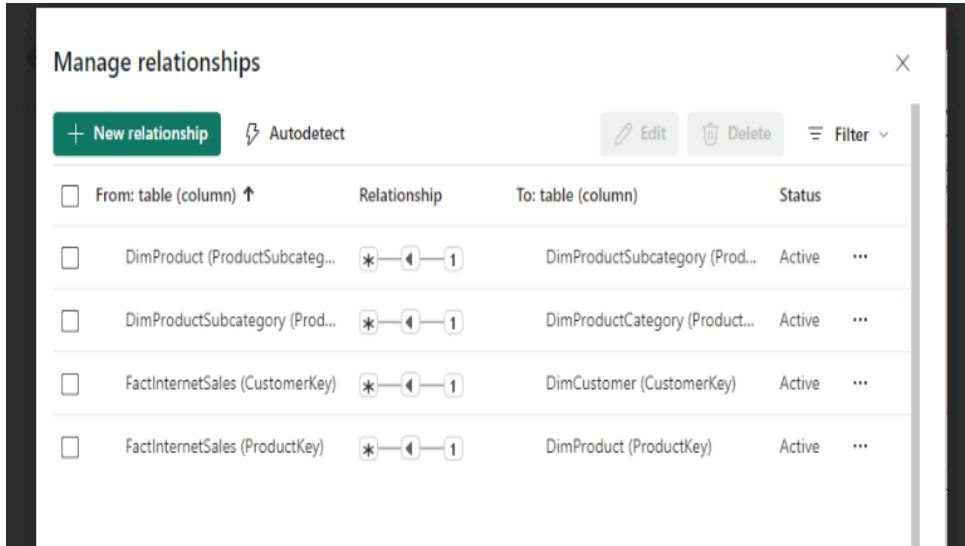wer Query editor to prepare the data for modeling. Then, switch to the Model View in Power BI to begin managing the relationships between the tables. By default, Power BI will create a one-to-many relationship between the DimCustomer and FactInternetSales tables. To create additional relationships, select the DimDate and FactInternetSales tables and link the DateKey from DimDate with the OrderDateKey from FactInternetSales. Next, click Save to confirm the new relationship, and add Index Columns to both the DimDate and DimCustomer tables by using the Add Column feature. This will allow you to establish new relationships based on these index columns. Finally, use the Manage Relationships option to view and manage all the relationships you've created. Perform some basic operations on the dataset, such as creating calculated columns or measures, to analyze the data effectively within Power BI.

RESULT:

Thus, we download MySQL and install it on our system, then connect it with Power BI. We import datasets from Access databases and text files into Power BI and load the data into Power Pivot for further modeling.

After setting up the data model, we perform basic operations on the dataset, such as creating relationships between tables, adding calculated columns, and running simple analyses to derive insights from the data.

Marks given		Marks obtained
COE	25	
RECORD	15	
VIVA	10	
TOTAL	50	