

BI Manual

Computer Engineering (Savitribai Phule Pune University)

Answers	Coding Efficiency	Viva	Timely Completion	Total	Dated Sign of Course Incharge
[5]	[5]	[5]	[5]	[20]	

Expected Date of Completion:..... Actual Date of Completion:.....

Group : 1
Assignment No : 1

Title of the Assignment : Import the legacy data from different sources such as (Excel , Sql Server, Oracle etc.) and load in the target system. (You can download sample databases such as Adventure works,Northwind, foodmart etc.)

Objective of the Assignment : To introduce the concepts and components of Business Intelligence (BI)

Prerequisite:

1. Basics of dataset extensions.
2. Concept of data import.

Contents for Theory :

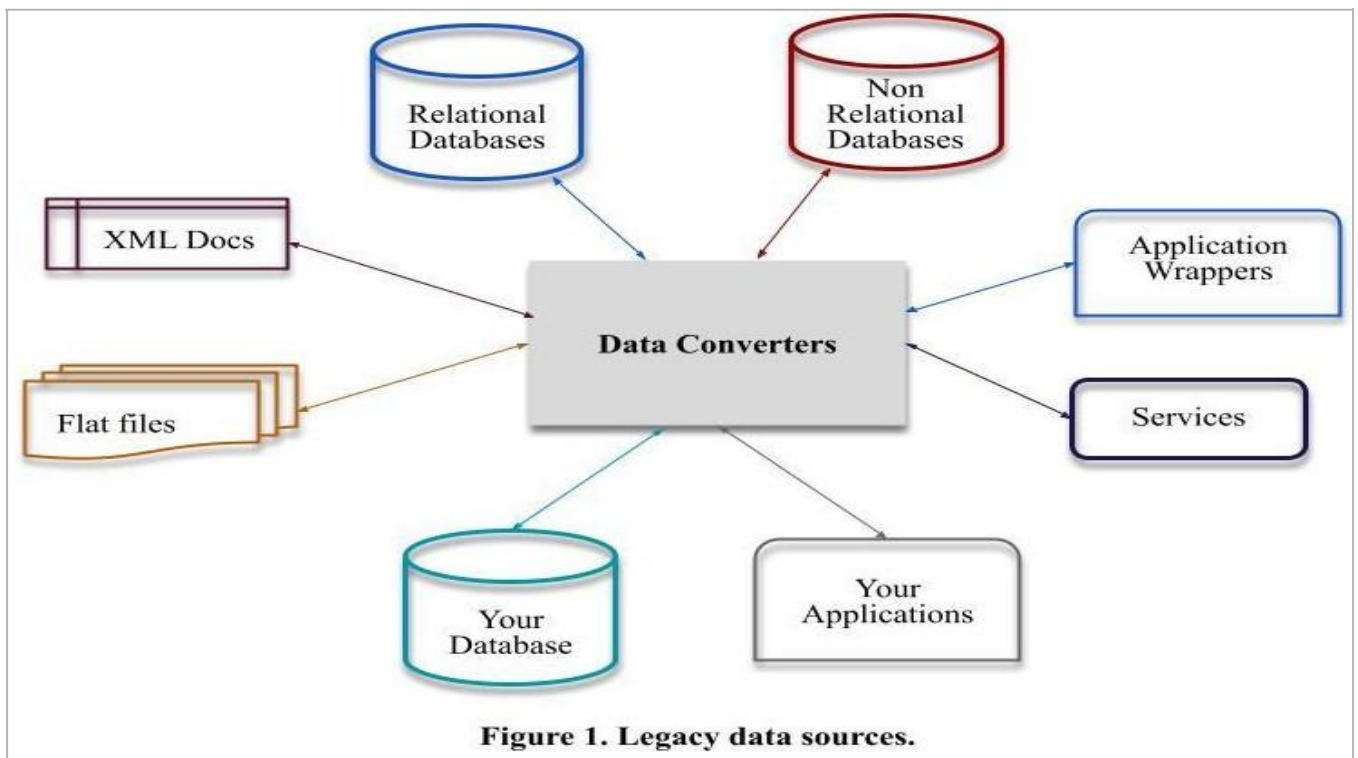
1. Legacy Data
2. Sources of Legacy Data
3. How to import legacy data step by step.

1. What is Legacy Data?

Legacy data, according to BusinessDictionary, is "information maintained in an old or out-of-date format or computer system that is consequently challenging to access or handle."

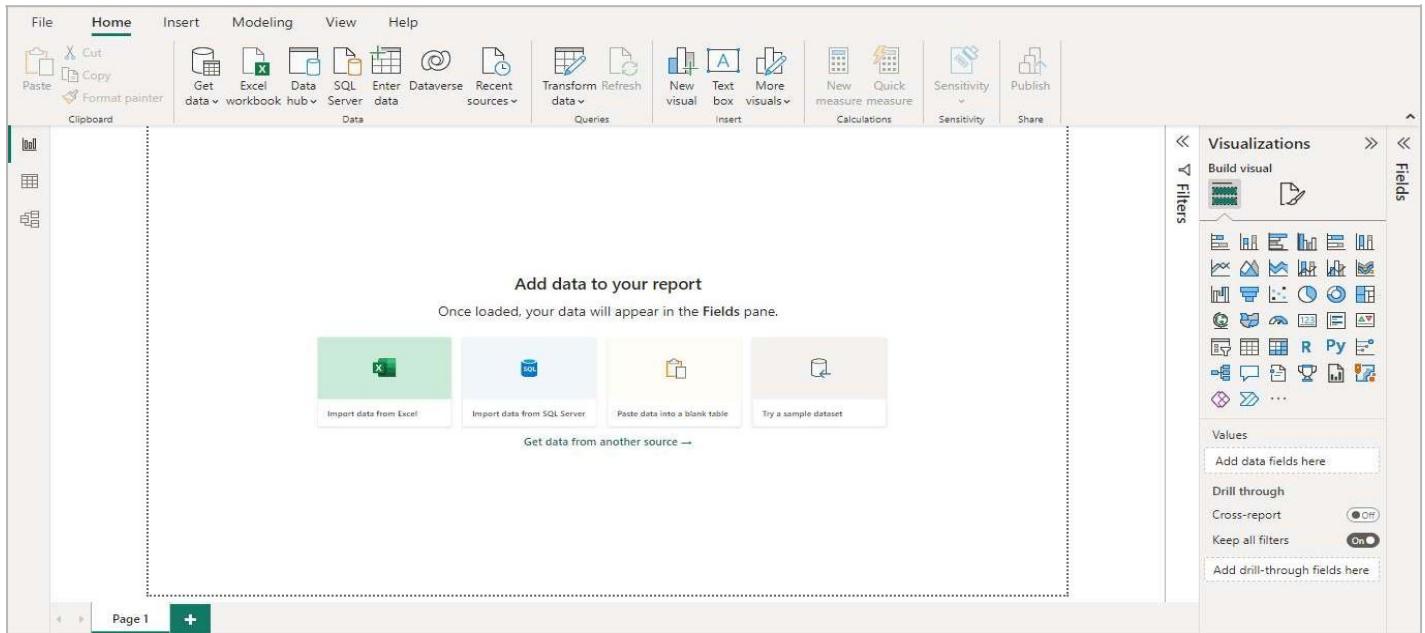
2. Sources of Legacy Data

Where does legacy data come from? Virtually everywhere. Figure 1 indicates that there are many sources from which you may obtain legacy data. This includes existing databases, often relational, although non-RDBs such as hierarchical, network, object, XML, object/relational databases, and NoSQL databases. Files, such as XML documents or "flat files" such as configuration files and comma-delimited text files, are also common sources of legacy data. Software, including legacy applications that have been wrapped (perhaps via CORBA) and legacy services such as web services or CICS transactions, can also provide access to existing information. The point to be made is that there is often far more to gaining access to legacy data than simply writing an SQL query against an existing relational database.

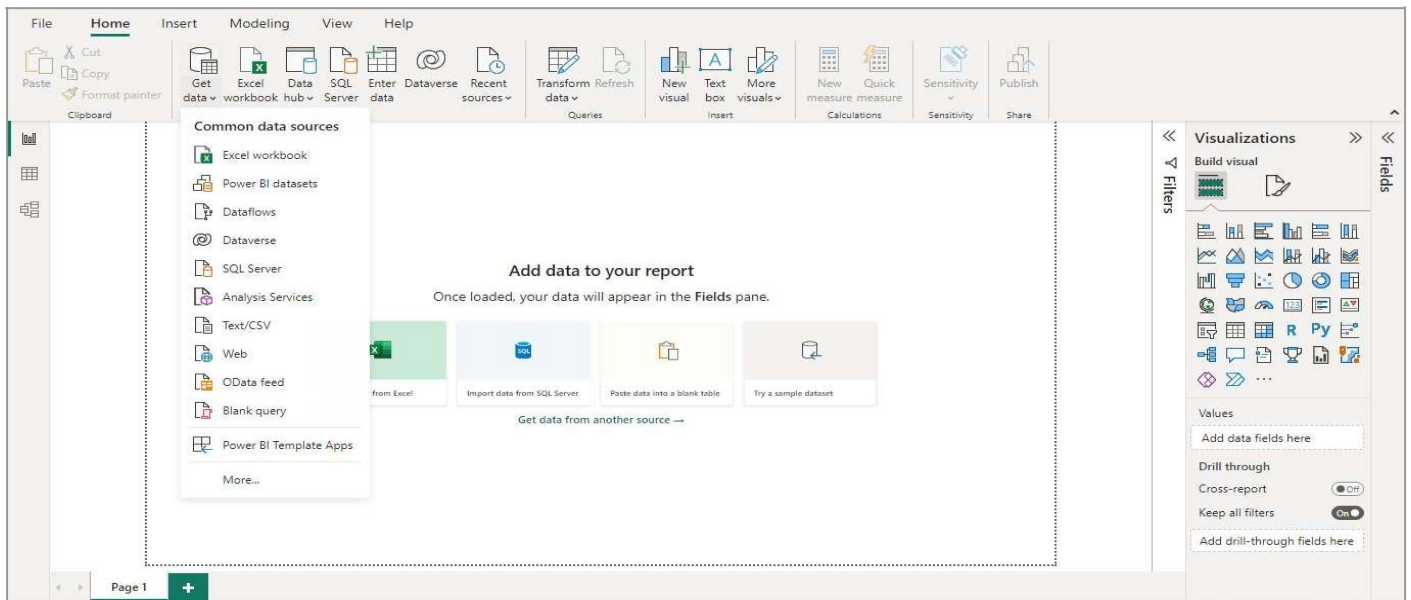


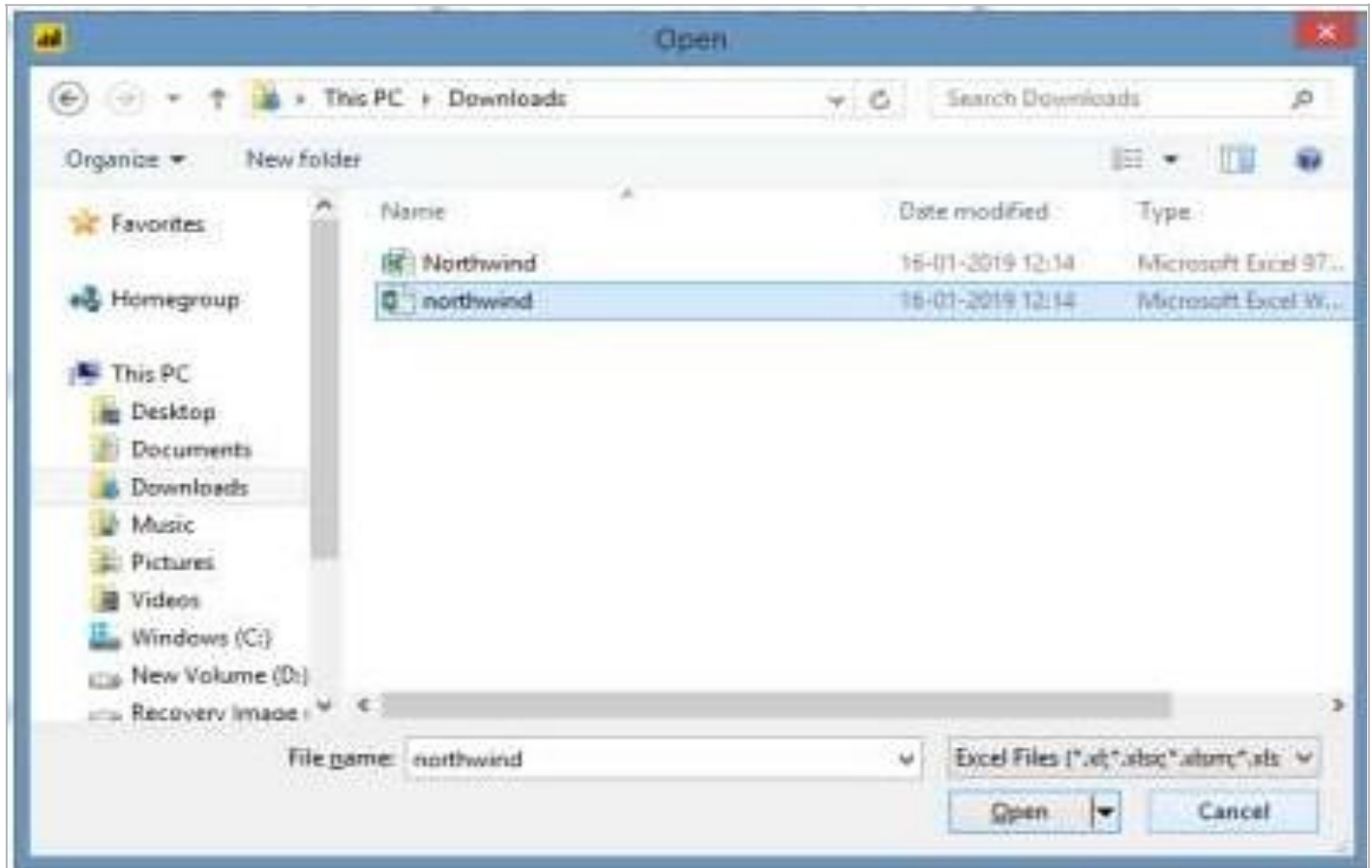
4. How to import legacy data step by step.

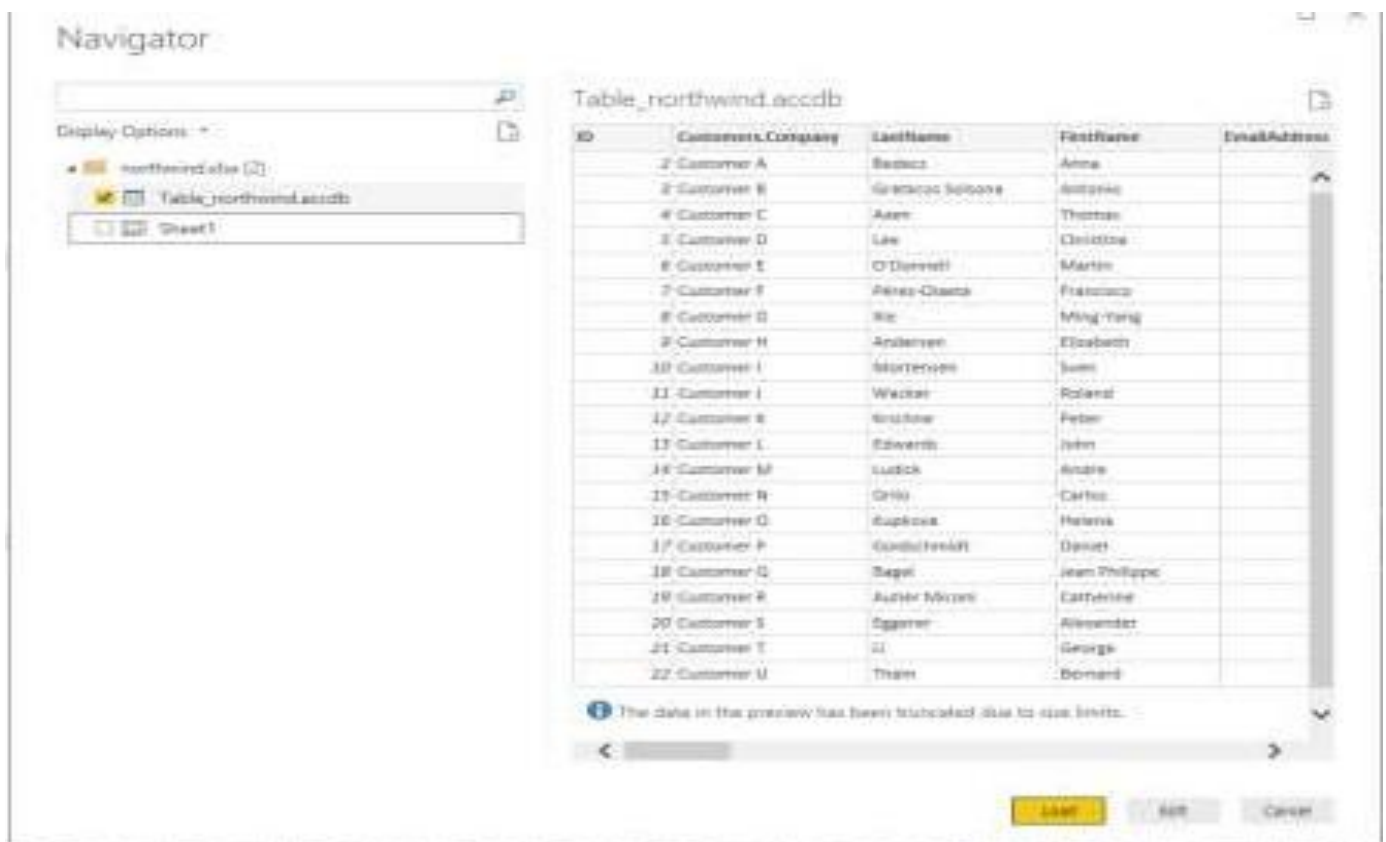
Step 1: Open Power BI



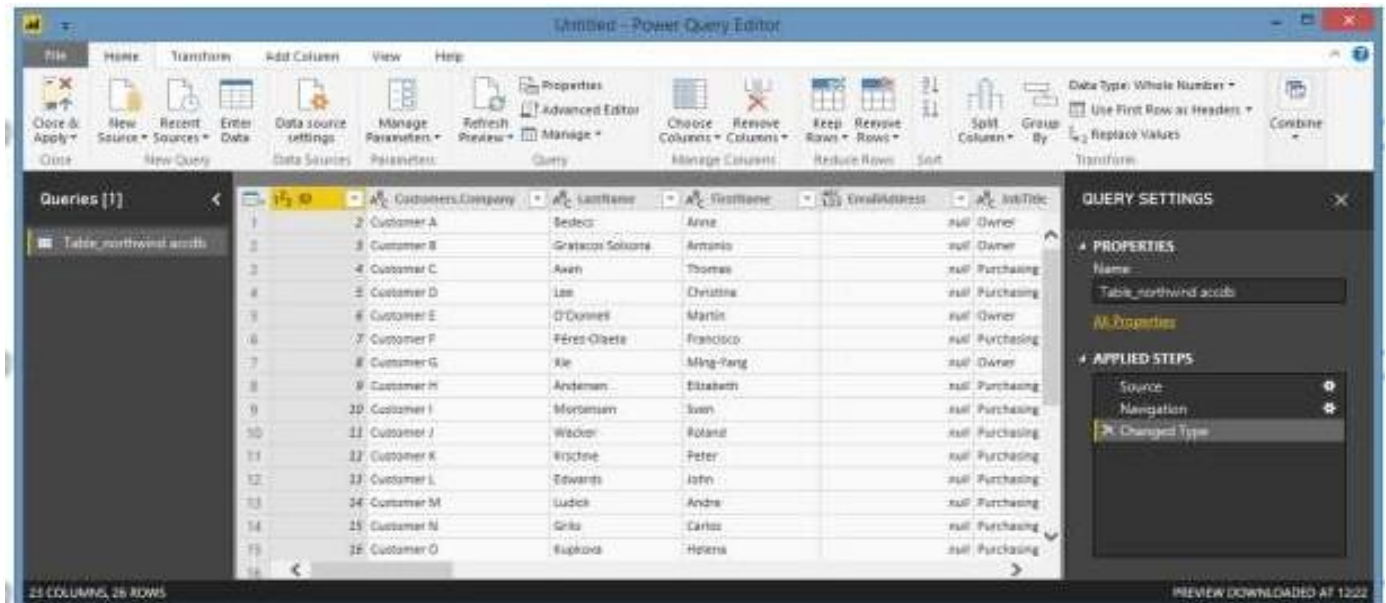
Step 2 : Click on Get data following list will be displayed → select Excel



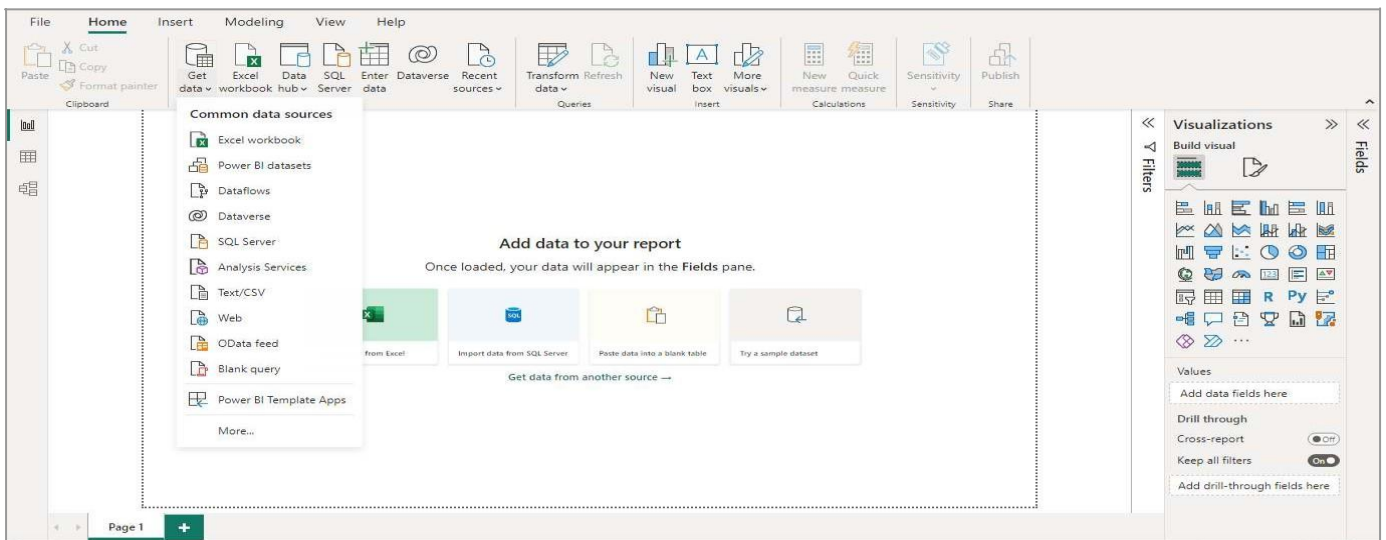
Step 3: Select required file and click on Open, Navigator screen appears

Step 4: Select file and click on edit

Step 5: Power query editor appears



Step 6: Again, go to Get Data and select OData feed



Step 7:

Paste url as <http://services.odata.org/V3/Northwind/Northwind.svc/>

Click on ok



Step 8: Select orders table**And click on edit****Note: If you just want to see preview you can just click on table name without clicking on checkbox****Click on edit to view table**

The screenshot shows the Power BI Navigator interface. On the left, under 'Display Options', the 'Orders' table is selected with a checkmark. The right pane displays a preview of the 'Orders' table data.

OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate
10248	VINET	5	04-07-1996 00:00:00	01-08-1996
10249	TOMSP	6	05-07-1996 00:00:00	16-08-1996
10250	HANAR	4	08-07-1996 00:00:00	05-08-1996
10251	VICTE	3	08-07-1996 00:00:00	05-08-1996
10252	SUPRD	4	09-07-1996 00:00:00	06-08-1996
10253	HANAR	3	10-07-1996 00:00:00	24-07-1996
10254	CHOPS	5	11-07-1996 00:00:00	08-08-1996
10255	RICSU	9	12-07-1996 00:00:00	09-08-1996
10256	WELLI	3	15-07-1996 00:00:00	12-08-1996
10257	HILAA	4	16-07-1996 00:00:00	23-08-1996
10258	ERNSH	1	17-07-1996 00:00:00	14-08-1996
10259	CENTC	4	18-07-1996 00:00:00	15-08-1996
10260	OTTIK	4	19-07-1996 00:00:00	16-08-1996
10261	QUEDE	4	19-07-1996 00:00:00	16-08-1996
10262	RATTC	8	22-07-1996 00:00:00	19-08-1996
10263	ERNSH	5	23-07-1996 00:00:00	20-08-1996
10264	FOLKO	6	24-07-1996 00:00:00	21-08-1996
10265	BLOPP	2	25-07-1996 00:00:00	22-08-1996
10266	WARTH	3	26-07-1996 00:00:00	06-09-1996
10267	FRANK	4	29-07-1996 00:00:00	26-08-1996
10268	GROSR	8	30-07-1996 00:00:00	27-08-1996
10269	WHITC	5	31-07-1996 00:00:00	14-08-1996
10270	WARTH	1	01-08-1996 00:00:00	29-08-1996

The screenshot shows the Power Query Editor interface. The 'Orders' table is loaded, and the 'Navigation' step is applied. The 'QUERY SETTINGS' pane on the right shows the 'Properties' tab with the 'Name' set to 'Orders'.

OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	
1	10248	VINET	5	04-07-1996 00:00:00	01-08-1996 00:00:00	16-0
2	10249	TOMSP	6	05-07-1996 00:00:00	16-08-1996 00:00:00	10-0
3	10250	HANAR	4	08-07-1996 00:00:00	05-08-1996 00:00:00	12-0
4	10251	VICTE	3	08-07-1996 00:00:00	05-08-1996 00:00:00	12-0
5	10252	SUPRD	4	09-07-1996 00:00:00	06-08-1996 00:00:00	11-0
6	10253	HANAR	3	10-07-1996 00:00:00	24-07-1996 00:00:00	16-0
7	10254	CHOPS	5	11-07-1996 00:00:00	08-08-1996 00:00:00	23-0
8	10255	RICSU	9	12-07-1996 00:00:00	09-08-1996 00:00:00	25-0
9	10256	WELLI	3	15-07-1996 00:00:00	12-08-1996 00:00:00	17-0
10	10257	HILAA	4	16-07-1996 00:00:00	13-08-1996 00:00:00	22-0
11	10258	ERNSH	1	17-07-1996 00:00:00	14-08-1996 00:00:00	23-0
12	10259	CENTC	4	18-07-1996 00:00:00	15-08-1996 00:00:00	25-0
13	10260	OTTIK	4	19-07-1996 00:00:00	16-08-1996 00:00:00	29-0
14	10261	QUEDE	4	19-07-1996 00:00:00	16-08-1996 00:00:00	30-0
15	10262	RATTC	8	22-07-1996 00:00:00	19-08-1996 00:00:00	25-0

Conclusion : In this way we import the Legacy datasets using the Power BI Tool.

Assignment Questions :

- 1. Define Legacy Data.**
- 2. List the target system to import legacy data.**
- 3. List the sample datasets you have used while implementation of assignment.**