

Assignment1:

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.)

Procedure:

For Windows

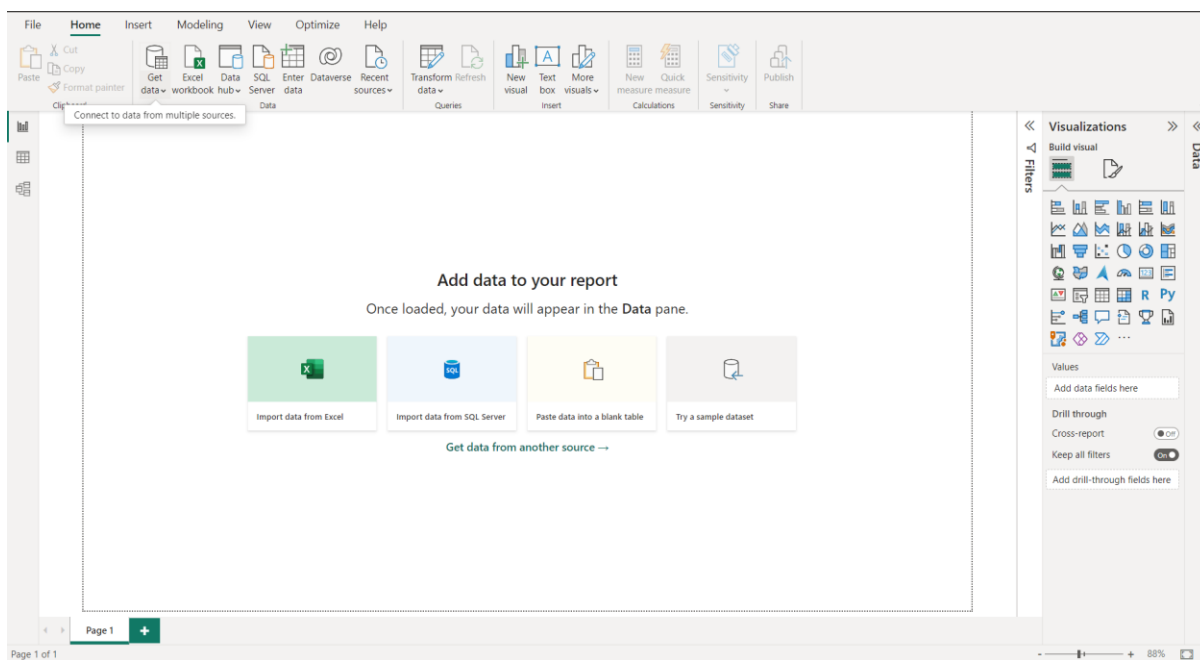
S1) Download Power BI Desktop from Microsoft store

S2) Download the excel file from the repo link:

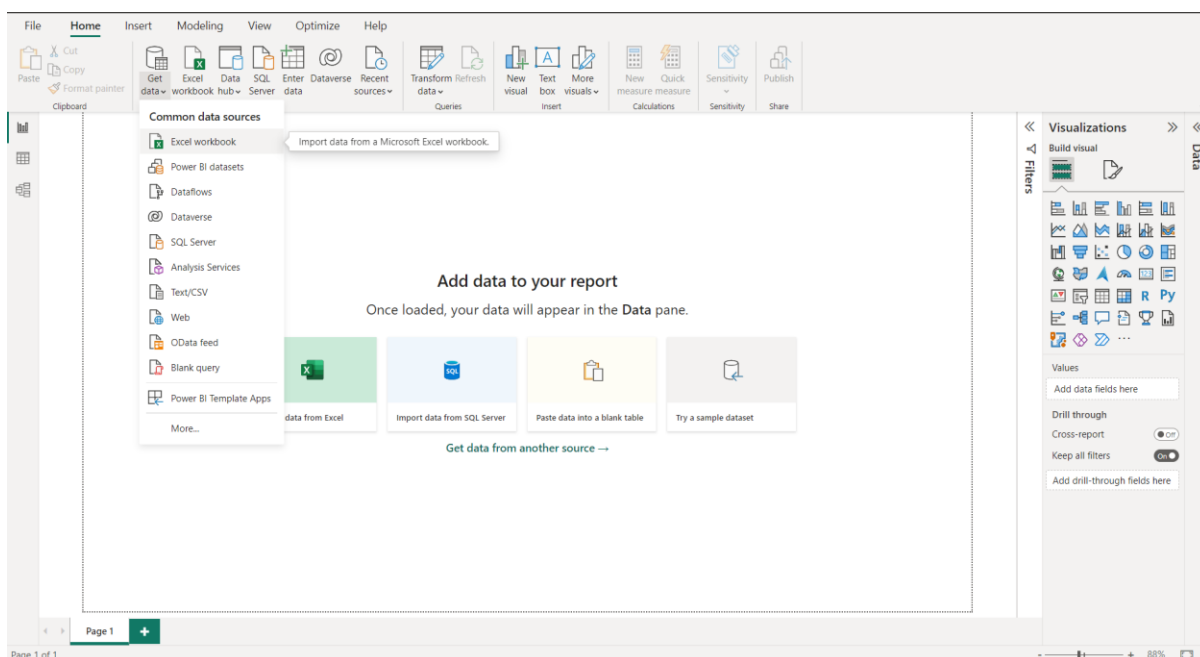
OR

<https://www.excel-easy.com/examples/excel-files/northwind.xlsx>

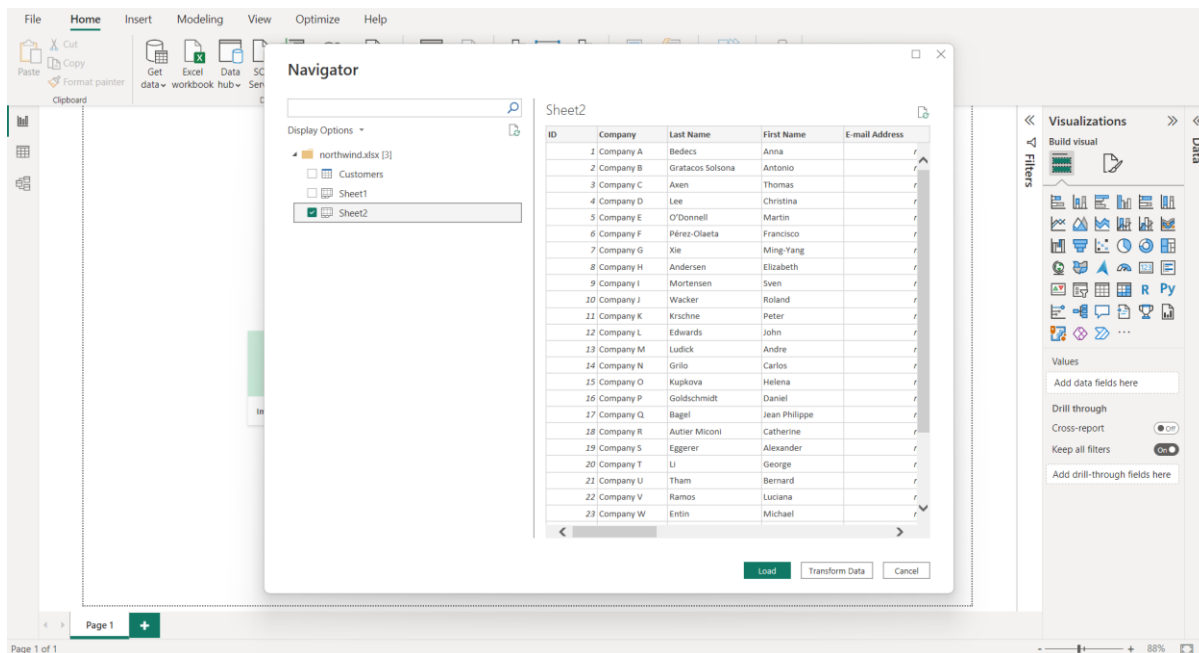
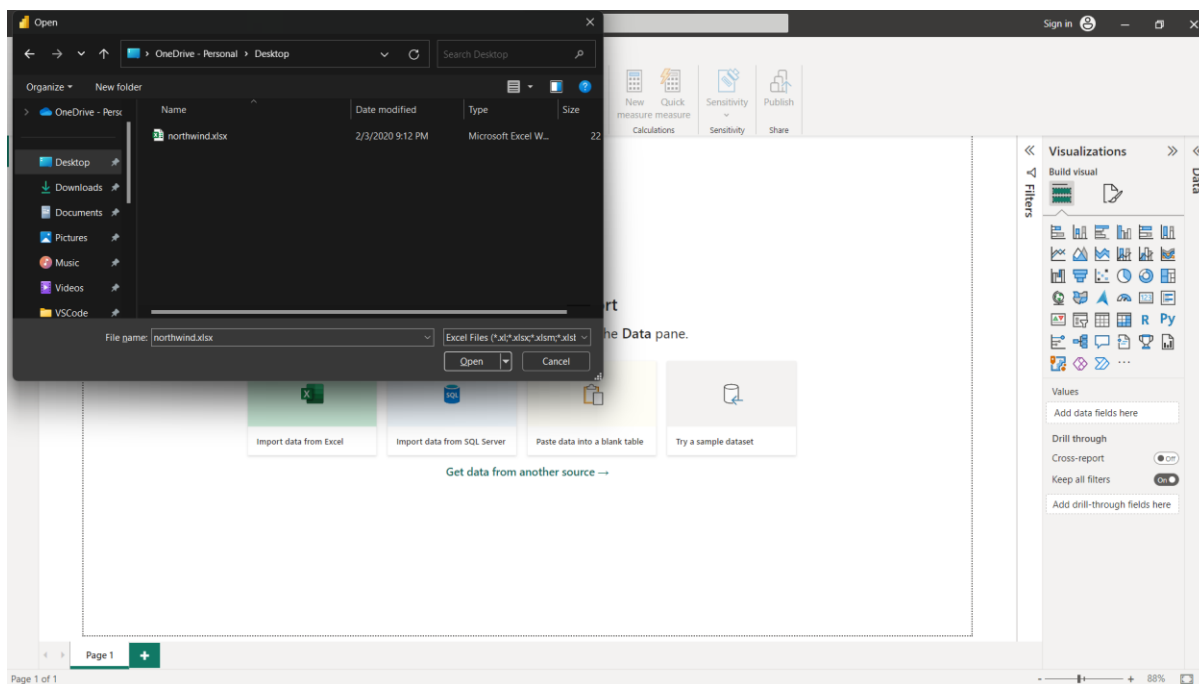
S3) Open Power BI Desktop



S4) Click on get data following list will be displayed -> select Excel



S5) Select required file and click on open, Navigator screen appears



Click on Load...

S6) Power Query editor appears

ID	Company	Last Name	First Name	E-mail Address	Job Title	Business Phone	Home Phone	Mobile Phone	Fax Number	Address	City	State/Province
1	Company A	Bedecs	Anna		Owner	(123)555-0100			(123)555-0101	123 1st Street	Seattle	WA
2	Company B	Gratacos Solsona	Antonio		Owner	(123)555-0100			(123)555-0101	123 2nd Street	Boston	MA
3	Company C	Aven	Thomas		Purchasing Representative	(123)555-0100			(123)555-0101	123 3rd Street	Los Angeles	CA
4	Company D	Lee	Christina		Purchasing Manager	(123)555-0100			(123)555-0101	123 4th Street	New York	NY
5	Company E	O'Donnell	Martin		Owner	(123)555-0100			(123)555-0101	123 5th Street	Minneapolis	MN
6	Company F	Pérez-Olaeta	Francisco		Purchasing Manager	(123)555-0100			(123)555-0101	123 6th Street	Milwaukee	WI
7	Company G	Xie	Ming-Yang		Owner	(123)555-0100			(123)555-0101	123 7th Street	Boise	ID
8	Company H	Andersen	Elizabeth		Purchasing Representative	(123)555-0100			(123)555-0101	123 8th Street	Portland	OR
9	Company I	Mortensen	Sven		Purchasing Manager	(123)555-0100			(123)555-0101	123 9th Street	Salt Lake City	UT
10	Company J	Wacker	Roland		Purchasing Manager	(123)555-0100			(123)555-0101	123 10th Street	Chicago	IL
11	Company K	Krschne	Peter		Purchasing Manager	(123)555-0100			(123)555-0101	123 11th Street	Miami	FL
12	Company L	Edwards	John		Purchasing Manager	(123)555-0100			(123)555-0101	123 12th Street	Las Vegas	NV
13	Company M	Ludick	Andre		Purchasing Representative	(123)555-0100			(123)555-0101	456 13th Street	Memphis	TN
14	Company N	Grilo	Carlos		Purchasing Representative	(123)555-0100			(123)555-0101	456 14th Street	Denver	CO
15	Company O	Kupkova	Helena		Purchasing Manager	(123)555-0100			(123)555-0101	456 15th Street	Honolulu	HI
16	Company P	Goldschmidt	Daniel		Purchasing Representative	(123)555-0100			(123)555-0101	456 16th Street	San Francisco	CA
17	Company Q	Bagel	Jean Philippe		Owner	(123)555-0100			(123)555-0101	456 17th Street	Seattle	WA
18	Company R	Autier Miconi	Catherine		Purchasing Representative	(123)555-0100			(123)555-0101	456 18th Street	Boston	MA
19	Company S	Eggerer	Alexander		Accounting Assistant	(123)555-0100			(123)555-0101	789 19th Street	Los Angeles	CA
20	Company T	Li	George		Purchasing Manager	(123)555-0100			(123)555-0101	789 20th Street	New York	NY
21	Company U	Tham	Bernard		Accounting Manager	(123)555-0100			(123)555-0101	789 21th Street	Minneapolis	MN
22	Company V	Ramos	Luciana		Purchasing Assistant	(123)555-0100			(123)555-0101	789 22th Street	Milwaukee	WI
23	Company W	Entin	Michael		Purchasing Manager	(123)555-0100			(123)555-0101	789 23th Street	Portland	OR
24	Company X	Hasselberg	Jonas		Owner	(123)555-0100			(123)555-0101	789 24th Street	Salt Lake City	UT
25	Company Y	Rodman	John		Purchasing Manager	(123)555-0100			(123)555-0101	789 25th Street	Chicago	IL
26	Company Z	Liu	Run		Accounting Assistant	(123)555-0100			(123)555-0101	789 26th Street	Miami	FL
27	Company AA	Toh	Karen		Purchasing Manager	(123)555-0100			(123)555-0101	789 27th Street	Las Vegas	NV
28	Company BB	Raghav	Amritansh		Purchasing Manager	(123)555-0100			(123)555-0101	789 28th Street	Memphis	TN
29	Company CC	Lee	Soo Jung		Purchasing Manager	(123)555-0100			(123)555-0101	789 29th Street	Denver	CO

S7) Again, go to Get Data and select OData Feed.

Enter the following link in the URL field:

<https://services.odata.org/V3/Northwind/Northwind.svc/>

ID	Company	Last Name	First Name	E-mail Address	Job Title	Business Phone	Home Phone	Mobile Phone	Fax Number	Address	City	State/Province
1	Company A	Bedecs	Anna		Owner	(123)555-0100			(123)555-0101	123 1st Street	Seattle	WA
2	Company B	Gratacos Solsona	Antonio		Owner	(123)555-0100			(123)555-0101	123 2nd Street	Boston	MA
3	Company C	Aven	Thomas		Purchasing Representative	(123)555-0100			(123)555-0101	123 3rd Street	Los Angeles	CA
4	Company D	Lee	Christina		Purchasing Manager	(123)555-0100			(123)555-0101	123 4th Street	New York	NY
5	Company E	O'Donnell	Martin		Owner	(123)555-0100			(123)555-0101	123 5th Street	Minneapolis	MN
6	Company F	Pérez-Olaeta	Francisco		Purchasing Manager	(123)555-0100			(123)555-0101	123 6th Street	Milwaukee	WI
7	Company G	Xie	Ming-Yang		Owner	(123)555-0100			(123)555-0101	123 7th Street	Boise	ID
8	Company H	Andersen	Elizabeth		Purchasing Representative	(123)555-0100			(123)555-0101	123 8th Street	Portland	OR
9	Company I	Mortensen	Sven		Purchasing Manager	(123)555-0100			(123)555-0101	123 9th Street	Salt Lake City	UT
10	Company J	Wacker	Roland		Purchasing Manager	(123)555-0100			(123)555-0101	123 10th Street	Chicago	IL
11	Company K	Krschne	Peter		Purchasing Manager	(123)555-0100			(123)555-0101	123 11th Street	Miami	FL
12	Company L	Edwards	John		Purchasing Manager	(123)555-0100			(123)555-0101	123 12th Street	Las Vegas	NV
13	Company M	Ludick	Andre		Purchasing Representative	(123)555-0100			(123)555-0101	456 13th Street	Memphis	TN
14	Company N	Grilo	Carlos		Purchasing Representative	(123)555-0100			(123)555-0101	456 14th Street	Denver	CO
15	Company O	Kupkova	Helena		Purchasing Manager	(123)555-0100			(123)555-0101	456 15th Street	Honolulu	HI
16	Company P	Goldschmidt	Daniel		Purchasing Representative	(123)555-0100			(123)555-0101	456 16th Street	San Francisco	CA
17	Company Q	Bagel	Jean Philippe		Owner	(123)555-0100			(123)555-0101	456 17th Street	Seattle	WA
18	Company R	Autier Miconi	Catherine		Purchasing Representative	(123)555-0100			(123)555-0101	456 18th Street	Boston	MA
19	Company S	Eggerer	Alexander		Accounting Assistant	(123)555-0100			(123)555-0101	789 19th Street	Los Angeles	CA
20	Company T	Li	George		Purchasing Manager	(123)555-0100			(123)555-0101	789 20th Street	New York	NY
21	Company U	Tham	Bernard		Accounting Manager	(123)555-0100			(123)555-0101	789 21th Street	Minneapolis	MN
22	Company V	Ramos	Luciana		Purchasing Assistant	(123)555-0100			(123)555-0101	789 22th Street	Milwaukee	WI
23	Company W	Entin	Michael		Purchasing Manager	(123)555-0100			(123)555-0101	789 23th Street	Portland	OR
24	Company X	Hasselberg	Jonas		Owner	(123)555-0100			(123)555-0101	789 24th Street	Salt Lake City	UT
25	Company Y	Rodman	John		Purchasing Manager	(123)555-0100			(123)555-0101	789 25th Street	Chicago	IL
26	Company Z	Liu	Run		Accounting Assistant	(123)555-0100			(123)555-0101	789 26th Street	Miami	FL
27	Company AA	Toh	Karen		Purchasing Manager	(123)555-0100			(123)555-0101	789 27th Street	Las Vegas	NV
28	Company BB	Raghav	Amritansh		Purchasing Manager	(123)555-0100			(123)555-0101	789 28th Street	Memphis	TN
29	Company CC	Lee	Soo Jung		Purchasing Manager	(123)555-0100			(123)555-0101	789 29th Street	Denver	CO

S8) Select Orders table

And click on edit

Note: If you just want to see preview you just can click on the table name without clicking on checkbox.

Click on the edit to view table.

The screenshot shows the Microsoft Power BI Desktop interface. The 'Navigator' pane on the left lists various data sources, with 'Orders' selected. The main view displays a preview of the 'Orders' table, showing columns: OrderID, CustomerID, EmployeeID, OrderDate, and RequiredDate. The data includes rows for various orders, such as 10248, 10249, 10250, etc.

OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate
10248	VINET	5	7/4/1996 12:00:00 AM	8/1/1996
10249	TOMSP	6	7/5/1996 12:00:00 AM	8/16/1996
10250	HANAR	4	7/8/1996 12:00:00 AM	8/5/1996
10251	VICTE	3	7/8/1996 12:00:00 AM	8/5/1996
10252	SUPRD	4	7/9/1996 12:00:00 AM	8/6/1996
10253	HANAR	3	7/10/1996 12:00:00 AM	7/24/1996
10254	CHOPS	5	7/11/1996 12:00:00 AM	8/8/1996
10255	RICSU	9	7/12/1996 12:00:00 AM	8/9/1996
10256	WELLI	3	7/15/1996 12:00:00 AM	8/12/1996
10257	HILAA	4	7/16/1996 12:00:00 AM	8/13/1996
10258	ERNSH	1	7/17/1996 12:00:00 AM	8/14/1996
10259	CENTC	4	7/18/1996 12:00:00 AM	8/15/1996
10260	OTTIK	4	7/19/1996 12:00:00 AM	8/16/1996
10261	QUEDD	4	7/19/1996 12:00:00 AM	8/16/1996
10262	RATTC	8	7/22/1996 12:00:00 AM	8/19/1996
10263	ERNSH	9	7/23/1996 12:00:00 AM	8/20/1996
10264	FOLKO	6	7/24/1996 12:00:00 AM	8/21/1996
10265	BLOMP	2	7/25/1996 12:00:00 AM	8/22/1996
10266	WARTH	3	7/26/1996 12:00:00 AM	9/6/1996
10267	FRANK	4	7/29/1996 12:00:00 AM	8/26/1996
10268	GROSU	8	7/30/1996 12:00:00 AM	8/27/1996
10269	WHITC	5	7/31/1996 12:00:00 AM	8/14/1996
10270	WARTH	1	8/1/1996 12:00:00 AM	8/29/1996

The screenshot shows the Microsoft Power BI Desktop interface with the 'Orders' table loaded into the main view. The table has 830 rows and 11 columns: OrderID, CustomerID, EmployeeID, OrderDate, RequiredDate, ShippedDate, ShipVia, Freight, ShipName, ShipAddress, ShipCity, and ShipRegion. The data includes rows for various orders, such as 10249, 10260, 10267, etc.

OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity	ShipRegion
10249	TOMSP	6	7/5/1996 12:00:00 AM	8/16/1996 12:00:00 AM	7/10/1996 12:00:00 AM	1	11.61	Toms Spezialitäten	Luisenst		
10260	OTTIK	4	7/19/1996 12:00:00 AM	8/16/1996 12:00:00 AM	7/29/1996 12:00:00 AM	1	55.09	Ottlies Käseladen	Mehrlhe	Storage mode	Import
10267	FRANK	4	7/29/1996 12:00:00 AM	8/26/1996 12:00:00 AM	8/6/1996 12:00:00 AM	1	208.58	Frankenversand	Berliner	Data refreshed	5/25/2023, 8:27:04 PM
10273	QUICK	3	8/5/1996 12:00:00 AM	9/2/1996 12:00:00 AM	8/12/1996 12:00:00 AM	3	76.07	QUICK-Stop	Taucherstraße 10	Cunewalde	
10277	MORGK	2	8/9/1996 12:00:00 AM	9/6/1996 12:00:00 AM	8/13/1996 12:00:00 AM	3	125.77	Morgenstern Gesundkost	Heerstr. 22	Leipzig	
10279	LEHMS	8	8/13/1996 12:00:00 AM	9/10/1996 12:00:00 AM	8/16/1996 12:00:00 AM	2	25.83	Lehmanns Marktstand	Magazinweg 7	Frankfurt a.M.	
10284	LEHMS	4	8/19/1996 12:00:00 AM	9/16/1996 12:00:00 AM	8/27/1996 12:00:00 AM	1	76.56	Lehmanns Marktstand	Magazinweg 7	Frankfurt a.M.	
10285	QUICK	1	8/20/1996 12:00:00 AM	9/17/1996 12:00:00 AM	8/26/1996 12:00:00 AM	2	76.83	QUICK-Stop	Taucherstraße 10	Cunewalde	
10286	QUICK	8	8/21/1996 12:00:00 AM	9/18/1996 12:00:00 AM	8/30/1996 12:00:00 AM	3	229.24	QUICK-Stop	Taucherstraße 10	Cunewalde	
10301	WANDK	8	9/9/1996 12:00:00 AM	10/7/1996 12:00:00 AM	9/17/1996 12:00:00 AM	2	45.08	Die Wandernde Kuh	Adenauerallee 900	Stuttgart	
10312	WANDK	2	9/23/1996 12:00:00 AM	10/21/1996 12:00:00 AM	10/3/1996 12:00:00 AM	2	40.26	Die Wandernde Kuh	Adenauerallee 900	Stuttgart	
10313	QUICK	2	9/24/1996 12:00:00 AM	10/22/1996 12:00:00 AM	10/4/1996 12:00:00 AM	2	1.96	QUICK-Stop	Taucherstraße 10	Cunewalde	
10323	KOENE	4	10/7/1996 12:00:00 AM	11/4/1996 12:00:00 AM	10/14/1996 12:00:00 AM	1	4.88	Königlich Essen	Maubelstr. 90	Brandenburg	
10325	KOENE	1	10/9/1996 12:00:00 AM	10/23/1996 12:00:00 AM	10/14/1996 12:00:00 AM	3	64.86	Königlich Essen	Maubelstr. 90	Brandenburg	
10337	FRANK	4	10/24/1996 12:00:00 AM	11/21/1996 12:00:00 AM	10/29/1996 12:00:00 AM	3	108.26	Frankenversand	Berliner Platz 43	München	
10342	FRANK	4	10/20/1996 12:00:00 AM	11/13/1996 12:00:00 AM	11/4/1996 12:00:00 AM	2	54.83	Frankenversand	Berliner Platz 43	München	
10343	LEHMS	4	10/21/1996 12:00:00 AM	11/28/1996 12:00:00 AM	11/8/1996 12:00:00 AM	1	110.37	Lehmanns Marktstand	Magazinweg 7	Frankfurt a.M.	
10345	QUICK	2	11/4/1996 12:00:00 AM	12/2/1996 12:00:00 AM	11/11/1996 12:00:00 AM	2	249.06	QUICK-Stop	Taucherstraße 10	Cunewalde	
10348	WANDK	4	11/7/1996 12:00:00 AM	12/5/1996 12:00:00 AM	11/15/1996 12:00:00 AM	2	0.78	Die Wandernde Kuh	Adenauerallee 900	Stuttgart	
10356	WANDK	6	11/18/1996 12:00:00 AM	12/16/1996 12:00:00 AM	11/27/1996 12:00:00 AM	2	36.71	Die Wandernde Kuh	Adenauerallee 900	Stuttgart	
10361	QUICK	1	11/22/1996 12:00:00 AM	12/20/1996 12:00:00 AM	12/3/1996 12:00:00 AM	2	183.17	QUICK-Stop	Taucherstraße 10	Cunewalde	
10363	DRACD	4	11/26/1996 12:00:00 AM	12/24/1996 12:00:00 AM	12/4/1996 12:00:00 AM	3	30.54	Drachenblut Delikatessen	Walserweg 21	Aachen	
10391	DRACD	3	12/23/1996 12:00:00 AM	1/20/1997 12:00:00 AM	12/31/1996 12:00:00 AM	3	5.45	Drachenblut Delikatessen	Walserweg 21	Aachen	
10396	FRANK	1	12/27/1996 12:00:00 AM	1/10/1997 12:00:00 AM	1/6/1997 12:00:00 AM	3	135.35	Frankenversand	Berliner Platz 43	München	
10407	OTTIK	2	1/7/1997 12:00:00 AM	2/4/1997 12:00:00 AM	1/30/1997 12:00:00 AM	2	91.48	Ottlies Käseladen	Mehrheimerstr. 369	Köln	
10418	QUICK	4	1/17/1997 12:00:00 AM	2/14/1997 12:00:00 AM	1/24/1997 12:00:00 AM	1	17.55	QUICK-Stop	Taucherstraße 10	Cunewalde	
10438	TOMSP	3	2/6/1997 12:00:00 AM	3/6/1997 12:00:00 AM	2/14/1997 12:00:00 AM	2	8.24	Toms Spezialitäten	Luisenstr. 48	Münster	
10446	TOMSP	6	2/14/1997 12:00:00 AM	3/14/1997 12:00:00 AM	2/19/1997 12:00:00 AM	1	14.68	Toms Spezialitäten	Luisenstr. 48	Münster	
10451	QUICK	4	2/19/1997 12:00:00 AM	3/5/1997 12:00:00 AM	3/12/1997 12:00:00 AM	3	189.09	QUICK-Stop	Taucherstraße 10	Cunewalde	

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