

Data Transformation (Power Query Steps)

1. Restrict “List of Orders” to only first 500 rows

The screenshot shows the Microsoft Power Query Editor interface. On the left, there's a navigation bar with 'New', 'Recent', 'Sources', 'Enter Data', 'Data Sources', 'Parameters', 'Export query results', 'Refresh', 'Advanced Editor', 'Manage', 'Choose Columns', 'Remove Columns', 'Keep Rows', 'Remove Rows', 'Split Column By', 'Group By', 'Reduce Rows', 'Sort', 'Transform', 'Append Queries', 'Combine Files', and 'Combine'. Below the navigation bar, the 'List of Orders' query is selected. The main area displays a table with columns: Order ID, Order Date, CustomerName, State, and City. The table contains 27 rows of data. The 'Applied Steps' pane on the right shows the following steps:

- Properties: Name - List of Orders, All Properties
- Applied Steps:
 - Source
 - Promoted Headers
 - Changed Type
 - Kept First Rows

The 'Kept First Rows' step is highlighted.

Order ID	Order Date	CustomerName	State	City
B-25601	01-04-2018	Bharat	Gujarat	Ahmedabad
B-25602	01-04-2018	Pearl	Maharashtra	Pune
B-25603	03-04-2018	Jahan	Madhya Pradesh	Bhopal
B-25604	03-04-2018	Divsha	Rajasthan	Jaipur
B-25605	05-04-2018	Kasheen	West Bengal	Kolkata
B-25606	06-04-2018	Hazel	Karnataka	Bangalore
B-25607	06-04-2018	Sonakshi	Jammu and Kashmir	Kashmir
B-25608	08-04-2018	Aarush	Tamil Nadu	Chennai
B-25609	09-04-2018	Jitesh	Uttar Pradesh	Lucknow
B-25610	09-04-2018	Yogesh	Bihar	Patna
B-25611	11-04-2018	Anita	Kerala	Thiruvananthapuram
B-25612	12-04-2018	Shrichand	Punjab	Chandigarh
B-25613	12-04-2018	Mukesh	Haryana	Chandigarh
B-25614	13-04-2018	Vandana	Himachal Pradesh	Simla
B-25615	15-04-2018	Bhavna	Sikkim	Gangtok
B-25616	15-04-2018	Kanak	Goa	Goa
B-25617	17-04-2018	Sagar	Nagaland	Kohima
B-25618	18-04-2018	Manju	Andhra Pradesh	Hyderabad
B-25619	18-04-2018	Ramesh	Gujarat	Ahmedabad
B-25620	20-04-2018	Sarita	Maharashtra	Pune
B-25621	20-04-2018	Deepak	Madhya Pradesh	Bhopal
B-25622	22-04-2018	Monisha	Rajasthan	Jaipur
B-25623	22-04-2018	Atharv	West Bengal	Kolkata
B-25624	22-04-2018	Vini	Karnataka	Bangalore
B-25625	23-04-2018	Pinky	Jammu and Kashmir	Kashmir
B-25626	23-04-2018	Bhishm	Maharashtra	Mumbai
B-25627	23-04-2018	Hitika	Madhya Pradesh	Indore

2. Ensure the “Order Date” column in the “List of Orders” table is set to data type 'Date'.

The screenshot shows the Microsoft Power BI Data Editor interface. On the left, there's a sidebar titled 'Queries [3]' containing three items: 'List of Orders', 'Order Details', and 'Sales target'. The main area displays a table with three columns: 'Order ID', 'Order Date', and 'CustomerName'. The 'Order Date' column is currently selected, indicated by a red border around its header. The table has 28 rows, each containing a unique Order ID and a corresponding Order Date and CustomerName. The customer names listed are Bharat, Pearl, Jahan, Divsha, Kasheen, Hazel, Sonakshi, Aarushi, Jitesh, Yogesh, Anita, Shrichand, Mukesh, Vandana, Bhavna, Kanak, Sagar, Marju, Ramesh, Sarita, Deepak, Monisha, Atharv, Vini, Pinky, Bhishm, Hitika, and Pooja. The table also includes a 'State' column which lists various Indian states like Gujarat, Maharashtra, Madhya Pradesh, Rajasthan, West Bengal, Karnataka, Jammu and Kashmir, Tamil Nadu, Uttar Pradesh, Bihar, Kerala, Punjab, Haryana, Himachal Pradesh, Sikkim, Goa, Nagaland, Andhra Pradesh, Gujarat, Maharashtra, Madhya Pradesh, Rajasthan, West Bengal, Karnataka, Jammu and Kashmir, Maharashtra, Madhya Pradesh, Bihar, and Kerala.

Order ID	Order Date	CustomerName	State
B-25601	01-04-2018	Bharat	Gujarat
B-25602	01-04-2018	Pearl	Maharashtra
B-25603	03-04-2018	Jahan	Madhya Pradesh
B-25604	03-04-2018	Divsha	Rajasthan
B-25605	05-04-2018	Kasheen	West Bengal
B-25606	06-04-2018	Hazel	Karnataka
B-25607	06-04-2018	Sonakshi	Jammu and Kashmir
B-25608	08-04-2018	Aarushi	Tamil Nadu
B-25609	09-04-2018	Jitesh	Uttar Pradesh
B-25610	09-04-2018	Yogesh	Bihar
B-25611	11-04-2018	Anita	Kerala
B-25612	12-04-2018	Shrichand	Punjab
B-25613	12-04-2018	Mukesh	Haryana
B-25614	13-04-2018	Vandana	Himachal Pradesh
B-25615	15-04-2018	Bhavna	Sikkim
B-25616	15-04-2018	Kanak	Goa
B-25617	17-04-2018	Sagar	Nagaland
B-25618	18-04-2018	Marju	Andhra Pradesh
B-25619	18-04-2018	Ramesh	Gujarat
B-25620	20-04-2018	Sarita	Maharashtra
B-25621	20-04-2018	Deepak	Madhya Pradesh
B-25622	22-04-2018	Monisha	Rajasthan
B-25623	22-04-2018	Atharv	West Bengal
B-25624	22-04-2018	Vini	Karnataka
B-25625	23-04-2018	Pinky	Jammu and Kashmir
B-25626	23-04-2018	Bhishm	Maharashtra
B-25627	23-04-2018	Hitika	Madhya Pradesh
B-25628	24-04-2018	Pooja	Bihar

3. Change the data type of “Amount” and “Target” columns to ‘Fixed Decimal Number’.

Table ribbon bar:

- Transpose
- Reverse Rows
- Use First Row as Headers
- Count Rows
- Data Type: Fixed decimal number
- Detect Data Type
- Rename
- Merge Columns
- ABC Extract
- 123
- Format
- Split Column
- Text Column
- Number Column
- Date & Time

Table context menu:

- Series [3]
- List of Orders
- Order Details
- Sales target

Table formula bar:

```
= Table.TransformColumnTypes(#"Changed Type",{{"Amount", Currency.Type}})
```

Table data:

	Order ID	\$ Amount	Profit	Quantity
1	B-25601	1,275.00	-1148	7
2	B-25601	66.00	-12	5
3	B-25601	8.00	-2	3
4	B-25601	80.00	-56	4
5	B-25602	168.00	-111	2
6	B-25602	424.00	-272	5
7	B-25602	2,617.00	1151	4
8	B-25602	561.00	212	3
9	B-25602	119.00	-5	8
10	B-25603	1,355.00	-60	5
11	B-25603	24.00	-30	1
12	B-25603	193.00	-166	3
13	B-25603	180.00	5	3
14	B-25603	116.00	16	4
15	B-25603	107.00	36	6
16	B-25603	12.00	1	2
17	B-25603	38.00	18	1
18	B-25604	65.00	17	2
19	B-25604	157.00	5	9
20	B-25605	75.00	0	7
21	B-25606	87.00	4	2
22	B-25607	50.00	15	4
23	B-25608	1,364.00	-1864	5
24	B-25608	476.00	0	3
25	B-25608	257.00	23	5
26	B-25608	856.00	385	6
27	B-25609	485.00	29	4
28	B-25609	25.00	-5	4
29				

Target column:

The screenshot shows the Microsoft Power BI Data Editor interface. On the left, there's a sidebar titled "Queries [3]" containing three items: "List of Orders", "Order Details", and "Sales target". The "Sales target" query is currently selected and displayed in the main area. The table has three columns: "Month of Order Date", "Category", and "Target". The "Month of Order Date" column shows dates from 01-04-2018 to 01-07-2018. The "Category" column shows categories like Furniture, Clothing, and Electronics. The "Target" column shows monetary values starting at 10,400.00 and increasing by 100.00 for each subsequent row. The formula bar at the top shows the formula: = Table.TransformColumnTypes(#"Changed Type",{{"Target", Currency.Type}}).

	Month of Order Date	Category	Target
1	01-04-2018	Furniture	10,400.00
2	01-05-2018	Furniture	10,500.00
3	01-06-2018	Furniture	10,600.00
4	01-07-2018	Furniture	10,800.00
5	01-08-2018	Furniture	10,900.00
6	01-09-2018	Furniture	11,000.00
7	01-10-2018	Furniture	11,100.00
8	01-11-2018	Furniture	11,300.00
9	01-12-2018	Furniture	11,400.00
10	01-01-2019	Furniture	11,500.00
11	01-02-2019	Furniture	11,600.00
12	01-03-2019	Furniture	11,800.00
13	01-04-2018	Clothing	12,000.00
14	01-05-2018	Clothing	12,000.00
15	01-06-2018	Clothing	12,000.00
16	01-07-2018	Clothing	14,000.00
17	01-08-2018	Clothing	14,000.00
18	01-09-2018	Clothing	14,000.00
19	01-10-2018	Clothing	16,000.00
20	01-11-2018	Clothing	16,000.00
21	01-12-2018	Clothing	16,000.00
22	01-01-2019	Clothing	16,000.00
23	01-02-2019	Clothing	16,000.00
24	01-03-2019	Clothing	16,000.00
25	01-04-2018	Electronics	9,000.00
26	01-05-2018	Electronics	9,000.00
27	01-06-2018	Electronics	9,000.00
28	01-07-2018	Electronics	9,000.00

4. Format the "CustomerName" column into proper case, ensuring consistent capitalization for each word.

Query Settings

PROPERTIES

- Name: List of Orders
- All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Kept First Rows
- Changed Type1
- Capitalized Each Word

A _B C Order ID	Order Date	A _B C CustomerName	A _B C State	A _B C City
1 B-25601	01-04-2018	Bharat	Gujarat	Ahmedabad,Gujarat
2 B-25602	01-04-2018	Pearl	Maharashtra	Pune,Maharashtra
3 B-25603	03-04-2018	Jahan	Madhya Pradesh	Bhopal,Madhya Pradesh
4 B-25604	03-04-2018	Divsha	Rajasthan	Jaipur,Rajasthan
5 B-25605	05-04-2018	Kasheen	West Bengal	Kolkata,West Bengal
6 B-25606	06-04-2018	Hazel	Karnataka	Bangalore,Karnataka
7 B-25607	06-04-2018	Sonakshi	Jammu and Kashmir	Kashmir,Jammu and Kashmir
8 B-25608	08-04-2018	Aarushi	Tamil Nadu	Chennai,Tamil Nadu
9 B-25609	09-04-2018	Jitesh	Uttar Pradesh	Lucknow,Uttar Pradesh
10 B-25610	09-04-2018	Yogesh	Bihar	Patna,Bihar
11 B-25611	11-04-2018	Anita	Kerala	Thiruvananthapuram,Kerala
12 B-25612	12-04-2018	Shrichand	Punjab	Jalandhar,Punjab
13 B-25613	12-04-2018	Mukesh	Haryana	Chandigarh,Haryana
14 B-25614	13-04-2018	Vandana	Himachal Pradesh	Simla,Himachal Pradesh
15 B-25615	15-04-2018	Bhavna	Sikkim	Gangtok,Sikkim
16 B-25616	15-04-2018	Kanak	Goa	Goa,Goa
17 B-25617	17-04-2018	Sagar	Nagaland	Kohima,Nagaland
18 B-25618	18-04-2018	Manju	Andhra Pradesh	Hyderabad,Andhra Pradesh
19 B-25619	18-04-2018	Ramesh	Gujarat	Ahmedabad,Gujarat
20 B-25620	20-04-2018	Sarita	Madhya Pradesh	Bhopal,Madhya Pradesh
21 B-25621	20-04-2018	Deepak	Rajasthan	Jaipur,Rajasthan
22 B-25622	22-04-2018	Monisha	West Bengal	Kolkata,West Bengal
23 B-25623	22-04-2018	Atharv	Karnataka	Bangalore,Karnataka
24 B-25624	22-04-2018	Vini	Jammu and Kashmir	Kashmir,Jammu and Kashmir
25 B-25625	23-04-2018	Pinky	Maharashtra	Pune,Maharashtra
26 B-25626	23-04-2018	Bhishm	Uttar Pradesh	Lucknow,Uttar Pradesh
27 B-25627	23-04-2018	Hitika	Madhya Pradesh	Indore,Madhya Pradesh
28 B-25628	24-04-2018	Pooja	Bihar	Patna,Bihar

5. Merge the "State" and "City" columns to create a new column named "Location" in the format 'City, State'.

Query Settings

PROPERTIES

- Name: List of Orders
- All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Kept First Rows
- Changed Type1
- Capitalized Each Word
- Merged Columns

Order ID	Order Date	CustomerName	Location
1 501	01-04-2018	Bharat	Ahmedabad,Gujarat
2 502	01-04-2018	Pearl	Pune,Maharashtra
3 503	03-04-2018	Jahan	Bhopal,Madhya Pradesh
4 504	03-04-2018	Divsha	Jaipur,Rajasthan
5 505	05-04-2018	Kasheen	Kolkata,West Bengal
6 506	06-04-2018	Hazel	Bangalore,Karnataka
7 507	06-04-2018	Sonakshi	Kashmir,Jammu and Kashmir
8 508	08-04-2018	Aarushi	Chennai,Tamil Nadu
9 509	09-04-2018	Jitesh	Lucknow,Uttar Pradesh
10 510	09-04-2018	Yogesh	Patna,Bihar
11 511	11-04-2018	Anita	Thiruvananthapuram,Kerala
12 512	12-04-2018	Shrichand	Chandigarh,Punjab
13 513	12-04-2018	Mukesh	Chandigarh,Haryana
14 514	13-04-2018	Vandana	Simla,Himachal Pradesh
15 515	15-04-2018	Bhavna	Gangtok,Sikkim
16 516	15-04-2018	Kanak	Goa,Goa
17 517	17-04-2018	Sagar	Kohima,Nagaland
18 518	18-04-2018	Manju	Hyderabad,Andhra Pradesh
19 519	18-04-2018	Ramesh	Ahmedabad,Gujarat
20 520	20-04-2018	Sarita	Pune,Maharashtra
21 521	20-04-2018	Deepak	Bhopal,Madhya Pradesh
22 522	22-04-2018	Monisha	Jaipur,Rajasthan
23 523	22-04-2018	Atharv	Kolkata,West Bengal
24 524	22-04-2018	Vini	Bangalore,Karnataka
25 525	23-04-2018	Pinky	Kashmir,Jammu and Kashmir
26 526	23-04-2018	Bhishm	Mumbai,Maharashtra
27 527	23-04-2018	Hitika	Indore,Madhya Pradesh
28 528	24-04-2018	Pooja	Patna,Bihar

6. Create a new custom column named "Profit Margin" as the percentage of "Profit" divided by "Amount".

Queries [3]

Table

Data type: Percentage

Any Column Text Column Number Column

Query Settings

Properties

Name: Order Details

All Properties

Applied Steps

Source Promoted Headers Changed Type Changed Type1 Added Custom **Changed Type2**

	Quantity	Category	Sub-Category	Profit Margin
1	8	7 Furniture	Bookcases	-90.04%
2	2	5 Clothing	Stole	-18.18%
3	2	3 Clothing	Hankerchief	-25.00%
4	6	4 Electronics	Electronic Games	-70.00%
5	1	2 Electronics	Phones	-66.07%
6	2	5 Electronics	Phones	-64.15%
7	1	4 Electronics	Phones	43.98%
8	2	3 Clothing	Saree	37.79%
9	5	8 Clothing	Saree	-4.20%
10	0	5 Clothing	Trousers	-4.43%
11	0	1 Furniture	Chairs	-125.00%
12	6	3 Clothing	Saree	-86.01%
13	5	3 Clothing	Trousers	2.78%
14	6	4 Clothing	Stole	13.79%
15	6	6 Clothing	Stole	33.64%
16	1	2 Clothing	Hankerchief	8.33%
17	8	1 Clothing	Kurti	47.37%
18	7	2 Clothing	T-shirt	26.15%
19	5	9 Clothing	Saree	3.18%
20	0	7 Clothing	Saree	0.00%
21	4	2 Clothing	Shirt	4.60%
22	5	4 Clothing	Leggings	30.00%
23	4	5 Furniture	Tables	-136.66%
24	0	3 Furniture	Chairs	0.00%
25	3	5 Clothing	Hankerchief	8.95%
26	5	6 Electronics	Printers	44.98%
27	9	4 Electronics	Electronic Games	5.98%
28	5	4 Clothing	Saree	-20.00%

7. Add a new conditional column named "Profit Status" based on the values in the "Profit" column. The conditions are as follows: if the profit is less than 0, the label should be "Loss"; if the profit equals 0, the label should be "Break-Even"; and if the profit is greater than 0, the label should be "Profit".

Queries [3]

Table

Data type: Percentage

Any Column Text Column Number Column

Query Settings

Properties

Name: Order Details

All Properties

Applied Steps

Source Promoted Headers Changed Type Changed Type1 Added Custom **Added Conditional Column**

	Quantity	Category	Sub-Category	Profit Margin	Profit Status
1	8	7 Furniture	Bookcases	-90.04%	Loss
2	2	5 Clothing	Stole	-18.18%	Loss
3	2	3 Clothing	Hankerchief	-25.00%	Loss
4	6	4 Electronics	Electronic Games	-70.00%	Loss
5	2	2 Electronics	Phones	-66.07%	Loss
6	5	5 Electronics	Phones	-64.15%	Loss
7	4	4 Electronics	Phones	43.98%	Profit
8	3	3 Clothing	Saree	37.79%	Profit
9	8	8 Clothing	Saree	-4.20%	Loss
10	5	5 Clothing	Trousers	-4.43%	Loss
11	1	1 Furniture	Chairs	-125.00%	Loss
12	3	3 Clothing	Saree	-86.01%	Loss
13	3	3 Clothing	Trousers	2.78%	Profit
14	4	4 Clothing	Stole	13.79%	Profit
15	6	6 Clothing	Stole	33.64%	Profit
16	2	2 Clothing	Hankerchief	8.33%	Profit
17	1	1 Clothing	Kurti	47.37%	Profit
18	2	2 Clothing	T-shirt	26.15%	Profit
19	9	9 Clothing	Saree	3.18%	Profit
20	7	7 Clothing	Saree	0.00%	Break- Even
21	2	2 Clothing	Shirt	4.60%	Profit
22	4	4 Clothing	Leggings	30.00%	Profit
23	5	5 Furniture	Tables	-136.66%	Loss
24	3	3 Furniture	Chairs	0.00%	Break- Even
25	5	5 Clothing	Hankerchief	8.95%	Profit
26	6	6 Electronics	Printers	44.98%	Profit
27	4	4 Electronics	Electronic Games	5.98%	Profit
28	4	4 Clothing	Saree	-20.00%	Loss

Merging Data (Joins):

Merge the "List of Orders" and "Order Details" tables into a new single table named "Orders Data" based on the "Order ID" relationship.

The screenshot shows the Power BI Data Editor interface with four tabs in the left sidebar: 'List of Orders', 'Order Details', 'Sales target', and 'Orders Data'. The main area displays a table with columns: Order ID, Order Date, CustomerName, Location, and Order Details Order ID, Order Details Amount. The 'Applied Steps' pane on the right shows the 'Expanded Order Details' step under the 'Source' section.

Order ID	Order Date	CustomerName	Location	Order Details Order ID	Order Details Amount
B-25601	01-04-2018	Bharat	Ahmedabad,Gujarat	B-25601	1,2
B-25601	01-04-2018	Bharat	Ahmedabad,Gujarat	B-25601	1,2
B-25601	01-04-2018	Bharat	Ahmedabad,Gujarat	B-25601	1,2
B-25601	01-04-2018	Bharat	Ahmedabad,Gujarat	B-25601	1,2
B-25602	01-04-2018	Pearl	Pune,Maharashtra	B-25602	1
B-25602	01-04-2018	Pearl	Pune,Maharashtra	B-25602	1
B-25602	01-04-2018	Pearl	Pune,Maharashtra	B-25602	1
B-25602	01-04-2018	Pearl	Pune,Maharashtra	B-25602	1
B-25602	01-04-2018	Pearl	Pune,Maharashtra	B-25602	1
B-25602	01-04-2018	Pearl	Pune,Maharashtra	B-25602	1
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh	B-25603	1,3
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh	B-25603	1,3
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh	B-25603	1,3
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh	B-25603	1,3
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh	B-25603	1,3
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh	B-25603	1,3
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh	B-25603	1,3
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh	B-25603	1,3
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh	B-25603	1,3
B-25604	03-04-2018	Divsha	Jaipur,Rajasthan	B-25604	1
B-25604	03-04-2018	Divsha	Jaipur,Rajasthan	B-25604	1
B-25605	05-04-2018	Kasheen	Kolkata,West Bengal	B-25605	1
B-25606	06-04-2018	Hazel	Bangalore,Karnataka	B-25606	1
B-25607	06-04-2018	Sonakshi	Kashmir,Jammu and Kashmir	B-25607	1,3
B-25608	08-04-2018	Aarushi	Chennai,Tamil Nadu	B-25608	4
B-25608	08-04-2018	Aarushi	Chennai,Tamil Nadu	B-25608	4
B-25608	08-04-2018	Aarushi	Chennai,Tamil Nadu	B-25608	4
B-25608	08-04-2018	Aarushi	Chennai,Tamil Nadu	B-25608	4

Handling Missing Data & Duplicate Data:

- Identify missing values in the data and determine a strategy to address them.
- Check for duplicate rows and define a strategy to handle duplicates.

The screenshot shows the Power BI Data Editor interface with four tabs in the left sidebar: 'List of Orders', 'Order Details', 'Sales target', and 'Orders Data'. The main area displays a table with columns: Order ID, Order Date, CustomerName, and Location. The 'Applied Steps' pane on the right shows the 'Removed Blank Rows' step under the 'Source' section.

Order ID	Order Date	CustomerName	Location
B-25601	01-04-2018	Bharat	Ahmedabad,Gujarat
B-25602	01-04-2018	Pearl	Pune,Maharashtra
B-25603	03-04-2018	Jahan	Bhopal,Madhya Pradesh
B-25604	03-04-2018	Divsha	Jaipur,Rajasthan
B-25605	05-04-2018	Kasheen	Kolkata,West Bengal
B-25606	06-04-2018	Hazel	Bangalore,Karnataka
B-25607	06-04-2018	Sonakshi	Kashmir,Jammu and Kashmir
B-25608	08-04-2018	Aarushi	Chennai,Tamil Nadu
B-25609	09-04-2018	Jitesh	Lucknow,Uttar Pradesh
B-25610	09-04-2018	Yogesh	Patna,Bihar
B-25611	11-04-2018	Anita	Thiruvananthapuram,Kerala
B-25612	12-04-2018	Shruchand	Chandigarh,Punjab
B-25613	12-04-2018	Mukesh	Chandigarh,Haryana
B-25614	13-04-2018	Vandana	Simla,Himachal Pradesh
B-25615	15-04-2018	Bhavna	Gangtok,Sikkim
B-25616	15-04-2018	Kanak	Goa,Goa
B-25617	17-04-2018	Sagar	Kohima,Nagaland
B-25618	18-04-2018	Manju	Hyderabad,Andhra Pradesh
B-25619	18-04-2018	Ramesh	Ahmedabad,Gujarat
B-25620	20-04-2018	Sarita	Pune,Maharashtra
B-25621	20-04-2018	Deepak	Bhopal,Madhya Pradesh
B-25622	22-04-2018	Monisha	Jaipur,Rajasthan
B-25623	22-04-2018	Atharv	Kolkata,West Bengal
B-25624	22-04-2018	Vini	Bangalore,Karnataka
B-25625	23-04-2018	Pinky	Kashmir,Jammu and Kashmir
B-25626	23-04-2018	Bhishm	Mumbai,Maharashtra

Sorting and Filtering Data:

- In the ‘Orders Data’ table, utilize sorting and filtering techniques on columns like

Order Date, State or Category to analyze data based on specific criteria:

- Sort the orders by Order Date in descending order to analyze recent trends

Query Settings

PROPERTIES

Name: Orders Data

All Properties

APPLIED STEPS

Source
Expanded Order Details
Removed Duplicates
Sorted Rows

	Order ID	Order Date	CustomerName	Location
1	B-26100	31-03-2019	Hitika	Indore,Madhya Pradesh
2	B-26099	30-03-2019	Bhishm	Mumbai,Maharashtra
3	B-26098	29-03-2019	Pinky	Kashmir,Jammu and Kashmir
4	B-26097	28-03-2019	Vini	Bangalore,Karnataka
5	B-26096	28-03-2019	Atharv	Kolkata,West Bengal
6	B-26095	28-03-2019	Monisha	Jaipur,Rajasthan
7	B-26094	27-03-2019	Deepak	Bhopal,Madhya Pradesh
8	B-26091	27-03-2019	Manju	Hyderabad,Andhra Pradesh
9	B-26092	27-03-2019	Ramesh	Ahmedabad,Gujarat
10	B-26093	27-03-2019	Sarita	Pune,Maharashtra
11	B-26090	27-03-2019	Sagar	Kohima,Nagaland
12	B-26088	26-03-2019	Bhavna	Gangtok,Sikkim
13	B-26086	26-03-2019	Mukesh	Chandigarh,Haryana
14	B-26087	26-03-2019	Vandana	Simla,Himachal Pradesh
15	B-26085	26-03-2019	Shrichand	Chandigarh,Punjab
16	B-26089	26-03-2019	Kanak	Goa,Goa
17	B-26084	25-03-2019	Anita	Thiruvananthapuram,Kerala
18	B-26083	24-03-2019	Yogesh	Patna,Bihar
19	B-26082	23-03-2019	Jitesh	Lucknow,Uttar Pradesh
20	B-26078	22-03-2019	Kasheen	Kolkata,West Bengal
21	B-26077	22-03-2019	Divsha	Jaipur,Rajasthan
22	B-26080	22-03-2019	Sonakshi	Kashmir,Jammu and Kashmir
23	B-26079	22-03-2019	Hazel	Bangalore,Karnataka
24	B-26081	22-03-2019	Aarushi	Chennai,Tamil Nadu
25	B-26074	21-03-2019	Bharat	Ahmedabad,Gujarat
26	B-26073	21-03-2019	Pournamasi	Indore,Madhya Pradesh
		31-03-2019	Daniel	Dhaka,Bangladesh

- Filter the orders to focus only on a specific state (e.g., Tamil Nadu) for regional analysis.

= Table.SelectRows(#"Sorted Rows", each [Location] = "Chennai,Tamil Nadu")

	Order ID	Order Date	CustomerName	Location	Order Details.Order ID
1	26081	22-03-2019	Aarushi	Chennai,Tamil Nadu	B-26081
2	26018	14-02-2019	Aarushi	Chennai,Tamil Nadu	B-26018
3	26008	09-02-2019	Kalyani	Chennai,Tamil Nadu	B-26008
4	25860	15-11-2018	Akshay	Chennai,Tamil Nadu	B-25860
5	25788	21-09-2018	Dinesh	Chennai,Tamil Nadu	B-25788
6	25716	11-07-2018	Surabhi	Chennai,Tamil Nadu	B-25716
7	25698	23-06-2018	Amisha	Chennai,Tamil Nadu	B-25698
8	25608	08-04-2018	Aarushi	Chennai,Tamil Nadu	B-25608

Grouping and Aggregating Data:

- Duplicate the “Order Details” table and calculate the count of each Order ID, average profit by Category or total amount by Sub-Category.

Order details table calculate order id count

The screenshot shows the Power BI Query Editor interface. On the left, the 'Queries [5]' pane lists five queries: 'List of Orders', 'Order Details', 'Sales target', 'Orders Data', and 'Order Details (2)', with 'Order Details (2)' selected. The main area displays a table with two columns: 'Order ID' and 'Count of Orders'. The table contains 26 rows of data. The 'Count of Orders' column shows the frequency of each Order ID. To the right, the 'Query Settings' pane is open, showing the 'PROPERTIES' section with 'Name' set to 'Order Details (2)' and the 'APPLIED STEPS' section which includes steps like 'Promoted Headers', 'Changed Type', and 'Grouped Rows'.

Order ID	Count of Orders
B-25601	4
B-25602	5
B-25603	8
B-25604	2
B-25605	1
B-25606	1
B-25607	1
B-25608	4
B-25609	2
B-25610	6
B-25611	1
B-25612	1
B-25613	1
B-25614	2
B-25615	1
B-25616	4
B-25617	1
B-25618	2
B-25619	1
B-25620	1
B-25621	3
B-25622	1
B-25623	4
B-25624	1
B-25625	3
B-25626	2

Average Profit by Category

The screenshot shows the Power BI Query Editor interface. On the left, the 'Queries [5]' pane lists five queries: 'List of Orders', 'Order Details', 'Sales target', 'Orders Data', and 'Order Details (2)', with 'Order Details' selected. The main area displays a table with two columns: 'Category' and 'Average Profit'. The table contains 3 rows of data. The 'Average Profit' column shows the average profit for each category. To the right, the 'Query Settings' pane is open, showing the 'PROPERTIES' section with 'Name' set to 'Order Details' and the 'APPLIED STEPS' section which includes steps like 'Promoted Headers', 'Changed Type', and 'Grouped Rows'.

Category	Average Profit
Furniture	9.456790123
Clothing	11.76290832
Electronics	34.07142857

Total Amount by Sub-Category

Query Settings

PROPERTIES

Name: Order Details

All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Changed Type1
- Added Custom
- Changed Type2
- Added Conditional Column
- Grouped Rows

	Sub-Category	1.2 Total Amount
1	Bookcases	56861
2	Stole	18546
3	Hankerchief	14608
4	Electronic Games	39168
5	Phones	46119
6	Saree	53511
7	Trousers	30039
8	Chairs	34222
9	Kurti	3361
10	T-shirt	7382
11	Shirt	7555
12	Leggings	2106
13	Tables	22614
14	Printers	58252
15	Accessories	21728
16	Furnishings	13484
17	Skirt	1946

- Duplicate the “Sales Target” table and aggregate the total target amount by Month of Order Date.

Query Settings

PROPERTIES

Name: Sales Target by Month

All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Changed Type1
- Grouped Rows

	Month of Order Date	1.2 total target
1	01-04-2018	31400
2	01-05-2018	31500
3	01-06-2018	31600
4	01-07-2018	33800
5	01-08-2018	33900
6	01-09-2018	34000
7	01-10-2018	36100
8	01-11-2018	36300
9	01-12-2018	36400
10	01-01-2019	43500
11	01-02-2019	43600
12	01-03-2019	43800