

SESSION WILL BE DIVIDED INTO

1. What is meant by Data Transformations?
2. Why do we need it?
3. Loading the data from Snowflake and Excel
4. Real Life Saviours
5. Closing the session

SECTION 1

What Is Meant By Data Transformations

- **Data Transformation** refers to the process of converting data from one format or structure into another.
- This is a key step in data processing workflows, especially in **ETL (Extract, Transform, Load)** operations, where raw data is processed, cleaned, and made suitable for analysis and reporting.

SECTION 1

What Is Meant By Data Transformations

- **Examples of data transformations are**
- Changing the data type of columns
- Replacing a value from the column
- Adding a new column
- Removing a column
- Merging or appending two columns
- String manipulation of the columns
- And many more

SECTION 2

Why Do We Need It?

- Why do we need it?
- **Data Consistency:** Ensures the data is in a uniform format.
- **Improved Analysis:** Helps to cleanse and aggregate data for accurate analysis.
- **Data Integration:** Allows combining data from multiple sources or systems.
- **Data Enrichment:** Adds additional value to raw data by deriving new fields or insights.
- **Optimized Storage:** By cleaning and aggregating data, it can be stored more efficiently

SECTION 3

Where
Can
We
Apply
Data
Transformations
?

- THE ANSWER IS “POWER QUERY EDITOR”

Queries [2]

Sort Ascending

Sort Descending

Clear Sort

Clear Filter

Remove Empty

Date Filters

Search

☒ (Select All)

☒ 01-04-2022

List may be incomplete. Load more

OK

Cancel

Table.Sort(ORDERS_Table,{{"DATE_", Order.Ascending}})

DATE	CITY_NAME	ORDER_ID	CART_ID	DIM_CUSTOMER_KEY	PROCURED_QUANTITY	UNIT_SELLIN
	Mumbai	112247182	173273662	16541671	1	
	Bengaluru	112246976	173273597	18259433	1	
	HR-NCR	112247149	173274225	479129	1	
	Delhi	112247317	173274278	13497358	1	
	Delhi	112247233	173269263	21466	1	
	HR-NCR	112247321	173273059	4480518	1	
	Delhi	112247317	173274278	13497358	1	
	Bengaluru	112247425	173273350	17213227	1	
	Bengaluru	112247328	173269880	18049405	2	
	HR-NCR	112247431	173274695	1778240	1	
	HR-NCR	112247464	173273818	13982586	1	
	Delhi	112247443	169126739	7258345	1	
	Bengaluru	112247487	173275066	2812501	2	
	Delhi	112247483	173274915	5792943	1	
	Bengaluru	112247487	173275066	2812501	1	
	Delhi	112247513	172624184	18062502	2	
	Delhi	112247522	173275012	17550576	1	
18	01-04-2022	HR-NCR	112247528	173117975	2394931	1
19	01-04-2022	HR-NCR	112247536	173274618	5507569	1
20	01-04-2022	Delhi	112247584	172746884	2046368	1
21	01-04-2022	Delhi	112247638	173274990	16407400	1
22	01-04-2022	HR-NCR	112247693	173273354	18275433	1
23	01-04-2022	Delhi	112247673	151098842	7547491	1
24	01-04-2022	Delhi	112247712	173275226	2973152	1
25	01-04-2022	HR-NCR	112247731	173271251	2134324	1
26	01-04-2022	Bengaluru	173274184	16712007	2	
27	01-04-2022	Delhi	112247744	173275338	6981521	1
28						

Query Settings

PROPERTIES

Name

ORDERS

All Properties

APPLIED STEPS

Source

Navigation

Sorted Rows

10 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 12:19

SECTION 4

Understanding The UI Of Power Query Editor

- Let us go to the Power Query Editor

SECTION 4

Loading The Data Into Power BI

- We will load two tables
- PEOPLE AND RETURNS TABLE FROM SNOWFLAKE
- Orders table from excel

SECTION 5

**REAL LIFE
SAVIOURS.**

**(CASE
STUDY FOR
YOU)**

EXAMPLE 1:

CHANGING THE DATA SOURCE