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?

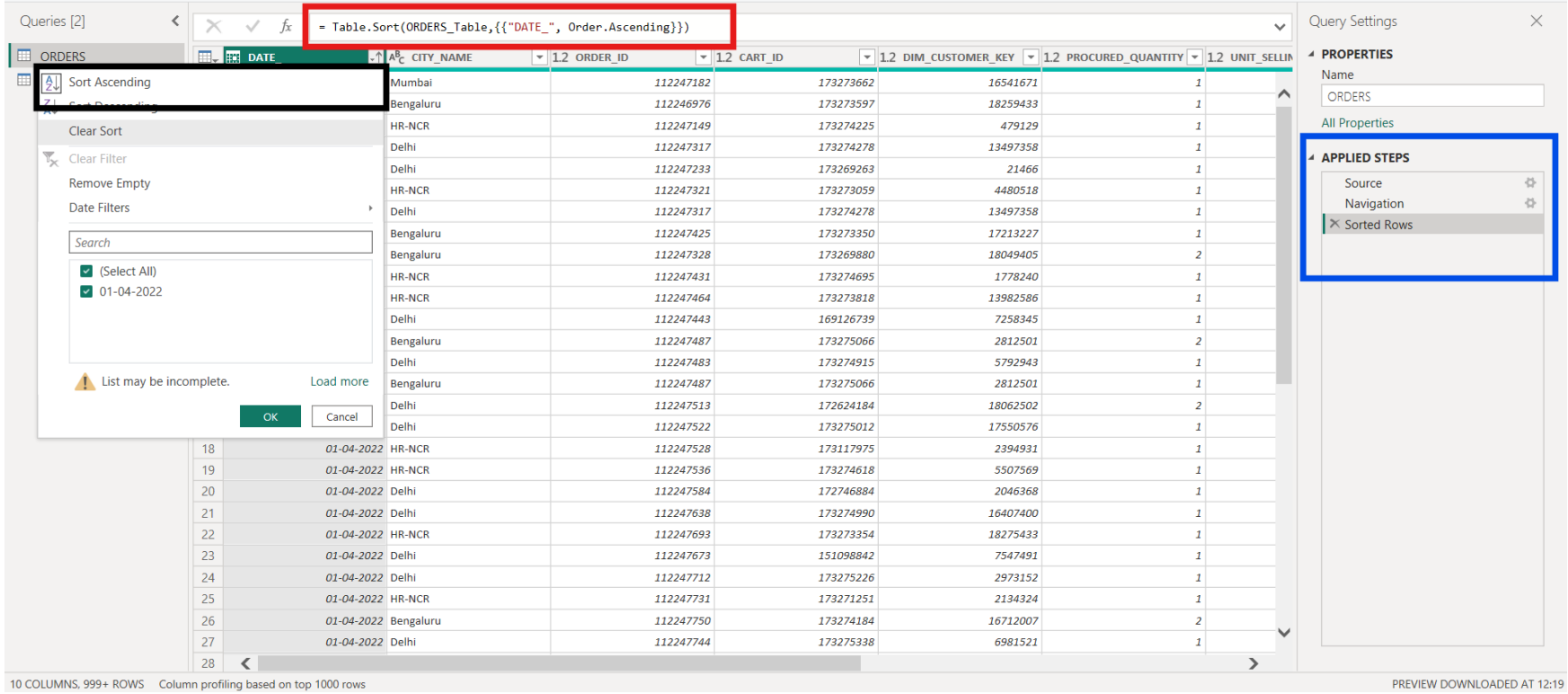
- Why do we need it?

- **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”



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