

## 1. DataCleaning

- Remove duplicate rows.
- Trim extra spaces in text fields.
- Change column headers into proper format (e.g., "Product\_Name" → "Product Name").

## 2. DataTransformation

- Split a column into two (for example, "Full Name" into "First Name" and "Last Name").
- Merge two columns (e.g., "City" + "State").
- Change data types (numbers, dates, text).

## 3. Filter\_Sort

- Filter records for a specific region/country.
- Sort data by sales in descending order.
- Show only top 10 products by sales.

## 4. Q1Sales, Q2Sales, ProductMaster

- Load all three sheets.
- Merge **Q1Sales** and **Q2Sales** into one dataset.
- Use **ProductMaster** to bring product category details with a join/merge.
- Create a column for total sales per product.

## 5. Pivot\_Unpivot

- Unpivot columns (e.g., Month-wise sales into rows).
- Pivot again to show sales by category per month.

## 6. ConditionalColumn

- Create a conditional column:
  - If Sales > 50,000 → "High"
  - Else If Sales between 20,000–50,000 → "Medium"
  - Else → "Low".

## 7. GroupBy

- Group by region or category.
- Calculate sum of sales and average sales per group.