Show code

Welcome to Mentorskool!

Use workbook **Orders_Week_03_Begin.xlsx** for Questions 1 to 3

Question 1

- Is there bad data in state?
- How can we change the bad data in state without formulas? (**Hint:**Trim)
- Split the order ID and retain only the number.

Learning Goal : *Understand basic transformations and split column by delimiter*

Question 2

- Analyze the following :
  - What is the number of ship days for different types of **Ship mode**?
  - Are there any transactions where **ship mode = Same Day** and it isn't satisfied?

Learning Goal : *Learning the concepts of filtering, custom columns in Power Query*

Question 3

- Create a column called **Product-code**.
  - Use the Product Name column to fetch the same.
  - Ex. if the Product Name value is **Prod1819**, **1819** is the **Product-Code**.
- Identify the orders where the **Shipping_days > 4** and create a column as whether there is a delay or not.

Learning Goal : *Learning the concepts of split column by number of characters, conditional column*

Question 4

Use the workbooks **Orders_2014.xlsx**, **Orders_2015.xlsx**, **Orders_2016.xlsx**

- Append these workbooks into a single table using PowerQuery.
- How do you use **Load to connection** to append data?
- How does **refresh** work after the source is updated?

Learning Goal : *Understand the importance of appending and refreshing the data*

Question 5

Use workbook **Orders_Week_03_Begin.xlsx**, **Returns.xlsx**, **Vendors.xlsx**

- How many orders were **returned** from vendor **Voyage Enterprises**? 177
- What percentage of orders were **not returned** from **Alabama** state customers? 59/61 = 96.7%
- How many **Corporate** orders were returned? 257
- Which **category** of products had high returned numbers? Furniture - 171 Office supplies - 199+ Technology - 156

Learning Goal : *Understand the importance of merging and creating a single table for analysis*

Question 6

- Use the workbook **Orders_Q6**.
- The order details are present in 4 different sheets with one for each quarter. Do analysis as below.
- If **shipping_days** = **Ship date - Order date** and
    - Ship mode = Same day (zero delivery days)
    - Ship mode = First class (2 delivery days)
    - Ship mode = Second class (3 delivery days)
    - Ship mode = Standard class (4 delivery days)
    - Create a column for delivery days by ship mode (Ship_mode_days)
- Create a column called **Delivery_delay** and populate it as follows:

  Delivery_delay = shipping_days - (Ship_mode_days).
- Create a column called **Delivery_status** and populate as follows:
    - Delivery_delay > 0, Delivery_status = **Delayed**
    - Delivery_delay <= 0, Delivery_status = **On Time**

- Get On Time % for different vendors using the newly created column Delivery_delay as
    - **On Time % = (On Time deliveries)/(Total deliveries)**

Learning Goal : *Understand the importance of Group by and Pivot operations*