LAB 3 _Data Analysis using Pivot Tables and Charts_ANP-D2495

Dataset: online_food_orders.xlsx

1. Total Sales by Restaurant

- Create a pivot table to calculate the total **TotalAmount** for each restaurant

  (Rows: Restaurant; Values: Sum of TotalAmount)

- Add a pivot chart → **Column Chart**

2. Sales by City and Food Category

- Build a pivot table showing sales by city and category

  (Rows: City; Columns: FoodCategory; Values: Sum of TotalAmount)

- Insert a → **Stacked Bar Chart**

3. Orders by Payment Mode

- Count the number of orders grouped by payment method

  (Rows: PaymentMode; Values: Count of OrderID)

- Insert a → **Pie Chart**

4. Delivery Status Analysis

- Create a pivot table showing count of orders by delivery status

  (Rows: DeliveryStatus; Values: Count of OrderID; Slicers: City, Restaurant)

- Insert → **Column or Bar Chart**

5. Top-Selling Food Categories

- Create a pivot table summing sales per food category

  (Rows: FoodCategory; Values: Sum of TotalAmount)

- Sort values → **Descending**
- Insert → **Bar Chart**

6. Monthly Sales Trend

- Extract **Month** from *OrderDate*

- Create a pivot table showing monthly sales

  (Rows: OrderMonth; Values: Sum of TotalAmount; Columns: Restaurant (optional); Slicer: FoodCategory)
- Insert → **Line Chart**

7. Average Order Value by City

- Create a pivot table to calculate average order value

  (Rows: City; Values: Average of TotalAmount; Slicers: PaymentMode, DeliveryStatus)
- Insert → **Column Chart**

8. Restaurant-Wise Order Quantity

- Create a pivot table showing quantity sold per restaurant

  (Rows: Restaurant; Values: Sum of Quantity; Columns: FoodCategory (optional); Slicers: FoodCategory, PaymentMode)
- Insert → **Clustered Column Chart**