# Power BI Assignment Outline

## Objective

To explore, analyze, and visualize sales performance and branch operations using Power BI.

## Data Preparation

- Import all datasets into Power BI.  
- Clean the data:  
 - Address missing values in 'Sales Amount'   
 - Ensure correct data types (e.g., date formats, numerical fields).

## Analysis Areas

1. Sales Performance:  
 - Total sales by branch, pizza type, and time range.  
 - Monthly and daily trends in sales.  
2. Branch Insights:  
 - Branch-wise contribution to overall sales.  
 - Top-performing managers.  
3. Target Analysis:  
 - Compare actual sales with daily targets.  
 - Identify days and branches consistently achieving or missing targets.

## Advanced Insights

- Identify patterns in underperformance, such as specific days or time ranges.  
- Analyze the impact of manager assignments on branch performance.  
- Explore product-specific trends to identify customer preferences.  
- Assess peak sales hours and align them with staffing needs.  
- Investigate any correlations between branch location and sales volume.

## Visualizations

- Bar charts: Sales by branch and pizza type.  
- Line charts: Daily sales vs. targets over time.  
- Heatmaps: Time range performance.  
- Pie charts: Contribution of each branch to total sales.  
- Scatter plots: Relationship between quantity sold and sales amount.

## Dashboard and Reporting

Create an interactive dashboard summarizing key insights, including:  
- Filters for branch, time range, and pizza type.  
- Highlights of top-performing branches and managers.  
- Visual comparison of sales performance versus targets.

Ideal Output : You can add more inputs create 2 pages  
Submit on : [Zeeshan.quantumlearnings@gmail.com](mailto:Zeeshan.quantumlearnings@gmail.com)

Mention: Your Batch along with title >>Pizza Sales Analysis

