TASK SHEET

1. Data Transformation:

How can you create a new column for total sales   
(i.e., Quantity Ordered \* Price Each)?

1. Seasonal Analysis:
2. How do sales vary by season (e.g., Winter, Spring, Summer, Fall)?
3. Customer Behavior:

What is the average number of products per order?

1. Time-Based Analysis:

How do sales vary by day of the month?

1. Weekday vs. Weekend Sales:

How do weekday sales compare to weekend sales?

1. Sales Distribution:

What is the distribution of sales amounts (e.g., using a box plot)?

1. Order Frequency:

What is the frequency of orders per day?

1. Product Popularity:

How often is each product ordered?

1. Revenue per Customer:

What is the total revenue generated by each unique customer?

1. Cumulative Sales:

What does the cumulative sales trend look like over time?

1. Category Contribution:

What percentage of total sales does each product category contribute?

1. Sales Comparison:

How do sales compare between different cities for the same product?

1. Time Interval Analysis:

What are the peak hours for sales?

1. Customer Segmentation:

Can you segment customers based on their purchasing behavior (e.g., high spenders vs. low spenders)?

1. Profitability Analysis:

Which products have the highest profit margins?

1. Geographical Insights:

How do sales vary across different states (if state data is available)?

1. Day-Part Analysis:

How do sales vary by different parts of the day (morning, afternoon, evening, night)?

1. Purchase Patterns:

What are the most common combinations of products purchased together?

1. Sales Velocity:

How quickly do certain products sell out (i.e., time between orders for the same product)?