Study Comrade Private Limited,
GR Queens Amber Apartment,Omkar Nagar, Arekere Gate, Bangalore, 560076.

Major Project

(Data analytics)

A.) SQL Analytics

1. Retrieve the total sales (SUM) for each year. Display the results in ascending order of years.

2. List the products (PRODUCTLINE) that had more than 40 orders in a given year.

3. Find the order with the highest sales amount (SALES). Display all its details.

4. Calculate the average price for each product line (PRODUCTLINE).

5. Determine the number of orders in each quarter (QTR_ID) for the 'Motorcycles' product line.

6. List the order dates (ORDERDATE) for orders with a status of 'Shipped' in the year 2004.

7. Calculate the total sales for each product code (PRODUCTCODE) in descending order of sales.

8. Find the order with the lowest price per unit (PRICEEACH) and display its details.

9. Calculate the total sales for each month and year combination. Display the results in chronological order.

10. List the products (PRODUCTLINE) with an average price (PRICEEACH) above the overall average price for all p
roducts.

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B.) Python analytics

1. Calculate and print the total sales for each year in the dataset.

2. Find and display the order with the highest sales amount.

3. Calculate and print the average price for all orders in the dataset.

4. Create a function that counts the number of orders for a given product code.

5. Determine and display the month with the highest total sales.

6. Calculate and print the total sales for each product line.

7. Find and display the order with the lowest price per unit.

8. Create a function that filters the data to show only orders with a status of 'Shipped'.

9. Calculate and print the total sales for each quarter.

10. Create a function to plot a line chart showing the sales trend over time (year and mon
th).

C.) Excel analytics

1.What is the total sales revenue for all orders?

2.How many orders were shipped in each quarter?

3.What is the average quantity ordered per order line number?

4.Which product line generated the highest sales revenue?

5.What is the distribution of deal sizes (small, medium, large) among the orders?

6.How many orders were placed by customers from the EMEA region?

7.What is the average price per unit for each product line?

8.What is the total quantity ordered for each product code?

9.Which territory generated the highest sales revenue?

10.How many orders were shipped in each month across all years?

D.) Powerbi analytics

1.What is the trend of total sales over time (monthly or quarterly)?

2.Which product line contributes the most to total sales revenue?

3.How does the distribution of deal sizes vary across different product lines?

4.What is the geographical distribution of sales revenue by country?

5.What is the average quantity ordered per order line number?

6.Which customers have placed the highest number of orders?

7.How do sales vary across different quarters and years?

8.What is the correlation between price each and quantity ordered?

9.How does the sales performance differ between different territories?

10.What is the average price each for each product line?