CAR DATA – PANDAS QUERIES:

1. Load the Dataset with appropriate functions
2. How can you display the first and last 5 rows of the dataset
3. Include with their basic info's (Mandatory)
4. Give five point summary of the dataset
5. How can you calculate the total sales for each brand across all quarters
6. How can you filter the DataFrame to show only the rows where the Q1 Sales are greater than 10,000
7. How can you group the data by "**AUTOGROUP**" and calculate the total sales for each group
8. How can you find the brand with the highest total sale
9. How can you add a new column that calculates the average quarterly sales for each brand
10. How can you sort the DataFrame by total sales in descending order
11. How can you find the average sales for each quarter across all brands
12. How can you find the total sales for each autogroup
13. How can you plot the total sales for each brand using a bar chart
14. How can you calculate the percentage contribution of each quarter to the total sales for each brand
15. How can you create a pivot table to show the total sales for each brand per quarter
16. How can you rename the columns Q1 Sales, Q2 Sales, Q3 Sales, and Q4 Sales to Quarter 1, Quarter 2, Quarter 3, and Quarter 4
17. How can you fill any missing sales data with the average sales of that quarter
18. How can you calculate the year-over-year sales growth for each brand
19. How can you filter the DataFrame to show only the top 5 brands by total sales
20. How can you check for any duplicate rows in the DataFrame
21. How can you drop rows where any sales data is missing
22. How can you save the modified DataFrame to a new CSV file