SQL ASSIGNMENT 1

Write SQL Queries

For each question, write a SQL query that retrieves the required data. Use the following functions as specified:

- **SELECT**: To choose the columns you want to retrieve.
- **WHERE**: To filter rows based on conditions.
- **AND**: To combine multiple conditions in the WHERE clause.
- **AS**: To rename columns in the output.
- **ORDER BY**: To sort the results in ascending or descending order.

Run your queries on the dataset to ensure they produce the correct results.

Submit Your Work

- Submit the SQL file containing all your SQL queries and their corresponding outputs.
- Ensure your queries are well-formatted and easy to read.

Basic SELECT Queries

1. Write an SQL query to display all columns from the Nigerian_Car_Prices table.
2. Retrieve only the Make, Year_of_manufacture, and Price columns from the table.

WHERE Clause

3. Write a query to find all Toyota cars in the dataset.
4. Retrieve all cars manufactured in the year 2008.
5. Display all cars that are "Nigerian Used."

WHERE with AND

6. Retrieve all automatic transmission cars that use petrol.
7. Find all cars that are Toyota, manufactured in 2007, and are Nigerian Used.

Column Aliases (AS)

8. Write a query to display Make as Car_Brand and Price as Car_Price.
9. Retrieve Mileage, but rename it as Distance_Travelled.

Division (/) in SELECT

10. Write a query to calculate the price per mileage (Price / Mileage) for each car and display it as Price_Per_KM.

ORDER BY Clause

11. Retrieve all cars, sorted by Price in descending order.
12. Retrieve all cars sorted by Year_of_manufacture in ascending order.
13. List all Toyota cars sorted by mileage in descending order.
14. Retrieve all cars that are Nigerian Used, sorted first by Year_of_manufacture (ascending) and then by Price (descending).