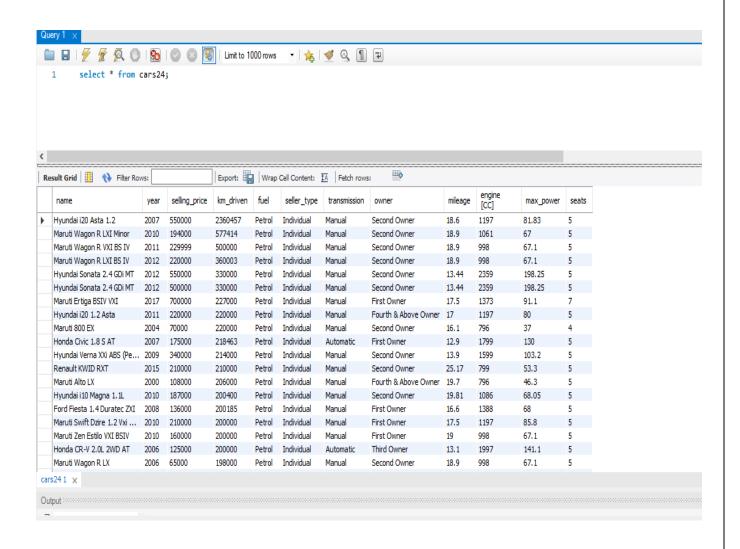
# **Data Analytics SQL Mini-Project**

### **Insight number 1**

-- Reading the whole table

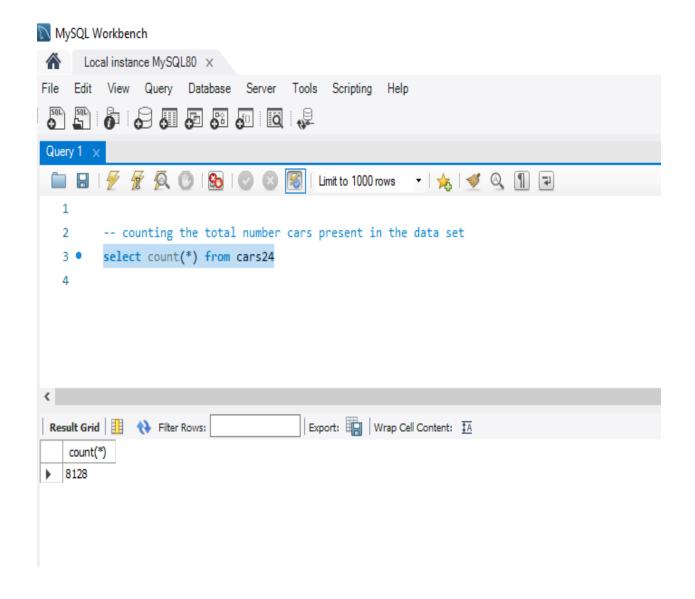
select \* from cars24



This query gives an overview of the full dataset of the cars24 table.

-- counting the total number cars present in the data set

select count (\*) from cars24



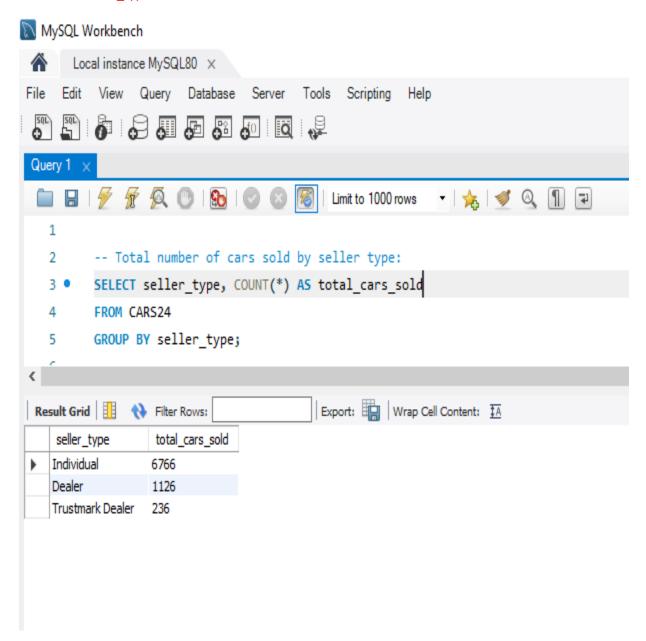
> This query gives an overview of the total number of cars present in the cars24 table.

-- Total number of cars sold by seller type:

SELECT seller\_type, COUNT (\*) AS total\_cars\_sold

FROM CARS24

GROUP BY seller\_type;



> This query gives an overview of the distribution of car sales among different types of sellers.

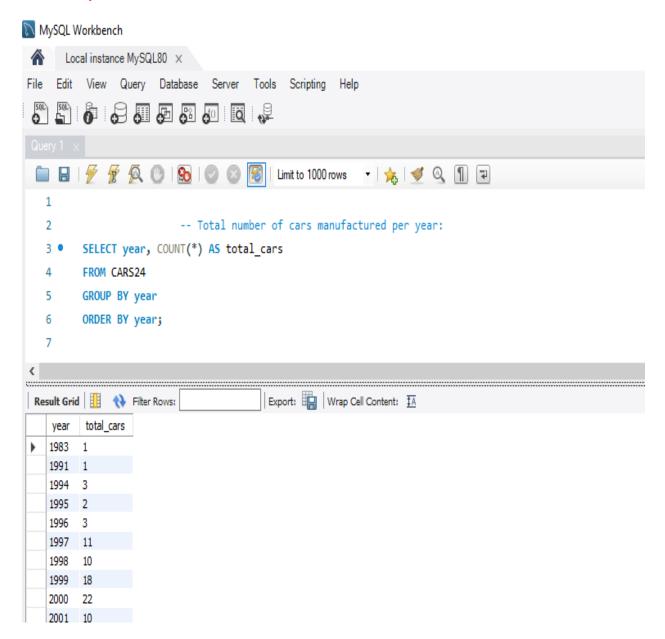
-- Total number of cars manufactured per year:

SELECT year, COUNT (\*) AS total\_cars

**FROM CARS24** 

**GROUP BY year** 

**ORDER BY year;** 



➤ This query provides insights into the total number of cars manufactured per year.

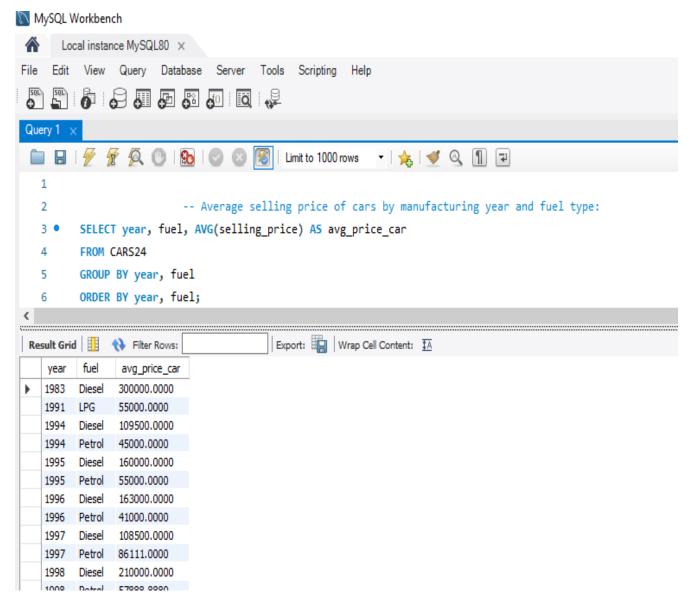
-- Average selling price of cars by manufacturing year and fuel type:

SELECT year, fuel, AVG(selling\_price) AS avg\_price\_car

**FROM CARS24** 

**GROUP BY year, fuel** 

**ORDER BY year, fuel;** 



> This query provides insights into the average selling prices of cars considering both fuel type and seller type.

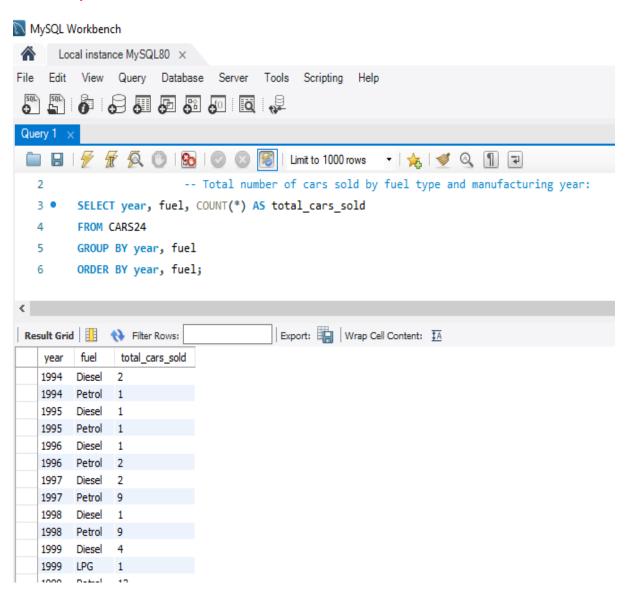
-- Total number of cars sold by fuel type and manufacturing year:

SELECT year, fuel, COUNT(\*) AS total\_cars\_sold

**FROM CARS24** 

**GROUP BY year, fuel** 

**ORDER BY year, fuel;** 



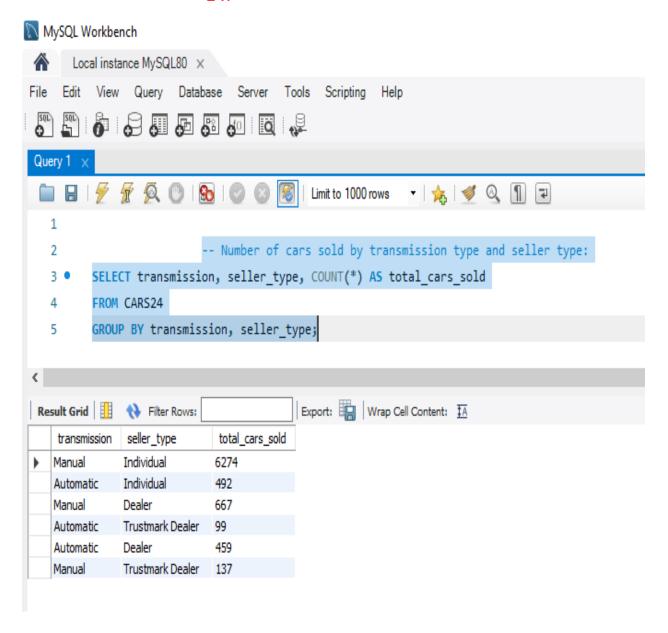
> This query gives a breakdown of the total number of cars sold by both fuel type and manufacturing year.

-- Number of cars sold by transmission type and seller type:

SELECT transmission, seller\_type, COUNT(\*) AS total\_cars\_sold

#### **FROM CARS24**

**GROUP BY transmission, seller\_type;** 



> This query gives insights into the distribution of car sales considering both transmission type and seller type.

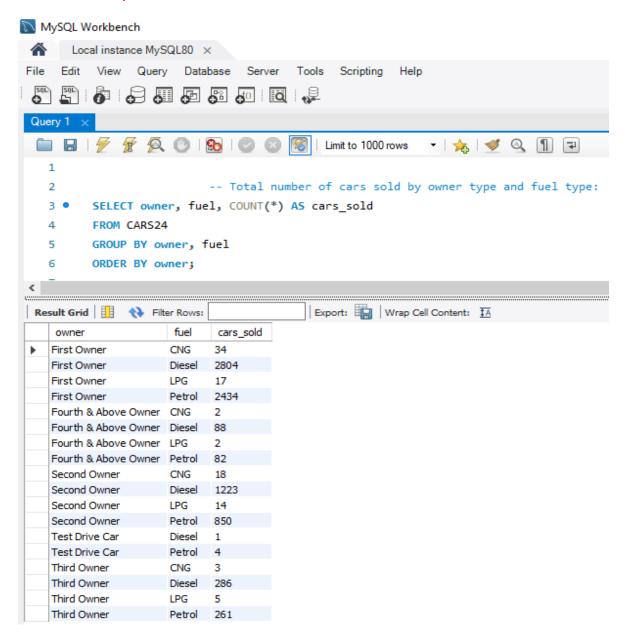
Total number of cars sold by owner type and fuel type:

SELECT owner, fuel, COUNT(\*) AS cars\_sold

**FROM CARS24** 

**GROUP BY owner, fuel** 

**ORDER BY owner;** 



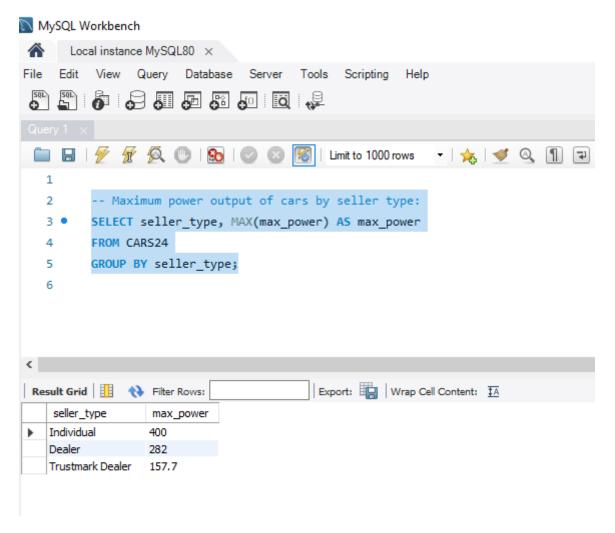
> This query gives a breakdown of the total number of cars sold by both owner type and fuel type.

-- Maximum power output of cars by seller type:

SELECT seller\_type, MAX (max\_power) AS max\_power

#### **FROM CARS24**

**GROUP BY seller\_type**;



> This query helps in understanding the maximum power output of cars sold by different types of sellers.

--Top 5 most common car models sold:

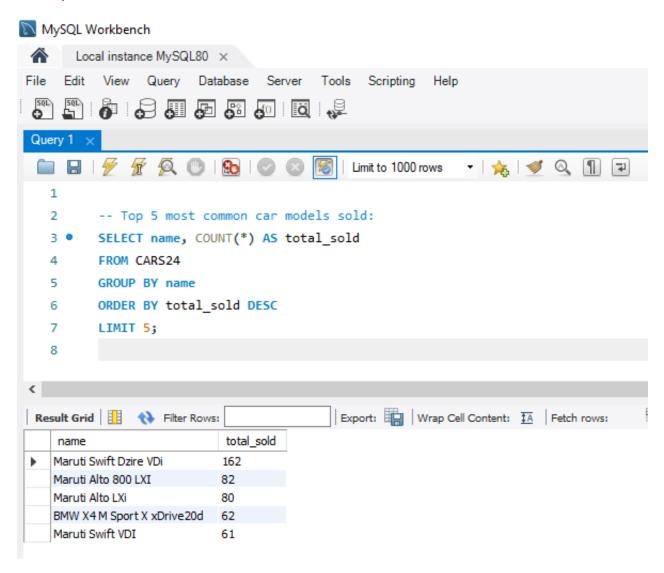
SELECT name, COUNT (\*) AS total\_sold

**FROM CARS24** 

**GROUP BY name** 

**ORDER BY total sold DESC** 

LIMIT 5;



> This query lists the top 5 most common car models sold based on the number of units.

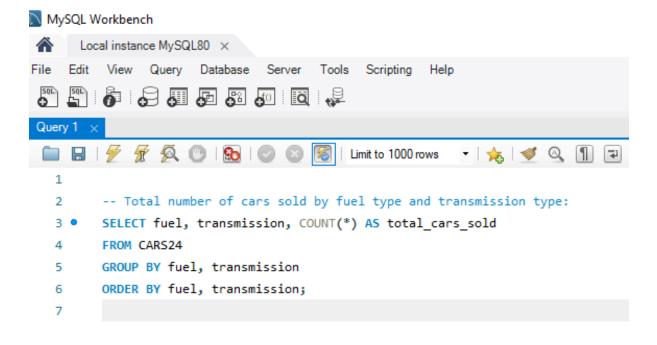
-- Total number of cars sold by fuel type and transmission type:

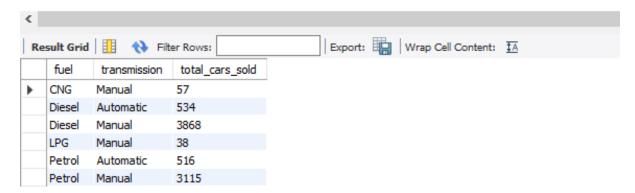
SELECT fuel, transmission, COUNT (\*) AS total\_cars\_sold

**FROM CARS24** 

**GROUP BY fuel, transmission** 

**ORDER BY fuel, transmission;** 





This query gives a breakdown of the total number of cars sold by both fuel type and transmission type.

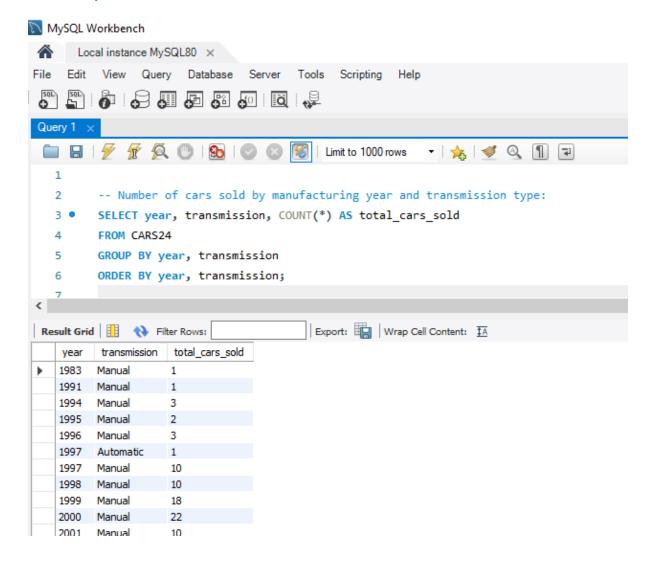
-- Number of cars sold by manufacturing year and transmission type:

SELECT year, transmission, COUNT(\*) AS total\_cars\_sold

**FROM CARS24** 

**GROUP BY year, transmission** 

**ORDER BY year, transmission;** 



This query provides insights into the distribution of car sales considering both manufacturing year and transmission type.