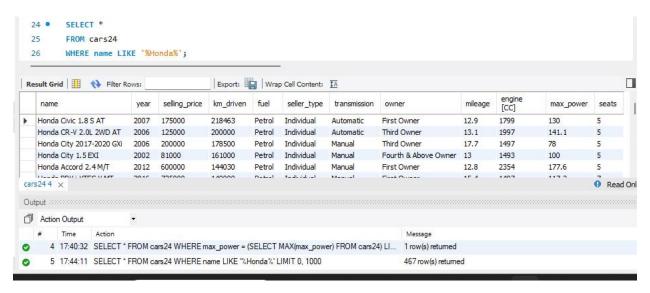
Project:1 SQL

1:This query is to find the details of specific brand of car honda.

SELECT *

FROM cars24

WHERE name LIKE '%Honda%'; -- and from the number of rows returned we can find number of honda cars.

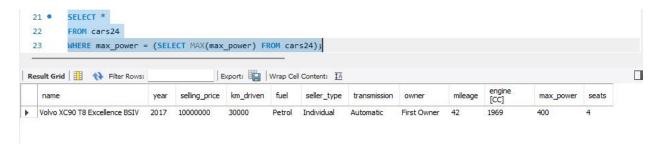


2: this query is to find which car has the maximum power

SELECT *

FROM cars24

WHERE max_power = (SELECT MAX(max_power) FROM cars24);

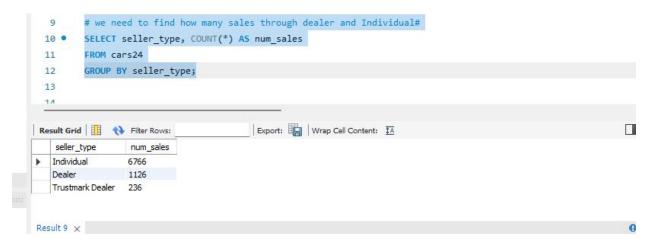


3: this query is to find how many different types of sellers and their sales

SELECT seller_type, COUNT(*) AS num_sales

FROM cars24

GROUP BY seller_type;

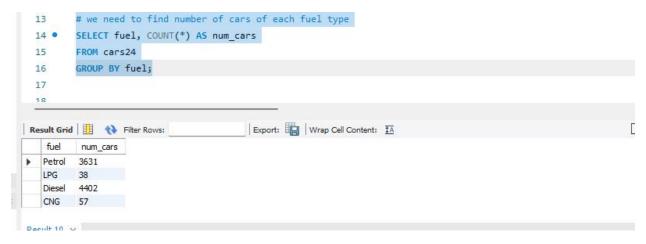


4:this query is to find how many cars are their in each fuel type

SELECT fuel_type, COUNT(*) AS num_cars

FROM cars24

GROUP BY fuel_type;



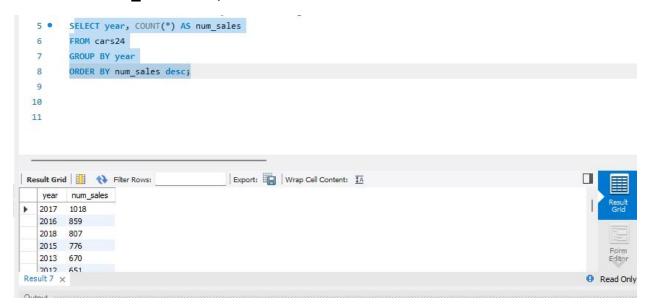
5:this query is to find number of sales in each year

SELECT year, COUNT(*) AS num_sales

FROM cars24

GROUP BY year

ORDER BY num_sales desc;



6:this query is to find how many new cars and how many used cars have been sold

SELECT

CASE

WHEN owner = 'First Owner' THEN 'New'

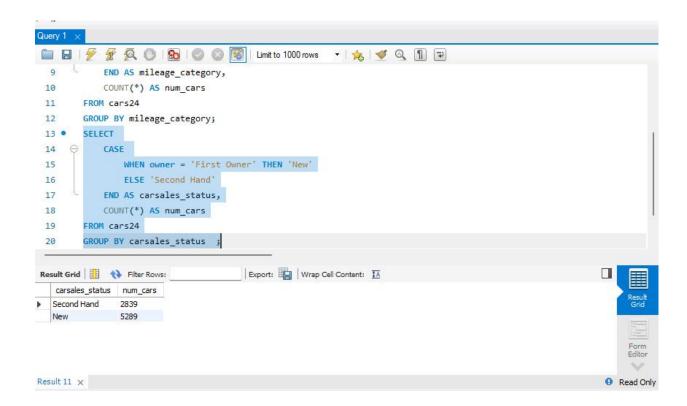
ELSE 'Second Hand'

END AS carsales_status,

COUNT(*) AS num_cars

FROM cars24

GROUP BY carsales_status;



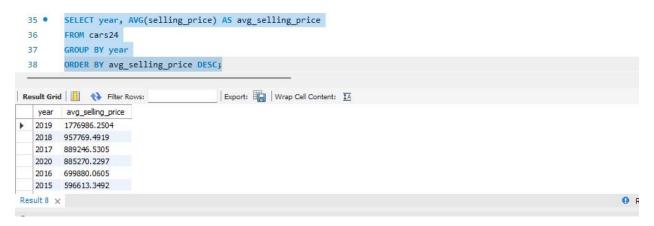
7:this query average sellingprice per year

SELECT year, AVG(selling_price) AS avg_selling_price

FROM cars24

GROUP BY year

ORDER BY avg_selling_price DESC;



8:this query is to find how many new cars are sold per year

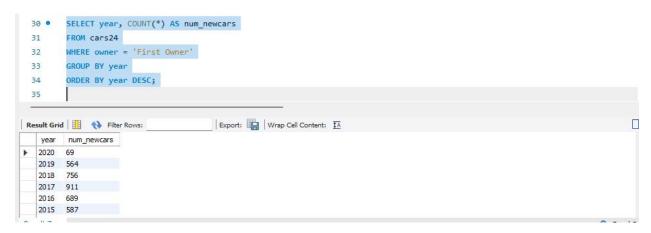
SELECT year, COUNT(*) AS num_newcars

FROM cars24

WHERE owner = 'First Owner'

GROUP BY year

ORDER BY year DESC;

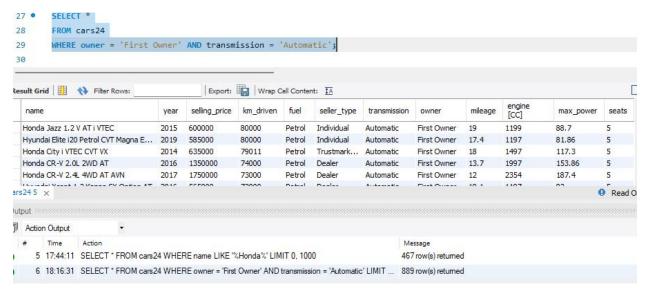


9:this query is to find the list of automatic new cars

SELECT *

FROM cars24

WHERE owner = 'First Owner' AND transmission = 'Automatic';



10:this query is to find how many cars are in different mileage categories select * from cars24;

SELECT

CASE

WHEN mileage >= 16 THEN 'High Mileage'
WHEN mileage > 11 THEN 'Normal Mileage'
WHEN mileage <= 11 THEN 'Low Mileage'
ELSE 'Unknown' -- Handle NULL values
END AS mileage category,

FROM cars24

GROUP BY mileage_category;

COUNT(*) AS num_cars

