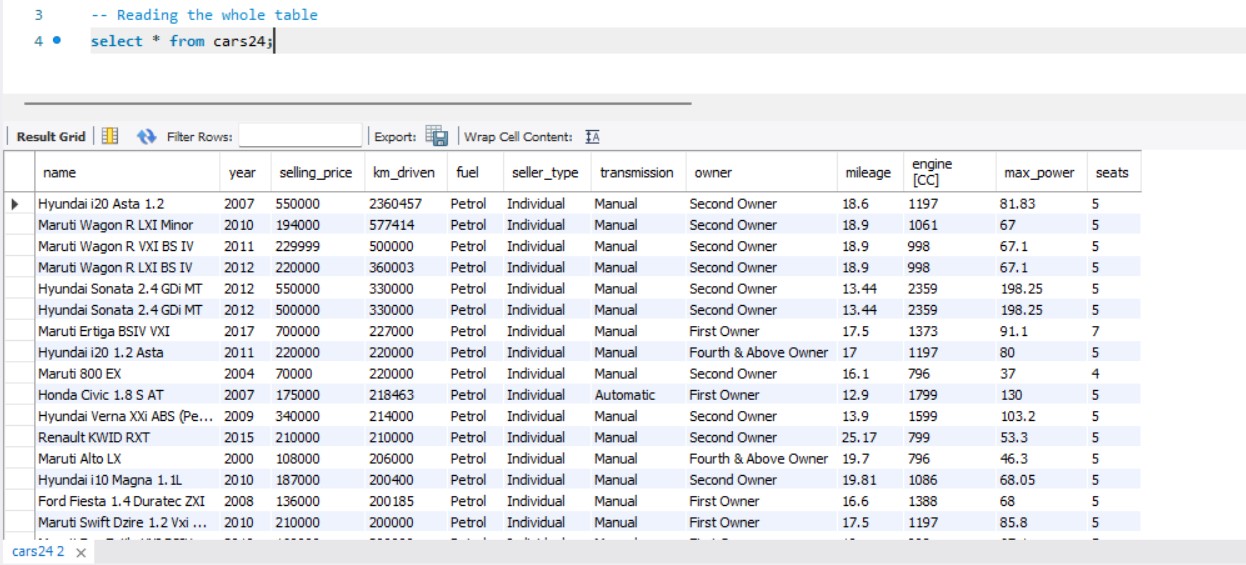
**Data Analytics SQL Mini Project -L1**

I created a new database called "kp" and I'm using it for this project.

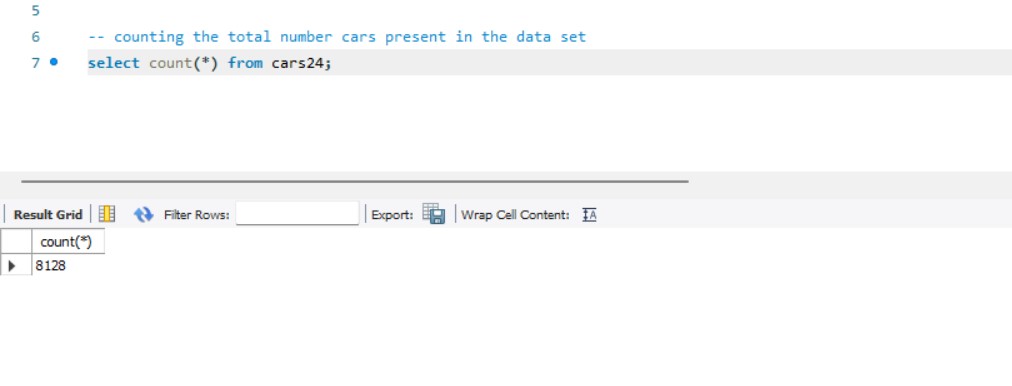
– *create database kp* – *use* ***kp****;*

Insight number 1 -- Reading the whole table select \* from cars24

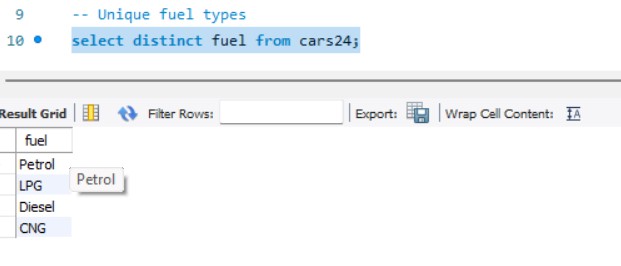


# Insight number 2 -

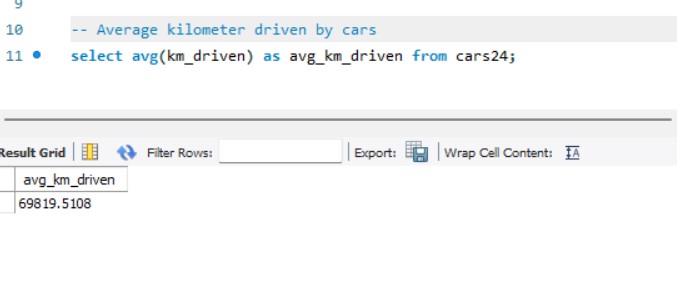
-- counting the total number cars present in the data set select count(\*) from cars24



Insight number 3 -- unique fuel types in this table select distinct fuel from cars24;



Insight number 4 -- Average kilometer driven by cars select avg(km\_driven) as avg\_km\_driven from cars24;

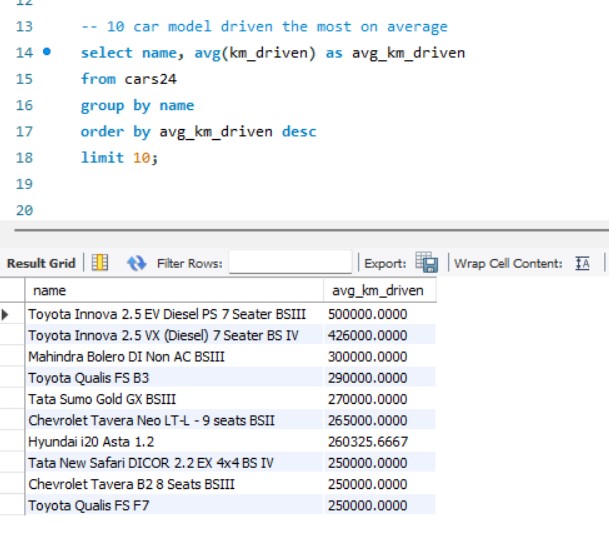


# Insight number 5 -

-- 10 car model driven the most on average

select name, avg(km\_driven) as avg\_km\_driven from cars24 group by name order by avg\_km\_driven desc

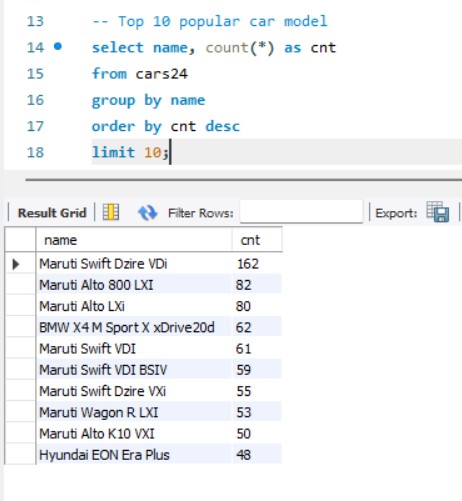
limit 10;



Insight number 6 -- Top 10 popular car model

select name, count(\*) as cnt from cars24 group by name

order by cnt desc, limit 10;

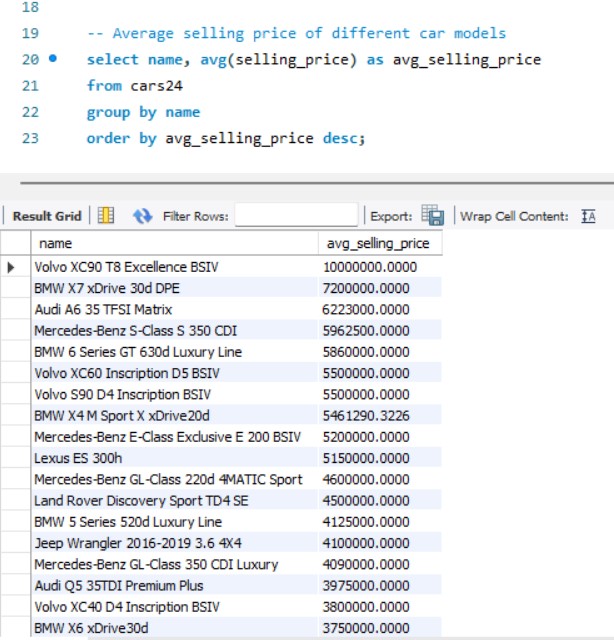


# Insight number 7 -

-- Average selling price of different car models

select name, avg(selling\_price) as avg\_selling\_price from cars24 group by name

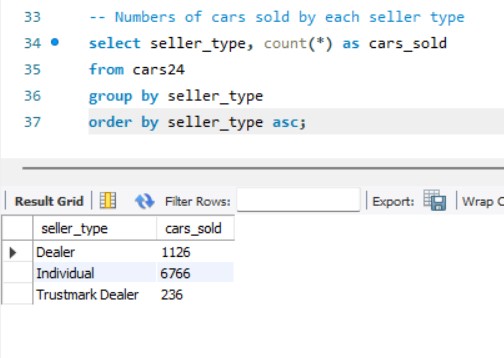
order by avg\_selling\_price desc;



# Insight number 8 -

-- Numbers of cars sold by each seller type

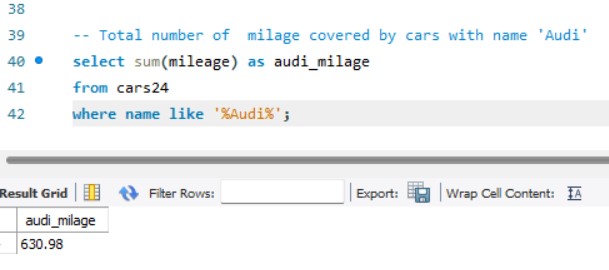
select seller\_type, count(\*) as cars\_sold from cars24 group by seller\_type order by seller\_type asc;



# Insight number 9 -

-- Total number of milage covered by cars with name 'Audi'

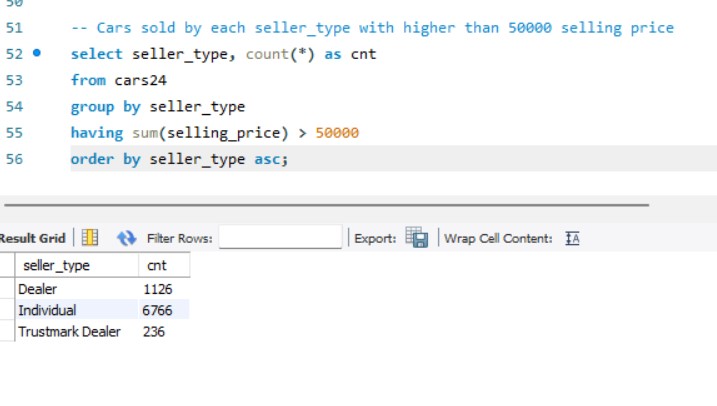
select sum(mileage) as audi\_milage from cars24 where name like '%Audi%';



# Insight number 10 -

-- Cars sold by each seller\_type with higher than 50000 selling price

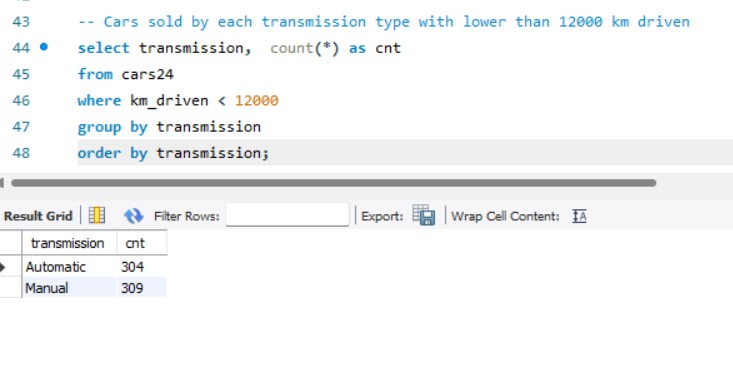
select seller\_type, count(\*) as cnt from cars24 group by seller\_type having sum(selling\_price) > 50000 order by seller\_type asc;



# Insight number 11 -

-- Cars sold by each transmission type with lower than 12000 km driven

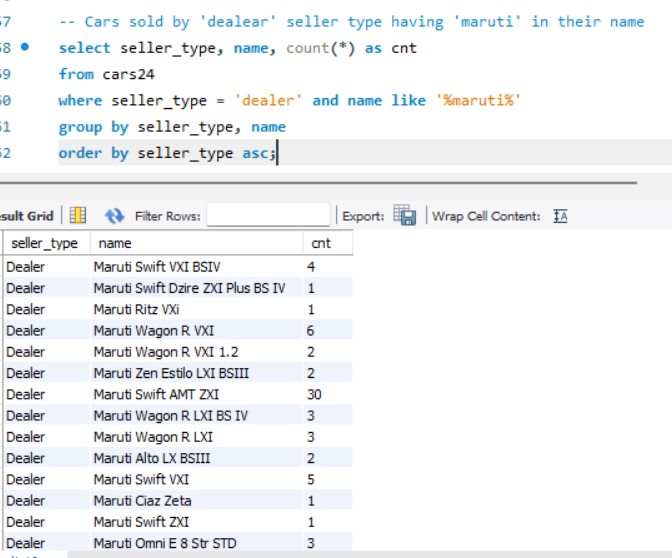
select transmission, count(\*) as cnt from cars24 where km\_driven < 12000 group by transmission order by transmission;



# Insight number 12 -

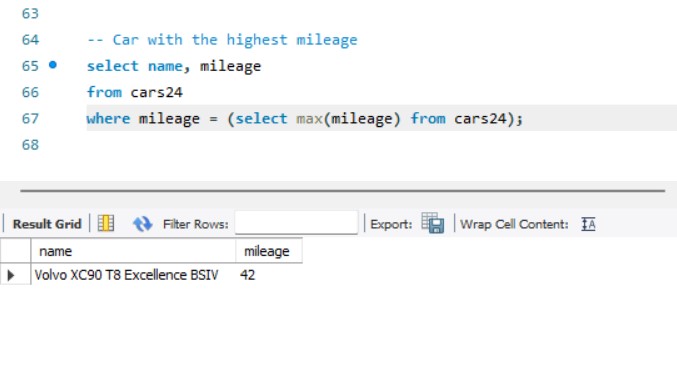
- Cars sold by 'dealear' seller type having 'maruti' in their name

select seller\_type, name, count(\*) as cnt from cars24 where seller\_type = 'dealer' and name like '%maruti%' group by seller\_type, name order by seller\_type asc;



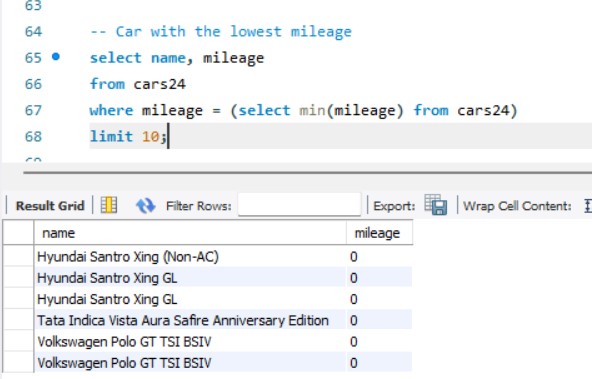
Insight number 13 -- Car with the highest mileage

select name, mileage from cars24 where mileage = (select max(mileage) from cars24);



Insight number 14 -- Car with the lowest mileage

select name, mileage from cars24 where mileage = (select min(mileage) from cars24) limit 10;

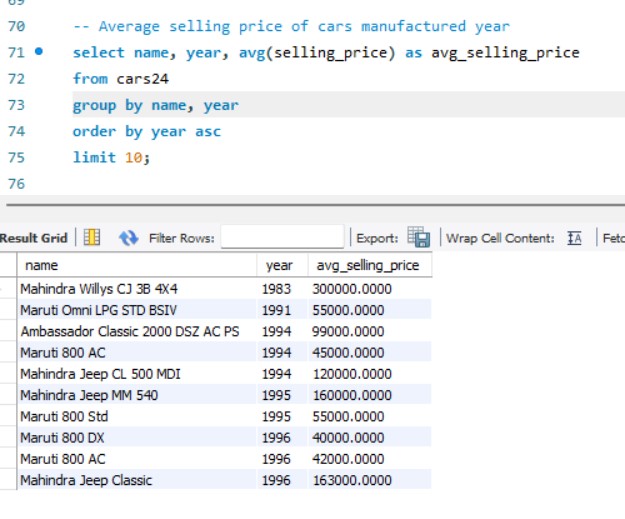


# Insight number 15 -

-- Average selling price of cars manufactured year

select name, year, avg(selling\_price) as avg\_selling\_price from cars24 group by name, year order by year asc

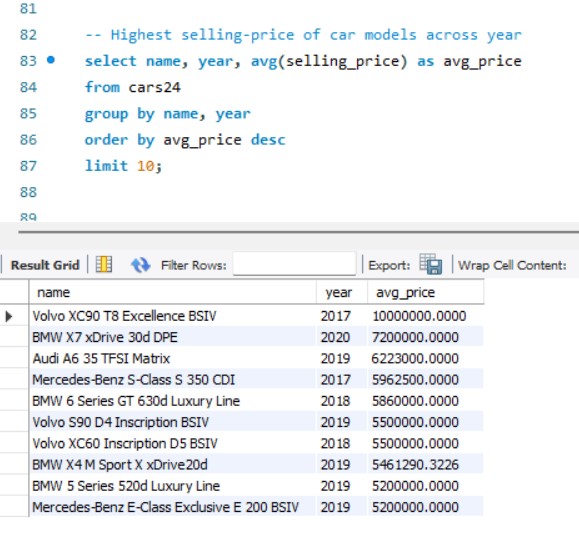
# limit 10;



## Insight number 16 -

-- Highest selling-price of car models across year

select name, year, avg(selling\_price) as avg\_price from cars24 group by name, year order by avg\_price desc limit 10;

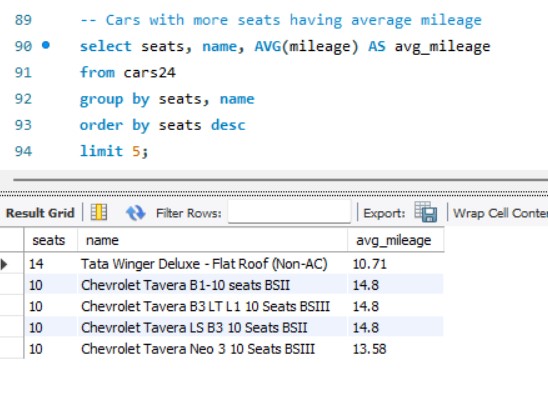


## Insight number 17 -

-- Cars with more seats having average mileage

select seats, name, avg(mileage) as avg\_mileage from cars24 group by seats, name order by seats desc

# limit 5;

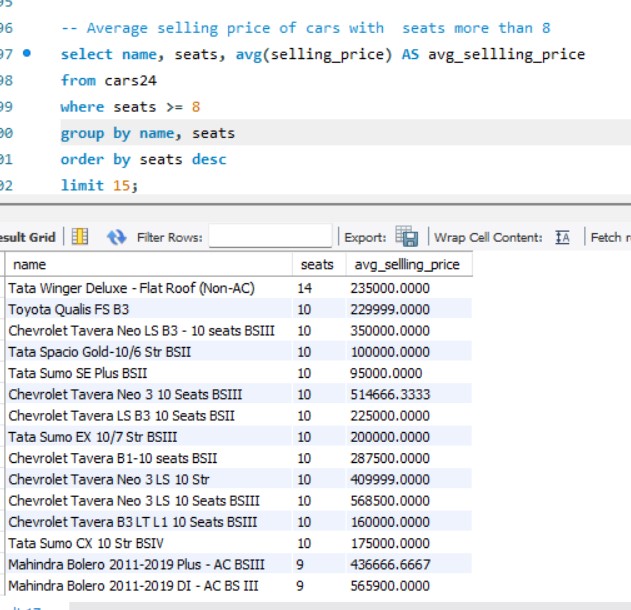


## Insight number 18 -

-- Average selling price of cars with seats more than 8

select name, seats, avg(selling\_price) as avg\_sellling\_price from cars24 where seats >= 8 group by name, seats order by seats desc

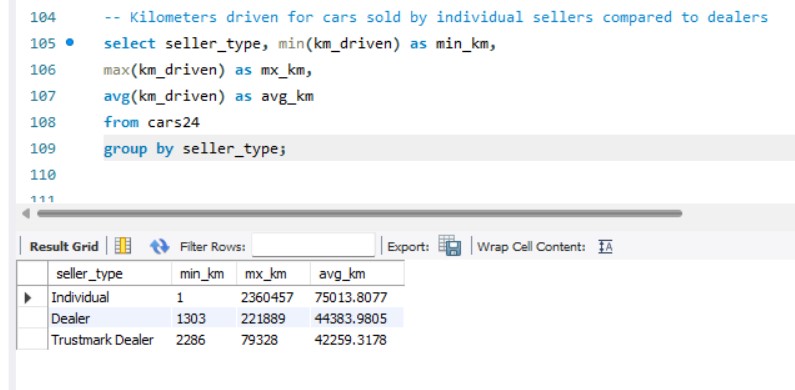
# limit 15;



## Insight number 19 -

-- Kilometers driven for cars sold by individual sellers compared to dealers

select seller\_type, min(km\_driven) as min\_km, max(km\_driven) as mx\_km, avg(km\_driven) as avg\_km from cars24 group by seller\_type order by seller\_type asc;



## Insight number 20 -

-- car models with consistently low mileage across different years

select name, year, mileage from cars24 where mileage < (select avg(mileage)from cars24) order by name, year

# limit 10;

