Cars24

Insight number 1 -

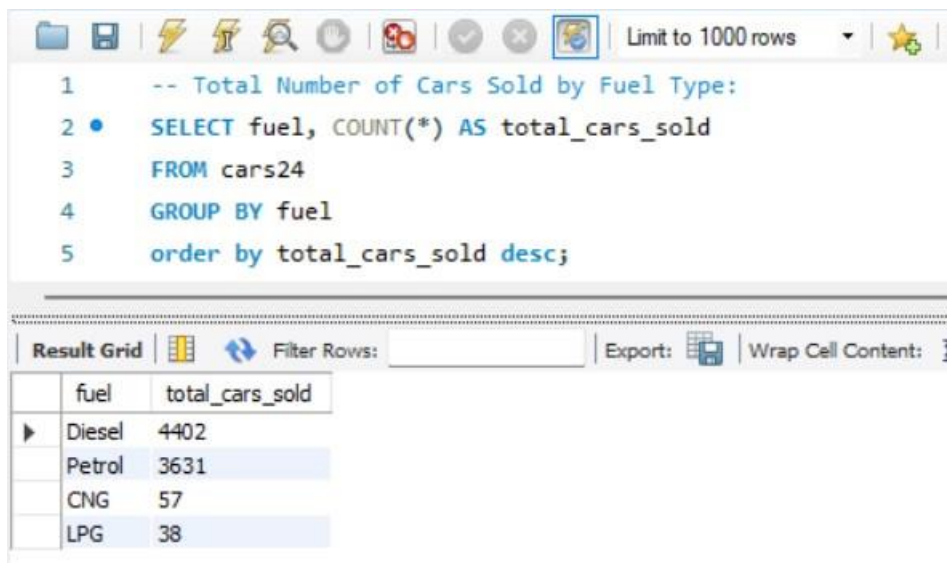**-- To find the total Number of Cars Sold by each Fuel Type:**

SELECT fuel, COUNT(*) AS total_cars_sold

FROM cars24

GROUP BY fuel

order by total_cars_sold desc;

Insight number 2 –

--- Print the name of the cars whose selling price greater than 100000 and mileage greater than 15 in ascending order of name

select name, selling_price, mileage from cars24

where selling_price > 100000 and mileage > 15

order by name asc;

```
 8      --- print the name of the cars whose selling price greater than 100000 and mileage > than 15 in ascending order of name
 9  ●    select name, selling_price, mileage from cars24
10       where selling_price > 100000 and mileage > 15
11       order by name asc;
12
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name	selling_price	mileage
Ashok Leyland Stile LE	300000	20.07
Audi A3 35 TDI Premium Plus	2600000	20.38
Audi A3 35 TDI Premium Plus	3000000	20.38
Audi A3 40 TFSI Premium	1689999	16.6
Audi A4 2.0 TDI	1500000	16.55
Audi A4 2.0 TDI	1600000	16.55
Audi A4 2.0 TDI 177 Bhp Premium Plus	1200000	17.11
Audi A4 35 TDI Premium Plus	2450000	18.25
Audi A4 35 TDI Premium Plus	2900000	18.25
Audi A4 35 TDI Premium Plus	1750000	18.25

Insight number 3 –

-- To find the average kilometers driven by transmission type for km driven more than 50000:

SELECT transmission, AVG(km_driven) AS avg_km_driven

FROM cars24

WHERE name IN (

   SELECT name

   FROM cars24

   WHERE km_driven > 50000

)

GROUP BY transmission;

```
26       -- To find the average kilometers driven by transmission Type for km driven more than 50000:
27  ●    SELECT transmission, AVG(km_driven) AS avg_km_driven
28       FROM cars24
29  ⊖  WHERE name IN (
30           SELECT name
31           FROM cars24
32           WHERE km_driven > 50000
33       )
34       GROUP BY transmission;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

transmission	avg_km_driven
Manual	80611.9357
Automatic	71212.6033

Insight number 4 –

-- To find the top 10 cars with highest Power Output

SELECT name, max_power

FROM cars24

ORDER BY max_power DESC

LIMIT 10;

```
39        -- To find the top 10 cars with highest Power Output:
40  •     SELECT name, max_power
41        FROM cars24
42        ORDER BY max_power DESC
43        LIMIT 10;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⫶A | F

name	max_power
Mercedes-Benz S-Class S 350 CDI	282
Jeep Wrangler 2016-2019 3.6 4X4	280
Jeep Wrangler 2016-2019 3.6 4X4	280
Jeep Wrangler 2016-2019 3.6 4X4	280
Jeep Wrangler 2016-2019 3.6 4X4	280
Jeep Wrangler 2016-2019 3.6 4X4	280
Jeep Wrangler 2016-2019 3.6 4X4	280
Mercedes-Benz E-Class E350 Petrol	272
Jaguar XF 3.0 Litre S Premium Luxury	270.9

Insight number 5 –

-- To find the average mileage of car by each transmission type

SELECT transmission, AVG(mileage) AS avg_mileage

FROM cars24

GROUP BY transmission;

```
46        -- to find the average mileage of car by each transmission Type:
47  •     SELECT transmission, AVG(mileage) AS avg_mileage
48        FROM cars24
49        GROUP BY transmission;
50
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⫶A

transmission	avg_mileage
Manual	19.691200904210397
Automatic	17.580580952380835

Insight number 6 –

-- To find the total cars for each seller types

SELECT seller_type, COUNT(*) AS total_cars

FROM cars24

GROUP BY seller_type;

```
53        -- to find the total cars for each Seller Types:
54  •     SELECT seller_type, COUNT(*) AS total_cars
55        FROM cars24
56        GROUP BY seller_type;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

seller_type	total_cars
Individual	6766
Dealer	1126
Trustmark Dealer	236

Insight number 7 –

-- To find the average kilometers driven by each owner type:

SELECT owner, AVG(km_driven) AS avg

FROM cars24

GROUP BY owner;

```
59
60        -- to find the average kilometers driven by  each Owner Type:
61  •     SELECT owner, AVG(km_driven) AS avg
62        FROM cars24
63        GROUP BY owner;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

owner	avg
Second Owner	89861.5325
First Owner	57508.8000
Fourth & Above Owner	106116.6379
Third Owner	100239.5730
Test Drive Car	14631.4000

Insight number 8 –

-- To find the total number of cars sold for each fuel type:

SELECT fuel, COUNT(*) AS total_cars_sold

FROM cars24

GROUP BY fuel;

```
68        -- To find the total number of cars sold for each fuel type:
69 •      SELECT fuel, COUNT(*) AS total_cars_sold
70        FROM cars24
71        GROUP BY fuel;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

fuel	total_cars_sold
Petrol	3631
LPG	38
Diesel	4402
CNG	57

Insight number 9 –

-- To get the list of cars sold in year 2017 in ascending order of name.

select name, year from cars24

where year = 2017

order by name asc;

```
76        -- To get the list of cars sold in year 2017 in ascending order of name.
77 •      select name, year from cars24
78        where year = 2017
79        order by name asc;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA | Fetch rows:

name	year
Audi A3 35 TDI Premium Plus	2017
Audi A3 40 TFSI Premium	2017
Audi Q3 2.0 TDI Quattro Premium Plus	2017
Audi Q3 2.0 TDI Quattro Premium Plus	2017
BMW 3 Series 320d	2017
BMW 3 Series 320d GT Luxury Line	2017
BMW 3 Series 320d GT Luxury Line	2017
BMW 3 Series 320d Luxury Line Plus	2017
BMW 3 Series 320d Luxury Line Plus	2017
BMW X1 sDrive 20D xl ine	2017

Insight number 10 –

-- Print name, year, mileage which fall under the transmission automatic in descending order of mileage.

select name, year, mileage from cars24

where transmission = 'automatic'

order by mileage desc;

```
83      -- print name, year, mileage which fall under the transmission automatic in descending order of mileage.
84 •    select name, year, mileage from cars24
85      where transmission = 'automatic'
86      order by mileage desc;
```

name	year	mileage
Volvo XC90 T8 Excellence BSIV	2017	42
Maruti Swift AMT ZDI	2018	28.4
Maruti Swift Dzire AMT ZDI	2017	28.4
Maruti Swift Dzire AMT ZDI Plus	2018	28.4
Maruti Swift Dzire AMT ZDI Plus	2018	28.4
Maruti Swift AMT ZDI	2019	28.4
Maruti Swift Dzire AMT ZDI Plus	2017	28.4
Maruti Swift Dzire AMT ZDI Plus	2018	28.4
Maruti Swift Dzire AMT VDI	2017	28.4
Maruti Swift AMT VDI	2018	28.4

Insight number 11 –

-- Print the name and fuel whose name ends with vowel in ascending order of fuel type.

select name, fuel from cars24

where name like '%a' or name like '%e' or name like '%i' or name like '%o' or name like '%u'

order by fuel asc;

```
90      -- print the name and fuel whose name ends with vowel in ascending order of fuel type.
91 •    select name, fuel from cars24
92      where name like '%a' or name like '%e' or name like '%i' or name like '%o' or name like '%u'
93      order by fuel asc;
```

name	fuel
Maruti Alto 800 CNG LXI	CNG
Maruti Alto 800 CNG LXI	CNG
Maruti Alto 800 CNG LXI	CNG
Maruti Wagon R CNG LXI	CNG
Hyundai i20 Asta Option 1.4 CRDi	Diesel
Mahindra Bolero 2011-2019 SLX 2WD BSIII	Diesel
Skoda Fabia 1.2L Diesel Elegance	Diesel
Hyundai Accent VIVA CRDi	Diesel
Maruti Swift Dzire VDI	Diesel
Hyundai Verna 1.6 CRDI	Diesel

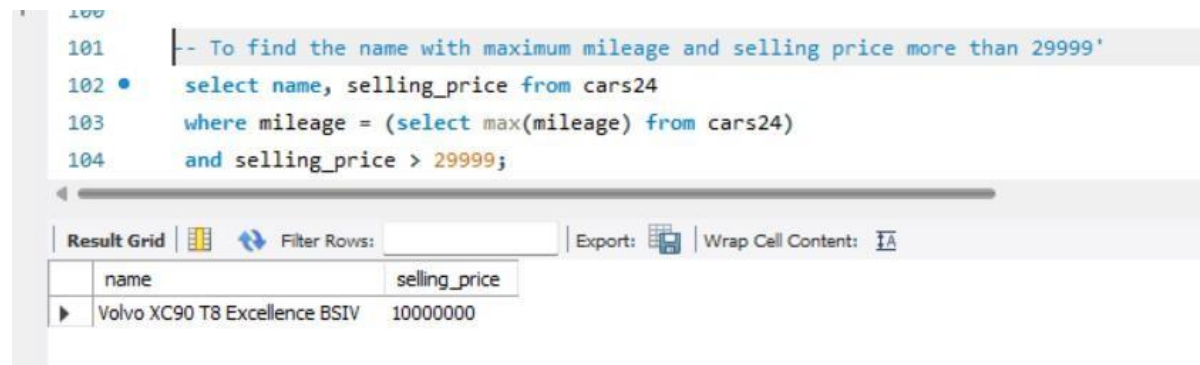# Insight number 12 –

-- To find the name with maximum mileage and selling price more than 29999

select name, selling_price from cars24

where mileage = (select max(mileage) from cars24)

and selling_price > 29999;