

Project Summary

Leading the entire	Maruti Wagon R LXI E Hyundai Sonata 2.4 G Hyundai Sonata 2.4 G Maruti Ertiga BSIV VXI Hyundai i20 1.2 Astra Maruti 800 EX Honda Civic 1.8 S AT Hyundai Verna XXI AB Renault KWID RXT
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	Car Model	Year	KM Driven	Fuel Type	Owner Type	Transmission Type	Second Owner	Mileage (Km)	Price (INR)	Rating (Km)
	Maruti Wagon R LX	2006	65000	Petrol	Individual	Manual	Second Owner	18.9	998	67.1
	Maruti Alto LXI BSIII	2008	100000	Petrol	Individual	Manual	Second Owner	19.7	796	46.3
	Hyundai Santro Xing GLS	2008	120000	Petrol	Individual	Manual	First Owner	17.92	1086	62.1
	Hundai Santro AT	2005	120000	Petrol	Individual	Automatic	Second Owner	19.41	1458	91.5

Counting the total number of cars present in the data set for selling

oles. The alias
ery. Here, we have

tata brand

Group by name
Order by no_of_cars
Limit 10;

The top 10 highest selling Tata cars are displayed in the output. Operator is used in WHERE clause to search for a specific pattern in a column. Here Using Like we will fetch all the cars containing T in their names.

```
66      Group by name
67      Order by no_of_cars Desc
68      Limit 10;

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


| name                            | No_of_cars |
|---------------------------------|------------|
| Tata Tiago 1.2 Revotron XZ      | 20         |
| Tata Zest Revotron 1.2 XT       | 13         |
| Tata Tiago 1.2 Revotron XT      | 10         |
| Tata Nexon 1.2 Revotron XM      | 8          |
| Tata Nexon 1.2 Revotron XZ Plus | 6          |
| Tata Nano Cx                    | 6          |
| Tata Tigor 1.2 Revotron XT      | 6          |
| Tata Indica GLS BS IV           | 5          |
| Tata Zest Revotron 1.2T XMS     | 5          |
| Tata Tiago 1.2 Revotron XE      | 5          |



47      -- Counting the total number of cars having their brand as maruti
48 •  Select Count(*) As Total_maruti_cars From
49      (Select name from cars24
50      Where name like "Maruti%") a;
```

counted the rows meeting the above criteria. 'Like' Operator is used in WHERE clause to search for a specific pattern in a column. Here in the above query the column having Maruti in their names will be displayed.

- Counting the total number of Petrol, Diesel, CNG, and LPG Fuel type cars sold

```
Select fuel, Count(*) AS Number_of_cars from cars24  
Group by fuel;
```

Here, we are trying to find the number of cars belonging to each fuel type category by using 'Group by' clause. Group by is used to group identical data into groups.

- Counting total number of Manual and Automatic cars

```
15      -- Counting total number of Petrol, Disel, CNG and LPG Fuel type cars sold
16 •  Select fuel, Count(*) AS Number_of_cars from cars24
17  Group by fuel;
```

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

fuel	Number_of_cars
Petrol	3631
LPG	38
Diesel	4402
CNG	57

Using Count clause and group by clause to count number of cases.

Group by is used to group identical data into groups.

Select owner, Count(*) from cars24
Group by owner
Order by 2 desc;

Using Count, group by, and Order by clause to count the number of cars based on their owner type. 'Order By' clause is used to sort the column in ascending/Descending order.

```
Select year, Count(*) AS Number_of_cars from cars24  
Group by year  
Order by year desc;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
owner	Count(*)			
First Owner	5289			
Second Owner	2105			
Third Owner	555			
Fourth & Above Owner	174			
Test Drive Car	5			

```
Select seller_type, Count(*) AS  
Number_of_cars from cars24  
Group by seller_type;
```

```
Select name, year, selling_price from cars24  
Order by selling_price;
```

```
24 -- Counting total number of cars sold each year based on their fuel type and transmission,
25 -- Ordering table from recent years
26 • Select year, fuel, transmission, Count(*) from cars24
27 Group by 1,2,3
28 Order by 1 desc;
```

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

year	fuel	transmission	Count(*)
2020	CNG	Manual	3
2020	Diesel	Automatic	7
2020	Diesel	Manual	13
2020	Petrol	Automatic	9
2020	Petrol	Manual	42

Arranging the car on the basis of km driven
ordering from least to most distance driven

```
Select name, year, selling_price, km_driven  
from cars24  
Order by km_driven;
```

- **Identifying the car with best mileage**

```
Select name, year, mileage from cars24  
Order by mileage desc
```

Year	Fuel	Transmission	Nr.
2020	Fuel	Manual	12
2019	CNG	Manual	7
2019	Diesel	Automatic	116
2019	Diesel	Manual	108
2019	Petrol	Automatic	161
2019	Petrol	Manual	191
2018	CNG	Manual	5
2018	Diesel	Automatic	90
2018	Diesel	Manual	318
2018	Petrol	Automatic	92

- Identifying 5 or 7 seater cars with mileage greater than 22 and selling price ranging

```
Select name, selling_price, mileage, seats  
from cars24  
Where(seats = 5 or seats = 7) And (Mileage >  
22)  
AND (selling price Between 450000 AND 500000)
```

```
30      -- Counting total number of cars sold by each seller type
31 •  Select seller_type, Count(*)AS Number_of_cars from cars24
32      Group by seller_type;
```

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

	seller_type	Number_of_cars
▶	Individual	6766
	Dealer	1126
	Trustmark Dealer	236

Useful

2. **Volvo XC90 T8 Excellence BSIV** is having the **best mileage** (Fuel efficiency)
 3. There are a total of **2448** cars from **Maruti**, **1415** cars from **Hyundai**, **772** cars from **Mahindra**, **734** cars from **Tata**, **467** cars from **Honda**, **397** cars From **Ford**, **228** cars from **Renault**, **67** cars from **Volvo**, and **4** From **Ambassador**.