



# Car Sales

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# INTRODUCTION

The SQL car dataset is a collection of data about cars that has been organized into a relational database. It is designed to help users analyze and manipulate data related to various attributes of cars such as year, km, price. The car dataset can be used by individuals or organizations that are interested in studying the trends and patterns in the automobile industry.

# Column Details

- Manufacturer
- Model text
- Sales in thousands double
- Year resale value double
- Vehicle type text
- Price in thousands text
- Engine size double
- Horsepower int
- Wheelbase double
- Width double
- Length double
- Curb weight double
- Fuel capacity double
- Fuel efficiency int
- Latest Launch text
- Power perf factor

# Query 01: Fetching Manufacturer from car\_sales

Solution:

```
5  /* 01 fetching Manufacturer from car_sales */
6  •  select distinct Manufacturer from car_sales;
7
```




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

Manufacturer
BMW
Buick
Cadillac
Chevrolet
Chrysler
Dodge
Ford
Honda
Hyundai
Infiniti
Jeep
Lexus
Lincoln
Mitsubishi
Mercury
Mercedes-B
Nissan
Oldsmobile
Plymouth
Pontiac

# Query 02: Fetching all 'Mitsubishi' Model from car\_sales

Solution:

```
8  /* 02 fetching all 'Mitsubishi' Model from car_sales */
9  • select Model,Manufacturer from car_sales where Manufacturer='Mitsubishi';
--
```

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






	Model	Manufacturer
▶	Mirage	Mitsubishi
	Eclipse	Mitsubishi
	Galant	Mitsubishi
	Diamante	Mitsubishi
	3000GT	Mitsubishi
	Montero	Mitsubishi
	Montero Sport	Mitsubishi

# Query 03:

## Which model have more resale value from car\_sales

Solution:

```
11      /* 03 which model have more resale value */  
12 •    select Model ,`__year_resale_value` from car_sales order by `__year_resale_value` desc limit 1;  
--
```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 	Fetch rows: 
	Model	__year_resale_value				
▶	Carrera Cabrio	67.55				

# Query 04:

## Which manufacturer model have more horsepower

Solution:

```
14  /* 04 which manufacturer model have more horsepower */  
15  •  select Model,Manufacturer from car_sales where Manufacturer='Porsche' order by Horsepower desc limit 2;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	Model	Manufacturer		
▶	Carrera Coupe	Porsche		
	Carrera Cabrio	Porsche		

# Query 05:

## Which passenger model have least price

Solution:

```
17  /* 05 Which passenger model have least price */  
18  select Manufacturer, Model, Price_in_thousands, Vehicle_type from car_sales where Vehicle_type='Passenger' order by Price_in_thousands asc limit 2 ;  
..
```

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

	Manufacturer	Model	Price_in_thousands	Vehicle_type
▶	Acura	CL		Passenger
	Saturn	SL	10.685	Passenger



# Query 06:

## Select latest launched passenger model

Solution:

```
20 / 00 select latest launched passenger model /
```

```
21 • select * from car_sales where Vehicle_type='passenger' and Latest_Launch between '12/29/2012' and '12/31/2012' ;
```

```
--
```

Result Grid  Filter Rows:  Export:  Wrap Cell Content: 

	Manufacturer	Model	Sales_in_thousands	__year_resale_value	Vehicle_type	Price_in_thousands	Engine_size	Horsepower	Wheelbase	Width	Length	Curb_weight	Fuel_capacity	Fuel_efficiency	Latest_Launch	Power_per
▶	Toyota	Celica	33.269	15.445	Passenger	16.875	1.8	140	102.4	68.3	170.5	2.425	14.5	31	12/29/2012	56.4960303

# Query 07:

## Fetching the model, engine size, wheelbase and fuel capacity of model jeep with horsepower above 150

Solution:

```
23  /* 07 Fetching the model,engine size,wheelbase and fuel capacity of model jeep with horsepower above 150*/  
24  select Model,Engine_size,Wheelbase,Fuel_capacity from car_sales where Horsepower>150 and Manufacturer like '%Jeep%';  
--
```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	Model	Engine_size	Wheelbase	Fuel_capacity
►	Cherokee	4	101.4	20
	Grand Cherokee	4	105.9	20.5

# Query 08:

## Return the top 10 car models with the highest sales in thousands

Solution:

```
26  /* 08 Return the top 10 car models with the highest sales in thousands */  
27  •  SELECT model, sales_in_thousands FROM car_sales ORDER BY sales_in_thousands DESC LIMIT 10;  
--
```

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

	model	sales_in_thousands
▶	F-Series	540.561
	Explorer	276.747
	Camry	247.994
	Taurus	245.815
	Accord	230.902
	Ram Pickup	227.061
	Ranger	220.65
	Civic	199.685
	Caravan	181.749
	Grand Cherokee	157.04

# Query 09:

## Return the top 10 car models with the highest fuel efficiency

Solution:

```
29  /* 09 Return the top 10 car models with the highest fuel efficiency: */
30  •  SELECT model, fuel_efficiency FROM car_sales WHERE vehicle_type = 'car' ORDER BY fuel_efficiency DESC LIMIT 10;
```

	model	fuel_efficiency
▶	RAV4	27
	Caravan	24
	CR-V	24
	Voyager	24
	Ranger	23
	Odyssey	23
	Tacoma	23
	4Runner	23
	Silhouette	22
	Windstar	21

# Query 10:

## Return the top 5 car models with the Fuel capacity

Solution:

```
32  /* 10 Return the top 5 car models with the Fuel_capacity*/  
33  •  SELECT model, Fuel_capacity FROM car_sales WHERE vehicle_type = 'car' ORDER BY Fuel_capacity DESC LIMIT 5;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
model	Fuel_capacity			
▶ Ram Wagon	32			
Ram Van	32			
Ram Pickup	26			
Windstar	26			
Expedition	26			



**Thank You**