



Future  
Connect  
Media



---

Part of **Future Connect Media's**  
IT Course

By **Abdullah Hashmi**



# Topics to be covered:



**SQL Project : Second Hand Car Dealer**

# Project Requirements

---

## Project Name: Second Hand Car Dealer

Requirements are mentioned below.

- 1) Read Cars Data
- 2) Total Cars: To get a count of total records.
- 3) The Client asked me to show, how many cars will be available in 2023?
- 4) The Client asked me to show, how many cars is available in 2020,2021,2022?
- 5) Client asked me to print the totals of all cars by year. I don't see all the details.
- 6) Client asked to car dealer agent, how many diesel cars will there be in 2020?
- 7) How many petrol cars will be there in 2020?
- 8) Give a print of all the fuels cars (petrol, diesel, and CNG) come by all years?
- 9) Were more than 100 cars in a given year, which year had more than 100 cars?
- 10) Count All cars details between 2015 and 2023 need a complete list?
- 11) All cars details between 2015 to 2023, need complete list?

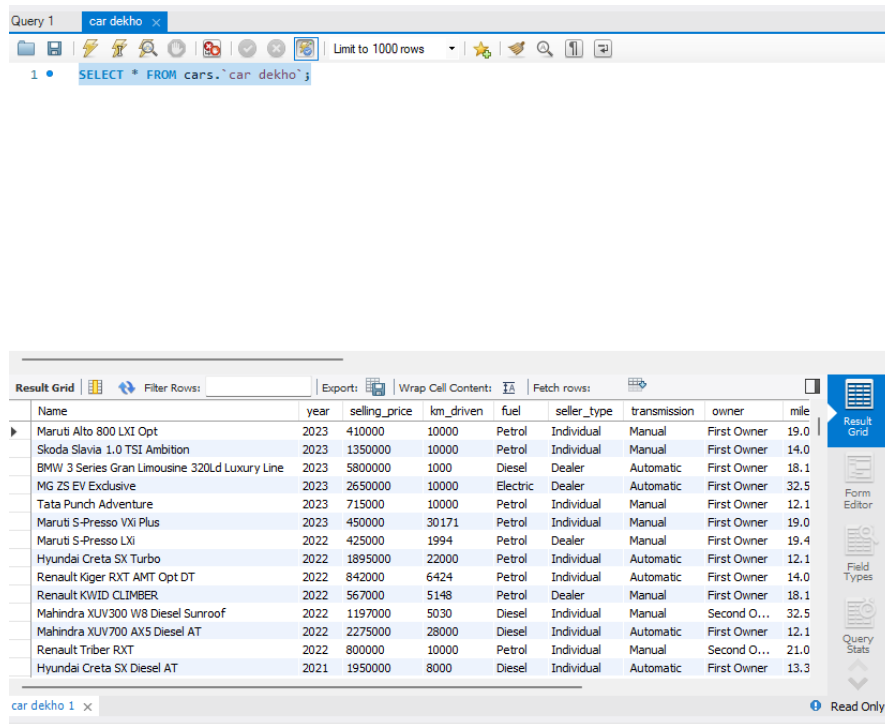
**NOTE: Data Set will be provided in csv file.**

# Read Cars Data

Use cars;

-- READ DATA -- # comments

SELECT \* FROM cars.`car dekho`;



Query 1 car dekho

Limit to 1000 rows

1 • SELECT \* FROM cars.`car dekho`;

Result Grid

Filter Rows: | Exports: | Wrap Cell Content: | Fetch rows: |

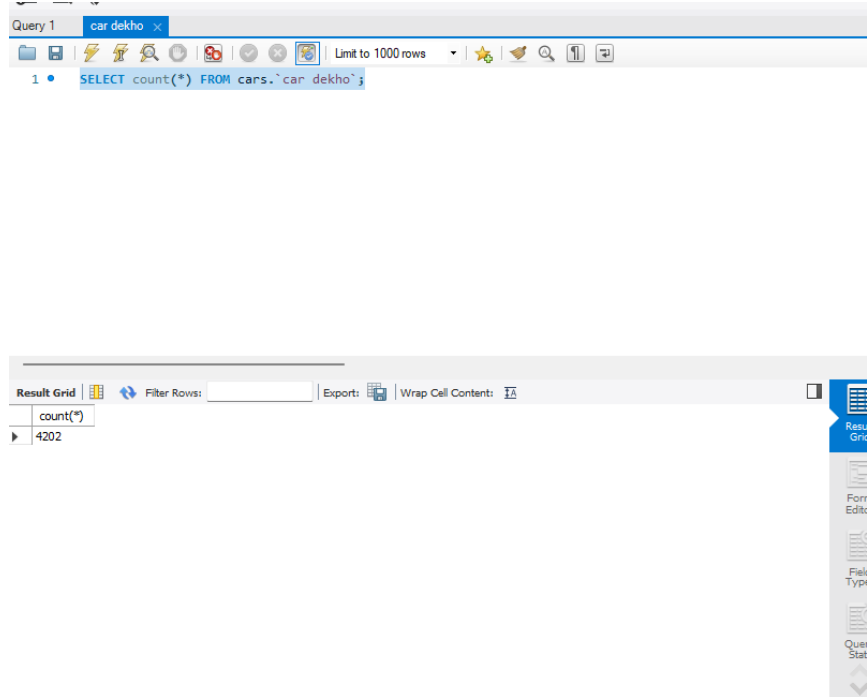
	Name	year	selling_price	km_driven	fuel	seller_type	transmission	owner	mile
▶	Maruti Alto 800 LXI Opt	2023	410000	10000	Petrol	Individual	Manual	First Owner	19.0
	Skoda Slavia 1.0 TSI Ambition	2023	1350000	10000	Petrol	Individual	Manual	First Owner	14.0
	BMW 3 Series Gran Limousine 320Ld Luxury Line	2023	5800000	1000	Diesel	Dealer	Automatic	First Owner	18.1
	MG ZS EV Exclusive	2023	2650000	10000	Electric	Dealer	Automatic	First Owner	32.5
	Tata Punch Adventure	2023	715000	10000	Petrol	Individual	Manual	First Owner	12.1
	Maruti S-Presso VXI Plus	2023	450000	30171	Petrol	Individual	Manual	First Owner	19.0
	Maruti S-Presso LXI	2022	425000	1994	Petrol	Dealer	Manual	First Owner	19.4
	Hyundai Creta SX Turbo	2022	1895000	22000	Petrol	Individual	Automatic	First Owner	12.1
	Renault Kiger RXT AMT Opt DT	2022	842000	6424	Petrol	Individual	Automatic	First Owner	14.0
	Renault Kwid CLIMBER	2022	567000	5148	Petrol	Dealer	Manual	First Owner	18.1
	Mahindra XUV300 W8 Diesel Sunroof	2022	1197000	5030	Diesel	Individual	Manual	Second O...	32.5
	Mahindra XUV700 AX5 Diesel AT	2022	2275000	28000	Diesel	Individual	Automatic	First Owner	12.1
	Renault Triber RXT	2022	800000	10000	Petrol	Individual	Manual	Second O...	21.0
	Hyundai Creta SX Diesel AT	2021	1950000	8000	Diesel	Individual	Automatic	First Owner	13.3

car dekho 1 ×

Read Only

# Totals Cars

-- Total Cars: To get a count of total records --  
 SELECT count(\*) FROM cars.`car dekho`;



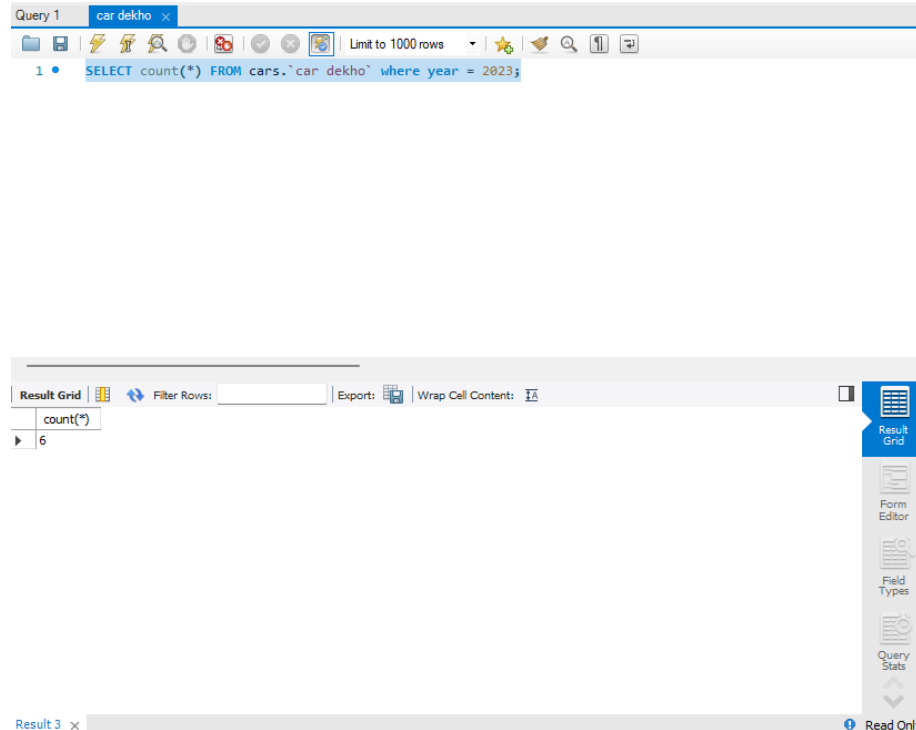
The screenshot shows a database query editor interface. At the top, a tab labeled 'Query 1' contains the SQL query: `SELECT count(*) FROM cars.`car dekho`;`. Below the query editor, the 'Result Grid' is displayed, showing a single row with the value '4202' for the 'count(\*)' column. The interface includes various toolbars for query execution, filtering, and exporting results.

count(*)
4202

# How many cars will be available in 2023?

-- How many cars will be available in 2023?--

```
SELECT count(*) FROM cars.`car dekho` where year = 2023;
```



The screenshot shows a database query interface. At the top, a tab labeled "car dekho" is active. Below the tab, a toolbar contains various icons for file operations, search, and execution. The query editor displays the following SQL query:

```
1 • SELECT count(*) FROM cars.`car dekho` where year = 2023;
```

Below the query editor, the "Result Grid" tab is selected. It shows a single row of results:

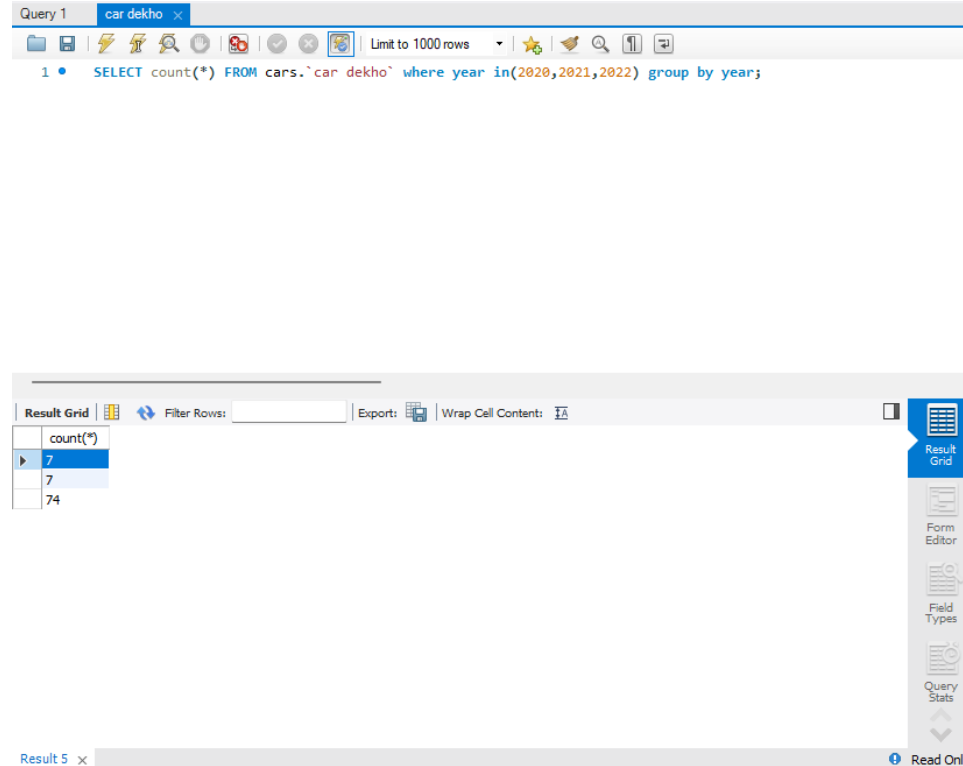
count(*)
6

On the right side of the interface, there is a vertical toolbar with icons for "Result Grid", "Form Editor", "Field Types", and "Query Stats". At the bottom right, a "Read Only" status is indicated.

# How many cars is available in 2020,2021,2022?

--How many cars is available in 2020,2021,2022--

SELECT count(\*) FROM cars.`car dekho` where year in(2020,2021,2022) group by year;



The screenshot shows a database query editor interface. At the top, there's a tab labeled "Query 1" and "car dekho". Below the tab, there's a toolbar with various icons and a "Limit to 1000 rows" dropdown. The query text is displayed in the editor:

```
1 • SELECT count(*) FROM cars.`car dekho` where year in(2020,2021,2022) group by year;
```

Below the query editor, there's a "Result Grid" section. It shows the results of the query in a table format:

count(*)
7
7
74

On the right side of the interface, there's a vertical toolbar with icons for "Result Grid", "Form Editor", "Field Types", and "Query Stats". At the bottom right, there's a "Read Only" status indicator.

# Print the totals no of all cars by year

-- Print the totals no of all cars by year--

SELECT year, count(\*) FROM cars.`car dekho` group by year;

Query 1 car dekho x

Limit to 1000 rows

1 • SELECT year, count(\*) FROM cars.`car dekho` group by year;

Result Grid

Filter Rows:

Export: Wrap Cell Content: I A

year	count(*)
2023	6
2022	7
2021	7
2020	74
2019	583
2018	806
2017	1010
2016	856
2015	775
2014	78

Result Grid

Form Editor

Field Types

Query Stats

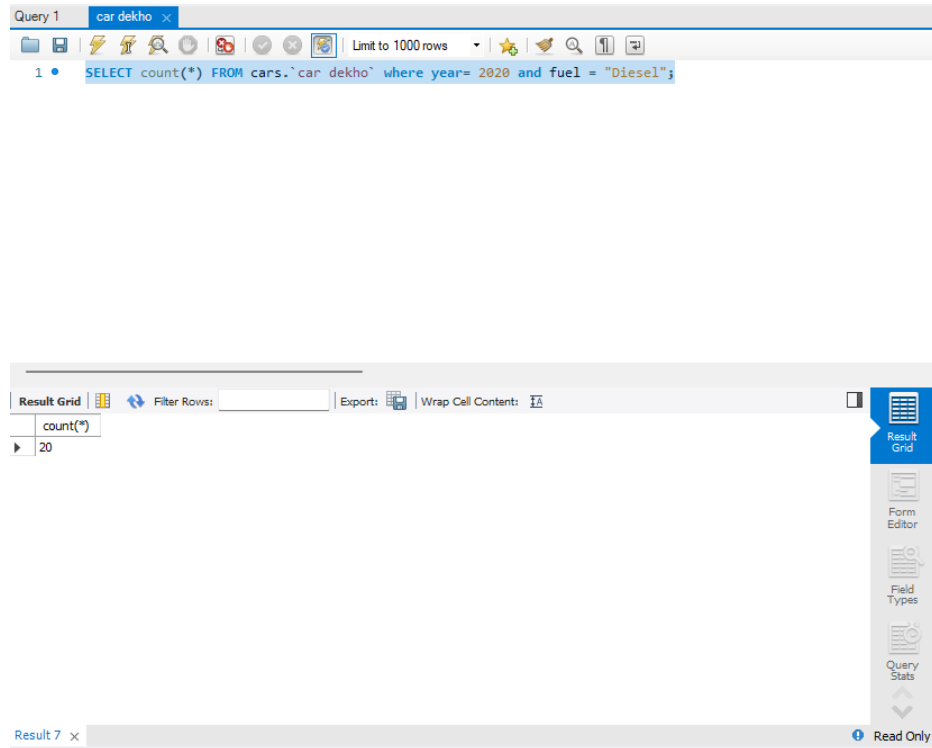
Read Only



# How many diesel cars will there be in 2020?

-- How many diesel cars will be there in 2020?--

```
SELECT count(*) FROM cars.`car dekho` where year= 2020 and fuel = "Diesel";
```



The screenshot shows a database query interface. At the top, a tab labeled 'car dekho' is active. Below it, a toolbar contains various icons for file operations, search, and execution. A dropdown menu shows 'Limit to 1000 rows'. The query editor displays the following SQL query:

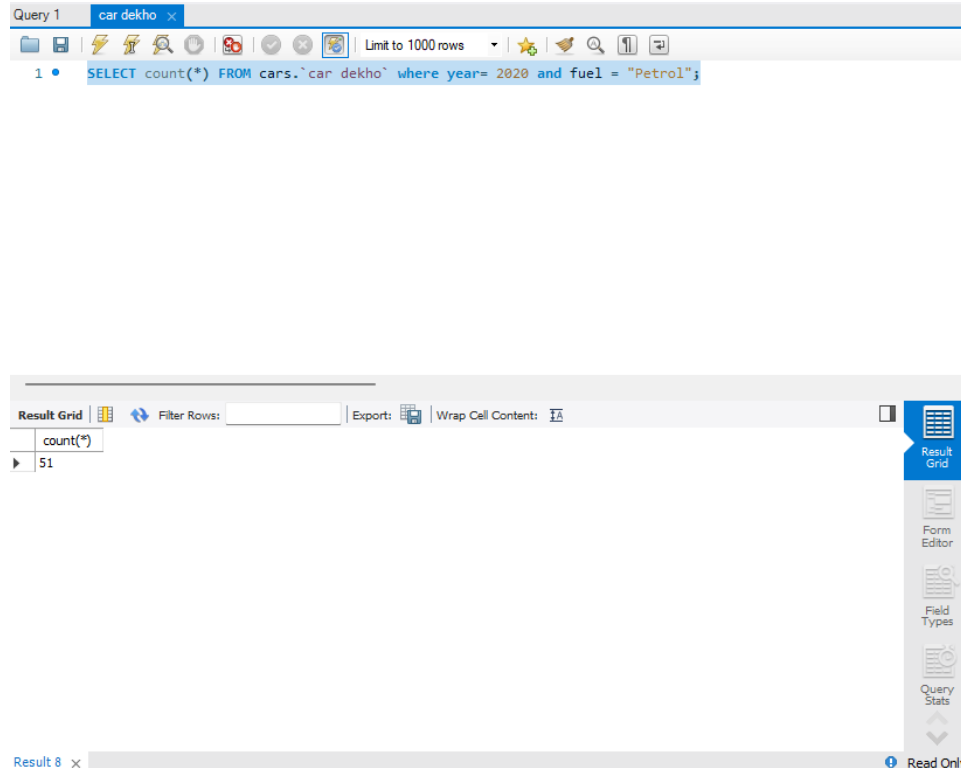
```
1 • SELECT count(*) FROM cars.`car dekho` where year= 2020 and fuel = "Diesel";
```

Below the query editor, the 'Result Grid' is visible. It shows a single row with the column header 'count(\*)' and the value '20'. The interface also includes a 'Filter Rows' section, an 'Export' button, and a 'Wrap Cell Content' checkbox. On the right side, there is a vertical toolbar with icons for 'Result Grid', 'Form Editor', 'Field Types', and 'Query Stats'. At the bottom, a status bar indicates 'Result 7' and 'Read Only'.

count(*)
20

# How many petrol cars will be there in 2020?

SELECT count(\*) FROM cars.`car dekho` where year= 2020 and fuel = "Petrol";



The screenshot shows a database query interface. At the top, a tab labeled 'car dekho' is active. Below it, a toolbar contains various icons for query management. The main area displays the SQL query: `SELECT count(*) FROM cars.`car dekho` where year= 2020 and fuel = "Petrol";`. Below the query, the 'Result Grid' is visible, showing a single row with the value '51' under the column 'count(\*)'. The interface also includes a 'Filter Rows' section, an 'Export' button, and a 'Wrap Cell Content' option. On the right side, there is a vertical toolbar with icons for 'Result Grid', 'Form Editor', 'Field Types', and 'Query Stats'. The bottom status bar indicates 'Result 8' and 'Read Only'.

count(*)
51

# Print all fuels cars come by all year

Select year, count(\*) from car\_dekho where fuel = "Petrol" group by year;

Result Grid	
	count(*)
▶	51

Select year, count(\*) from car\_dekho where fuel = "Diesel" group by year;

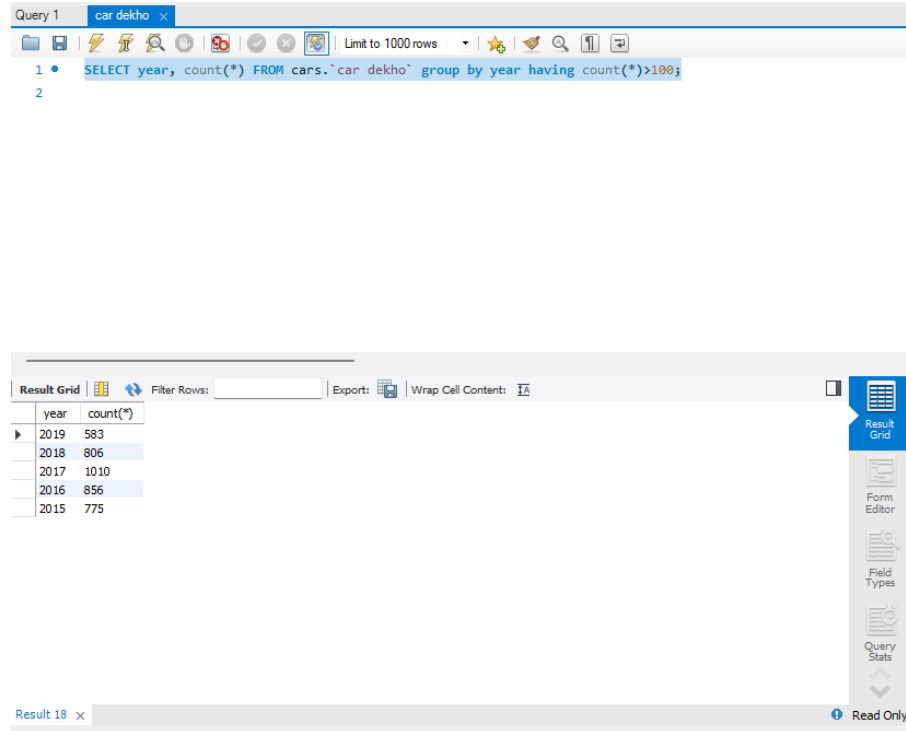
Result Grid	
	count(*)
▶	20

Select year, count(\*) from car\_dekho where fuel = "CNG" group by year;

Result Grid	
	count(*)
▶	3

# More than 100 cars

SELECT year, count(\*) FROM cars.`car dekho` group by year having count(\*)>100;



The screenshot shows a database query editor interface. At the top, the query is entered in a text area:

```
1 • SELECT year, count(*) FROM cars.`car dekho` group by year having count(*)>100;
```

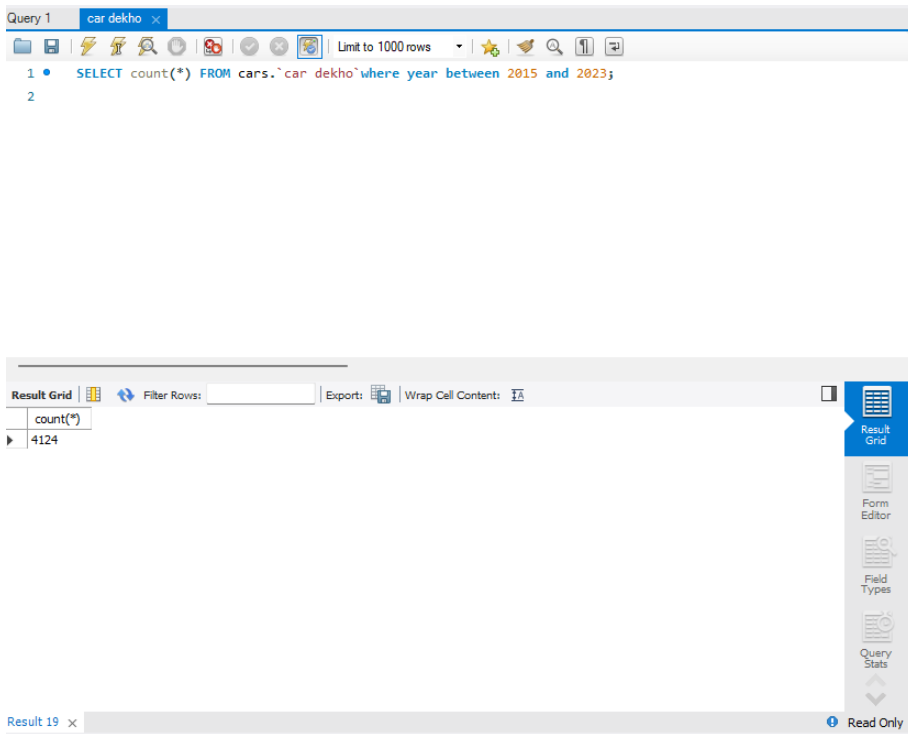
Below the query editor, the results are displayed in a table format. The table has two columns: 'year' and 'count(\*)'. The data rows are as follows:

year	count(*)
2019	583
2018	806
2017	1010
2016	856
2015	775

The interface also includes a toolbar with various icons for query execution, a 'Limit to 1000 rows' dropdown, and a 'Filter Rows' input field. On the right side, there is a vertical toolbar with options like 'Result Grid', 'Form Editor', 'Field Types', and 'Query Stats'. The bottom status bar indicates 'Result 18' and 'Read Only'.

# Car count details between 2015 and 2023

Select count(\*) from car\_dekho where year between 2015 and 2023;



The screenshot displays a SQL query editor interface. At the top, a tab labeled 'car dekho' is active. Below the tab, a toolbar contains various icons for file operations, search, and execution. The query text is as follows:

```
1 • SELECT count(*) FROM cars.`car dekho` where year between 2015 and 2023;  
2
```

Below the query editor, the 'Result Grid' is visible, showing a single row with the value 4124 under the column 'count(\*)'. The interface also includes options for 'Filter Rows', 'Export', and 'Wrap Cell Content'. On the right side, a vertical toolbar contains icons for 'Result Grid', 'Form Editor', 'Field Types', and 'Query Stats'. At the bottom, a status bar indicates 'Result 19 x' and 'Read Only'.

count(*)
4124

# Need complete list of all cars between 2015 and 2023

Select \* from car\_dekho where year between 2015 and 2023;

Query 1 car\_dekho

Limit to 1000 rows

```
1 SELECT * FROM cars.`car_dekho` where year between 2015 and 2023;
```

2

Result Grid

	Name	year	selling_price	km_driven	fuel	seller_type	transmission	owner	mile
▶	Maruti Alto 800 LXI Opt	2023	410000	10000	Petrol	Individual	Manual	First Owner	19.0
	Skoda Slavia 1.0 TSI Ambition	2023	1350000	10000	Petrol	Individual	Manual	First Owner	14.0
	BMW 3 Series Gran Limousine 320Ld Luxury Line	2023	5800000	1000	Diesel	Dealer	Automatic	First Owner	18.1
	MG ZS EV Exclusive	2023	2650000	10000	Electric	Dealer	Automatic	First Owner	32.5
	Tata Punch Adventure	2023	715000	10000	Petrol	Individual	Manual	First Owner	12.1
	Maruti S-Presso VXI Plus	2023	450000	30171	Petrol	Individual	Manual	First Owner	19.0
	Maruti S-Presso LXI	2022	425000	1994	Petrol	Dealer	Manual	First Owner	19.4
	Hyundai Creta SX Turbo	2022	1895000	22000	Petrol	Individual	Automatic	First Owner	12.1
	Renault Kiger RXT AMT Opt DT	2022	842000	6424	Petrol	Individual	Automatic	First Owner	14.0
	Renault KWID CLIMBER	2022	567000	5148	Petrol	Dealer	Manual	First Owner	18.1
	Mahindra XUV300 W8 Diesel Sunroof	2022	1197000	5030	Diesel	Individual	Manual	Second O...	32.5
	Mahindra XUV700 AX5 Diesel AT	2022	2275000	28000	Diesel	Individual	Automatic	First Owner	12.1
	Renault Triber RXT	2022	800000	10000	Petrol	Individual	Manual	Second O...	21.0
	Hyundai Creta SX Diesel AT	2021	1950000	8000	Diesel	Individual	Automatic	First Owner	13.3

car\_dekho 20

Read Only



Future  
Connect  
Media

**THANK YOU**

**Future Connect Training Institute**

**Website: <https://www.fctraining.co.uk/>**