 CAR_DEKHO

CAR-DEALER

WWW.CAR_DEKHO.COM

SQL-PROJECT

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ABOUT US

CAR_DEKHO is a prominent online platform in india specializing in the buying and selling of pre-owned cars. Established with the aim of making the car buying experience seamless, CAR_DEKHO has grown to become a trusted name in the automobile market.

Need of SQL in Company

Due to its rapid expansion, CarDekho has accumulated an extensive amount of data related to car name, fuel, selling price, km Driven and other vehicle specifications.

Managing such vast data efficiently is crucial for making data-driven decisions, streamlining operations, and enhancing customer experience. To handle this, CarDekho relies heavily on **SQL (Structured Query Language)** for managing and querying their databases. SQL enables the company to store, retrieve, and analyze data effectively.

RAW DATA-SET

	A	B	C	D	E	F	G	H	I	J	K	L	M	
1	Name	year	selling_price	km_driven	fuel	seller_type	transmission	owner	mileage	engine	max_power	torque	seats	
2	Maruti Alto 800 LXI Opt	2023	410000	10000	Petrol	Individual	Manual	First Owner	19.03 kmpl	999 CC	71.01bhp	96Nm	5	
3	Skoda Slavia 1.0 TSI Ambition	2023	1350000	10000	Petrol	Individual	Manual	First Owner	14.08 kmpl	1956 CC	167.67bhp	350nm	5	
4	BMW 3 Series Gran Limousine 320Ld Luxury Line	2023	5800000	1000	Diesel	Dealer	Automatic	First Owner	18.15 kmpl	998 CC	118.35bhp	172Nm	5	
5	MG ZS EV Exclusive	2023	2650000	10000	Electric	Dealer	Automatic	First Owner	32.52 kmpl	998 CC	58.33bhp	78Nm	5	
6	Tata Punch Adventure	2023	715000	10000	Petrol	Individual	Manual	First Owner	12.15 kmpl	1451 CC	141bhp	250Nm	5	
7	Maruti S-Presso VXI Plus	2023	450000	30171	Petrol	Individual	Manual	First Owner	19.03 kmpl	999 CC	71.01bhp	96Nm	5	
8	Maruti S-Presso LXI	2022	425000	1994	Petrol	Dealer	Manual	First Owner	19.47 kmpl	999 CC	113.98bhp	178Nm	5	
9	Hyundai Creta SX Turbo	2022	1895000	22000	Petrol	Individual	Automatic	First Owner	12.15 kmpl	1997 CC	296.3bhp	400Nm	5	
10	Renault Kiger RXT AMT Opt DT	2022	842000	6424	Petrol	Individual	Automatic	First Owner	14.08 kmpl	1956 CC	167.67bhp	350nm	5	
11	Renault KWID CLIMBER	2022	567000	5148	Petrol	Dealer	Manual	First Owner	18.15 kmpl	998 CC	118.35bhp	172Nm	5	
12	Mahindra XUV300 W8 Diesel Sunroof	2022	1197000	5030	Diesel	Individual	Manual	Second Owner	32.52 kmpl	998 CC	58.33bhp	78Nm	5	
13	Mahindra XUV700 AX5 Diesel AT	2022	2275000	28000	Diesel	Individual	Automatic	First Owner	12.15 kmpl	1451 CC	141bhp	250Nm	5	
14	Renault Triber RXT	2022	800000	10000	Petrol	Individual	Manual	Second Owner	21.01 kmpl	1197 CC	81.80bhp	113Nm	5	
15	Hyundai Creta SX Diesel AT	2021	1950000	8000	Diesel	Individual	Automatic	First Owner	13.38 kmpl	2993 CC	265 bhp	620Nm@ 1	5	
16	Renault KWID CLIMBER	2021	567000	5868	Petrol	Individual	Manual	First Owner	18.15 kmpl	998 CC	118.35bhp	172Nm	5	
17	Nissan Magnite XV Premium	2021	850000	2963	Petrol	Individual	Manual	First Owner	32.52 kmpl	998 CC	58.33bhp	78Nm	5	
18	Renault Triber RXZ	2021	785000	11192	Petrol	Individual	Manual	Second Owner	12.15 kmpl	1451 CC	141bhp	250Nm	5	
19	Hyundai Tucson Platinum AT	2021	2975000	3600	Petrol	Dealer	Automatic	First Owner	21.01 kmpl	1197 CC	81.80bhp	113Nm	5	
20	Maruti Alto 800 LXI Opt	2021	358000	29751	Petrol	Dealer	Manual	First Owner	19.03 kmpl	999 CC	71.01bhp	96Nm	5	
21	Hyundai i20 Sportz Diesel	2021	977000	13522	Diesel	Individual	Manual	First Owner	18.15 kmpl	2198 CC	182.38bhp	450Nm	5	
22	BMW X7 xDrive 30d DPE	2020	7200000	5000	Diesel	Individual	Automatic	First Owner	13.38 kmpl	2993 CC	265 bhp	620Nm@ 1	7	
23	Datsun GO T Option	2020	450000	10000	Petrol	Individual	Manual	First Owner	19.02 kmpl	1198 CC	67.05 bhp	104Nm@ 4	5	
24	Datsun RediGO 1.0 S	2020	350000	2136	Petrol	Individual	Manual	First Owner	22.5 kmpl	999 CC	67 bhp	91Nm@ 4	5	
25	Ford Freestyle Titanium Petrol BSIV	2020	400000	5000	Petrol	Individual	Manual	Second Owner	19.0 kmpl	1194 CC	94.68 bhp	120Nm@ 4	5	
26	Honda Civic ZX Diesel BSIV	2020	2125000	5500	Diesel	Dealer	Manual	First Owner	26.8 kmpl	1597 CC	118 bhp	300Nm@ 1	5	
27	Honda Civic ZX Diesel BSIV	2020	2125000	5500	Diesel	Dealer	Manual	First Owner	26.8 kmpl	1597 CC	118 bhp	300Nm@ 1	5	
28	Hyundai Creta 1.4 EX Diesel	2020	1050000	20000	Diesel	Individual	Manual	First Owner	22.1 kmpl	1396 CC	88.7 bhp	219.7Nm@	5	
29	Hyundai Creta 1.6 CRDi AT SX Plus	2020	1950000	2700	Diesel	Dealer	Automatic	First Owner	17.01 kmpl	1582 CC	126.2 bhp	259.9Nm@	5	

PROBLEM STATEMENTS

- 1) READ CARS DATA.
- 2) TOTAL CARS- TO GET A COUNT OF TOTAL RECORDS.
- 3) THE MANAGER ASKED THE EMPLOYEE HOW MANY CARS WILL BE AVAILABLE IN 2023.
- 4) THE MANAGER ASKED THE EMPLOYEE HOW MANY CARS IS AVAILABLE IN 2020, 2021, 2022.
- 5) CLIENT ASKED ME TO PRINT THE TOTAL OF ALL CARS BY YEAR. I DON'T WANT ALL THE DETAILS.
- 6) CLIENT ASKED TO CAR DEALER AGENT HOW MANY DIESEL CARS WILL THERE BE IN 2020.
- 7) CLIENT REQUEST A CAR DEALER AGENT HOW MANY PETROL CARS WILL THERE BE IN 2020.
- 8) MANAGER TOLD THE EMPLOYEE TO GIVE A PRINT ALL THE FUEL CARS (PETROL, DIESEL, CNG) COME BY ALL YEARS.
- 9) MANAGER SAID THERE WERE MORE THAN 100 CARS IN A GIVEN YEAR, WHICH YEAR HAD MORE THAN 100 CARS.
- 10) THE MANAGER SAID TO EMPLOYEE ALL CARS COUNT BETWEEN 2015 AND 2023 WE NEED A COMPLETE LIST.
- 11) MANAGER SAID TO EMPLOYEE ALL CARS DETAILS 2015 TO 2023 WE NEED COMPLETE LIST.

SQL Queries- The Solutions

1)

```

1  -- 1) READ CARS DATA
2  •  USE CARS;
3  •  SELECT * from CAR_DEKHO;
4
5  -- I ALREADY QUERIED ABOUT USE CARS SO NO NEED TO MENTION DATABASE NAME I.E CARS AGAIN AND AGAIN.
    
```



Query Result

Name	year	selling_price	km_driven	fuel	seller_type	transmission	owner	mileage	engine	max_power	torque	seats
Maruti Alto 800 LXI Opt	2023	410000	10000	Petrol	Individual	Manual	First Owner	19.03 kmpl	999 CC	71.01bhp	96Nm	5
Skoda Slavia 1.0 TSI Ambition	2023	1350000	10000	Petrol	Individual	Manual	First Owner	14.08 kmpl	1956 CC	167.67bhp	350Nm	5
BMW 3 Series Gran Limousine 320Ld Luxury Line	2023	5800000	1000	Diesel	Dealer	Automatic	First Owner	18.15 kmpl	998 CC	118.35bhp	172Nm	5
MG ZS EV Exclusive	2023	2650000	10000	Electric	Dealer	Automatic	First Owner	32.52 kmpl	998 CC	58.33bhp	78Nm	5
Tata Punch Adventure	2023	715000	10000	Petrol	Individual	Manual	First Owner	12.15 kmpl	1451 CC	141bhp	250Nm	5
Maruti S-Presso VXi Plus	2023	450000	30171	Petrol	Individual	Manual	First Owner	19.03 kmpl	999 CC	71.01bhp	96Nm	5
Maruti S-Presso LXI	2022	425000	1994	Petrol	Dealer	Manual	First Owner	19.47 kmpl	999 CC	113.98bhp	178Nm	5
Hyundai Creta SX Turbo	2022	1895000	22000	Petrol	Individual	Automatic	First Owner	12.15 kmpl	1997 CC	296.3bhp	400Nm	5
Renault Kiger RXT AMT Opt DT	2022	842000	6424	Petrol	Individual	Automatic	First Owner	14.08 kmpl	1956 CC	167.67bhp	350Nm	5
Renault KWID CLIMBER	2022	567000	5148	Petrol	Dealer	Manual	First Owner	18.15 kmpl	998 CC	118.35bhp	172Nm	5

SQL Queries- The Solutions

2)


```
-- 2) TOTAL CARS- TO GET A COUNT OF TOTAL RECORDS
SELECT COUNT(*)
FROM CAR_DEKHO;
```



Query Result

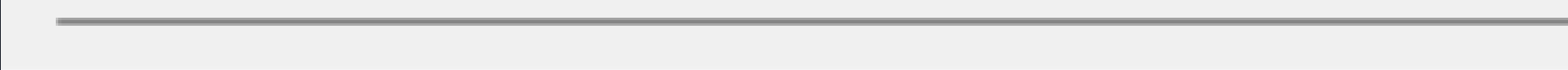



Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	COUNT(*)			
▶	7927			

SQL Queries- The Solutions

3)  Don't Limit

```
1  -- 3) THE MANAGER ASKED THE EMPLOYEE HOW MANY CARS WILL BE AVAILABLE IN 2023
2  SELECT COUNT(*)
3  FROM CAR_DEKHO
4  WHERE YEAR= 2023;
```

 Query Result

 Result Grid  Filter Rows: Export:  Wrap Cell Content: 

	COUNT(*)
▶	6

SQL Queries- The Solutions

4)

```
-- 4) THE MANAGER ASKED THE EMPLOYEE HOW MANY CARS IS AVAILAIBLE IN 2020, 2021, 2022.
SELECT YEAR, COUNT(*)
FROM CAR_DEKHO
WHERE YEAR IN (2020, 2021, 2022)
GROUP BY YEAR;
```



Query Result

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	YEAR	COUNT(*)			
▶	2022	7			
	2021	7			
	2020	74			

SQL Queries- The Solutions

5)

```
-- 5) CLIENT ASKED ME TO PRINT THE TOTAL OF ALL CARS BY YEAR. I DONT SEE ALL THE DETAILS.
SELECT YEAR, COUNT(*)
FROM car_dekho
GROUP BY YEAR;
```



Query Result

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	YEAR	COUNT(*)			
▶	2023	6			
	2022	7			
	2021	7			
	2020	74			
	2019	583			
	2018	806			
	2017	1010			
	2016	856			
	2015	775			
	2014	620			
	2013	668			
	2012	621			

SQL Queries- The Solutions

6)

```
-- 6) CLIENT ASKED TO CAR DEALER AGENT HOW MANY DIESEL CARS WILL THERE BE IN 2020.
SELECT YEAR, COUNT(*) AS DIESEL
FROM CAR_DEKHO
WHERE YEAR = 2020
AND
FUEL = "DIESEL"
GROUP BY YEAR;
```



Query Result

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	YEAR	DIESEL			
▶	2020	20			

SQL Queries- The Solutions

7)

```
-- 7) CLIENT REQUEST A CAR DEALER AGENT HOW MANY PETROL CARS WILL THERE BE IN 2020
1  -- 7) CLIENT REQUEST A CAR DEALER AGENT HOW MANY PETROL CARS WILL THERE BE IN 2020
2  • SELECT YEAR, COUNT(*) AS PETROL
3  FROM CAR_DEKHO
4  WHERE YEAR = 2020
5  AND
6  FUEL = "PETROL"
7  GROUP BY YEAR;
```



Query Result

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	YEAR	PETROL			
▶	2020	51			

SQL Queries- The Solutions

8)

```
-- 8) MANAGER TOLD THE EMPLOYEE TO GIVE A PRINT ALL THE FUEL CARS (PETROL, DIESEL, CNG) COME BY ALL YEARS
SELECT YEAR, COUNT(*), FUEL
FROM CAR_DEKHO
WHERE FUEL IN ("PETROL", "DIESEL", "CNG")
GROUP BY YEAR, FUEL;
```



Query Result

Result Grid			
Filter Rows:			
Export: Wrap Cell Content: IA			
	YEAR	COUNT(*)	FUEL
▶	2023	4	Petrol
	2023	1	Diesel
	2022	5	Petrol
	2022	2	Diesel
	2021	2	Diesel
	2021	5	Petrol
	2020	20	Diesel
	2020	51	Petrol
	2020	3	CNG
	2019	352	Petrol
	2019	224	Diesel
	2019	7	CNG

SQL Queries- The Solutions

9)

```
-- 9) MANAGER SAID THERE WERE MORE THAN 100 CARS IN A GIVEN YEAR, WHICH YEAR HAD MORE THAN 100 CARS.
SELECT YEAR, COUNT(*)
FROM CAR_DEKHO
GROUP BY YEAR
HAVING COUNT(*) > 100;
```



Query Result

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	YEAR	COUNT(*)			
▶	2019	583			
	2018	806			
	2017	1010			
	2016	856			
	2015	775			
	2014	620			
	2013	668			
	2012	621			
	2011	570			
	2010	375			
	2009	231			
	2008	201			

SQL Queries- The Solutions

10)

```
1  -- 10) THE MANAGER SAID TO EMPLOYEE ALL CARS COUNT BETWEEN 2015 AND 2023 WE NEE A COMPLETE LIST
2  • SELECT COUNT(*)
3  FROM CAR_DEKHO
4  WHERE YEAR BETWEEN 2015 AND 2023;
```



Query Result

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	COUNT(*)			
▶	4124			

SQL Queries- The Solutions

11)

```
-- 11) MANAGER SIAD TO EMPLOYEE ALL CARS DETAILS 2015 TO 2023 WE NEED COMPLETE LIST.
SELECT *
FROM CAR_DEKHO
WHERE YEAR BETWEEN 2015 AND 2023;
```



Query Result

Result Grid											
Filter Rows: <input type="text"/> Export: <input type="button" value=""/> Wrap Cell Content: <input type="button" value=""/> Fetch rows: <input type="button" value=""/>											
	Name	year	selling_price	km_driven	fuel	seller_type	transmission	owner	mileage	engine	max_power
▶	Maruti Alto 800 LXI Opt	2023	410000	10000	Petrol	Individual	Manual	First Owner	19.03 kmpl	999 CC	71.01bhp
	Skoda Slavia 1.0 TSI Ambition	2023	1350000	10000	Petrol	Individual	Manual	First Owner	14.08 kmpl	1956 CC	167.67bhp
	BMW 3 Series Gran Limousine 320Ld Luxury Line	2023	5800000	1000	Diesel	Dealer	Automatic	First Owner	18.15 kmpl	998 CC	118.35bhp
	MG ZS EV Exclusive	2023	2650000	10000	Electric	Dealer	Automatic	First Owner	32.52 kmpl	998 CC	58.33bhp
	Tata Punch Adventure	2023	715000	10000	Petrol	Individual	Manual	First Owner	12.15 kmpl	1451 CC	141bhp
	Maruti S-Presso VXI Plus	2023	450000	30171	Petrol	Individual	Manual	First Owner	19.03 kmpl	999 CC	71.01bhp
	Maruti S-Presso LXI	2022	425000	1994	Petrol	Dealer	Manual	First Owner	19.47 kmpl	999 CC	113.98bhp
	Hyundai Creta SX Turbo	2022	1895000	22000	Petrol	Individual	Automatic	First Owner	12.15 kmpl	1997 CC	296.3bhp
	Renault Kiger RXT AMT Opt DT	2022	842000	6424	Petrol	Individual	Automatic	First Owner	14.08 kmpl	1956 CC	167.67bhp
	Renault KWID CLIMBER	2022	567000	5148	Petrol	Dealer	Manual	First Owner	18.15 kmpl	998 CC	118.35bhp
	Mahindra V10 3000 W8 Diesel Sunroof	2022	1107000	5030	Diesel	Individual	Manual	Second O	32.52 kmpl	998 CC	58.33bhp



Thanks For Visit....



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