A SQL Project

"CAR SALES ANALYSIS: UNVEILING INSIGHTS THROUGH SQL QUERIES"

Hello!

My name is kunal and in this project i have utilized SQL QUERIES to solve questions that were related to "Car sales project"

My SQL Project: Second Hand Car Dealer

- 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) Clint asked me to print the total of all cars by year. I don't see all the details.
 - 6) Clint asked to car dealer agent How many diesel cars will there be in 20202

The manager told the employee to give a print All the fuel cars (petrol, diesel, and CNG) come by all year.

My SQL Project: Second Hand Car Dealer

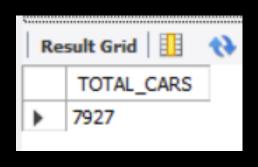
Manager said there were more than 100 cars in a given year, which year had more than 100 cars?

The manager said to the employee All cars count details between 2015 and 2023; we need a complete list.

The manager said to the employee All cars details between 2015 to 2023 we need complete list

Total Cars: To get a count of total records

```
Create database Car_Sales;
USE CAR_SALES;
RENAME TABLE Car_Sales_Sql_Project TO CAR;
SELECT* FROM CAR;
SELECT COUNT(NAME) TOTAL_CARS FROM CARS;
```



The manager asked the employee How many cars will be available in 2023?

SELECT NAME, YEAR,	COUNT(YEAR)	AS	Car_Count_2023
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FROM CARS
WHERE YEAR = 2023

GROUP BY NAME, YEAR;

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Res	sult Grid	Exp	port: 📳 Wrap Cel
	NAME	YEAR	Car_Count_2023
	Maruti Alto 800 LXI Opt	2023	1
	Skoda Slavia 1.0 TSI Ambition	2023	1
	BMW 3 Series Gran Limousine 320Ld Luxury Line	2023	1
	MG ZS EV Exclusive	2023	1
	Tata Punch Adventure	2023	1
	Maruti S-Presso VXi Plus	2023	1

The manager asked the employee How many cars is available in 2020,2021,2022?

SELECT YEAR, COUNT(YEAR) AS CARS_COUNT FROM CARS
 WHERE YEAR IN ('2021', '2022', '2023')
 GROUP BY YEAR;

Res	sult Grid		43	Filter	Rows:
	YEAR	CARS	_COL	JNT	
٨	2023	6			
	2022	7			
	2021	7			

The manager told the employee to give a print All the fuel cars (petrol, diesel, and CNG) come by all year.

SELECT YEAR, FUEL, COUNT (YEAR) AS COUNT_CARS FROM CARS
WHERE FUEL IN ('PETROL', 'DIESEL', 'CNG') GROUP BY YEAR, FUEL;

	YEAR	FUEL	COUNT_CARS	YEAR	FUEL	COUNT_CARS
•	2023	Petrol	4	2020	Petrol	51
	2023	Diesel	1	2020	CNG	3
	2022	Petrol	5	2019	Petrol	352
	2022	Diesel	2	2019	Diesel	224
	2021	Diesel	2	2019	CNG	7
	2021	Petrol	5	2018	Diesel	407
	2020	Diesel	20	2018	Petrol	394
	YEAR	FUEL	COUNT_CARS	YEAR	FUEL	COUNT_CARS
	2018	CNG	5	2015	Diesel	493
	2017	Diesel	569	2015	Petrol	278
	2017	Petrol	432	2015	CNG	2
	2017	CNG	9	2014	Diesel	414
	2016	Diesel	421	2014	Petrol	202
	2016	Petrol	429	2014	CNG	4
	2016	CNG	6	2013	Diecel	460

Clint asked me to print the total of all cars by year. I don't see all the details.

SELECT YEAR, COUNT(YEAR) AS COUNT_CARS FROM CARS GROUP BY YEAR;

	YEAR	COUNT_CARS	YEAR	COUNT_CARS
•	2023	6	2016	
	2022	7	2015	
	2021	7	2014	620
	2020	74	2013	668
	2019	583	2012	621
		806	2011	570
	2017	1010	2010	375
	2017	1010	2010	375

Clint asked to car dealer agent How many diesel cars will there be in 20202

SELECT NAME, YEAR, COUNT(FUEL) AS DIESEL_CARS FROM CARS
WHERE FUEL = 'DIESEL' AND YEAR = '2020'
GROUP BY NAME, YEAR;

	NAME	YEAR	DIESEL_CARS
•	BMW X7 xDrive 30d DPE	2020	1
	Honda Civic ZX Diesel BSIV	2020	2
	Hyundai Creta 1.4 EX Diesel	2020	1
	Hyundai Creta 1.6 CRDi AT SX Plus	2020	1
	Kia Seltos HTX Plus AT D	2020	2
	Mahindra Bolero Pik-Up FB 1.7T	2020	1
	Mahindra KUV 100 D75 K6 Plus	2020	1
N/	ME	YEAR	DIESEL_CARS
Ma	hindra Scorpio S11 4WD BSIV	2020	1
Mal	hindra XUV500 W7	2020	1
Mar	ruti Vitara Brezza VDi	2020	1
Mar	ruti Vitara Brezza ZDi AMT	2020	1

2020

2020

2020

Tata Harrier XZ Plus

Toyota Fortuner 2.8 4WD AT BSIV

Toyota Innova Crysta 2.4 G MT 8 STR

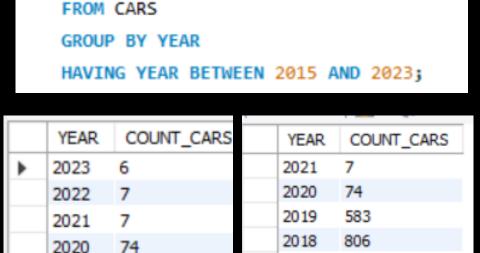
Manager said there were more than 100 cars in a given year, which year had more than 100 cars?

SELECT	
YEAR, COUNT(YEAR) AS COUNT_CARS	
FROM	
CARS	
GROUP BY YEAR	
HAVING COUNT(YEAR) > '100';	

	YEAR	COUNT_CARS	YEAR	COUNT_CARS
•	2019	583	2012	621
	2018	806	2011	570
	2017	1010	2010	375
	2016	856	2009	231
	2015	775	2008	201
	2014	620	2007	173
	2013	668	2006	102

The manager said to the employee All cars count details between 2015 and 2023; we need a complete list.

SELECT YEAR, COUNT(*) AS COUNT CARS



2019 583

806

1010

2018

2017

2017 1010

2016 856

775

2015

The manager said to the employee All cars details between 2015 to 2023 we need complete list

FROM
CARS
WHERE
YEAR BETWEEN 2015 AND 2023;

year

Name

selling_price km_driven fuel

seller_type

				_				_				
•	Maruti Alto 800	LXI Opt		202	23	410000	10	0000	Petr	ol In	divid	ual
Skoda Slavia 1.0 TSI Ambiti		.0 TSI Ambition			23	1350000	10000		Petr	ol In	Individual	
	BMW 3 Series	Gran Limousine 320Lo	d Luxury Line	202	2023 5800000		10	1000		el De	ealer	
	MG ZS EV Exclu	usive		202	23	2650000	10	0000	Elec	tric De	ealer	
	Tata Punch Ad	venture		202	23	715000	10000		Petr	ol In	divid	ual
	Maruti S-Press	o VXi Plus		202	23	450000	30	0171	Petr	ol In	divid	ual
											Ħ	
transmission		owner	mileage		engine		max_power		torque			seats
Ma	nual	First Owner	19.03 kmpl		999	CC	71.0	1bhp	9	6Nm	5	
Ma	nual	First Owner	14.08 kmpl		195	6 CC	167.	67bhp	3	50nm	5	
Au	tomatic	First Owner	18.15 kmpl		998	CC	118.	35bhp	1	72Nm	5	
Au	tomatic	First Owner	32.52 kmpl		998	CC	58.3	3bhp	78	3Nm	5	
Ma	nual	First Owner	12.15 kmpl		145	1 CC	141b	hp	2	50Nm	5	
Ma	nual	First Owner	19.03 kmpl		999	CC	71.0	1bhp	9	5Nm	5	

thank

you