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

My SQL Project: Second Hand Car Dealer

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

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

```sql
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 ;
```

Result Grid

	TOTAL_CARS
▶	7927

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

```
SELECT NAME,YEAR, COUNT(YEAR) AS Car_Count_2023
FROM CARS
WHERE YEAR = 2023
GROUP BY NAME,YEAR;
```

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

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 ?

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

Result Grid | Filter Rows:

YEAR	CARS_COUNT
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
2023	Petrol	4
2023	Diesel	1
2022	Petrol	5
2022	Diesel	2
2021	Diesel	2
2021	Petrol	5
2020	Diesel	20

YEAR	FUEL	COUNT_CARS
2020	Petrol	51
2020	CNG	3
2019	Petrol	352
2019	Diesel	224
2019	CNG	7
2018	Diesel	407
2018	Petrol	394

YEAR	FUEL	COUNT_CARS
2018	CNG	5
2017	Diesel	569
2017	Petrol	432
2017	CNG	9
2016	Diesel	421
2016	Petrol	429
2016	CNG	6

YEAR	FUEL	COUNT_CARS
2015	Diesel	493
2015	Petrol	278
2015	CNG	2
2014	Diesel	414
2014	Petrol	202
2014	CNG	4
2013	Diesel	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
2023	6
2022	7
2021	7
2020	74
2019	583
2018	806
2017	1010

YEAR	COUNT_CARS
2016	856
2015	775
2014	620
2013	668
2012	621
2011	570
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
Mahindra Scorpio S11 4WD BSIV	2020	1
Mahindra XUV500 W7	2020	1
Maruti Vitara Brezza VDi	2020	1
Maruti Vitara Brezza ZDi AMT	2020	1
Tata Harrier XZ Plus	2020	1
Toyota Fortuner 2.8 4WD AT BSIV	2020	1
Toyota Innova Crysta 2.4 G MT 8 STR	2020	1

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
2019	583
2018	806
2017	1010
2016	856
2015	775
2014	620
2013	668

YEAR	COUNT_CARS
2012	621
2011	570
2010	375
2009	231
2008	201
2007	173
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
FROM CARS
GROUP BY YEAR
HAVING YEAR BETWEEN 2015 AND 2023;
```

YEAR	COUNT_CARS
2023	6
2022	7
2021	7
2020	74
2019	583
2018	806
2017	1010

YEAR	COUNT_CARS
2021	7
2020	74
2019	583
2018	806
2017	1010
2016	856
2015	775

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

```
SELECT
    *
FROM
    CARS
WHERE
    YEAR BETWEEN 2015 AND 2023;
```

Name	year	selling_price	km_driven	fuel	seller_type	t
Maruti Alto 800 LXI Opt	2023	410000	10000	Petrol	Individual	M
Skoda Slavia 1.0 TSI Ambition	2023	1350000	10000	Petrol	Individual	M
BMW 3 Series Gran Limousine 320Ld Luxury Line	2023	5800000	1000	Diesel	Dealer	A
MG ZS EV Exclusive	2023	2650000	10000	Electric	Dealer	A
Tata Punch Adventure	2023	715000	10000	Petrol	Individual	M
Maruti S-Presso VXi Plus	2023	450000	30171	Petrol	Individual	M

transmission	owner	mileage	engine	max_power	torque	seats
Manual	First Owner	19.03 kmpl	999 CC	71.01bhp	96Nm	5
Manual	First Owner	14.08 kmpl	1956 CC	167.67bhp	350nm	5
Automatic	First Owner	18.15 kmpl	998 CC	118.35bhp	172Nm	5
Automatic	First Owner	32.52 kmpl	998 CC	58.33bhp	78Nm	5
Manual	First Owner	12.15 kmpl	1451 CC	141bhp	250Nm	5
Manual	First Owner	19.03 kmpl	999 CC	71.01bhp	96Nm	5

thank

you