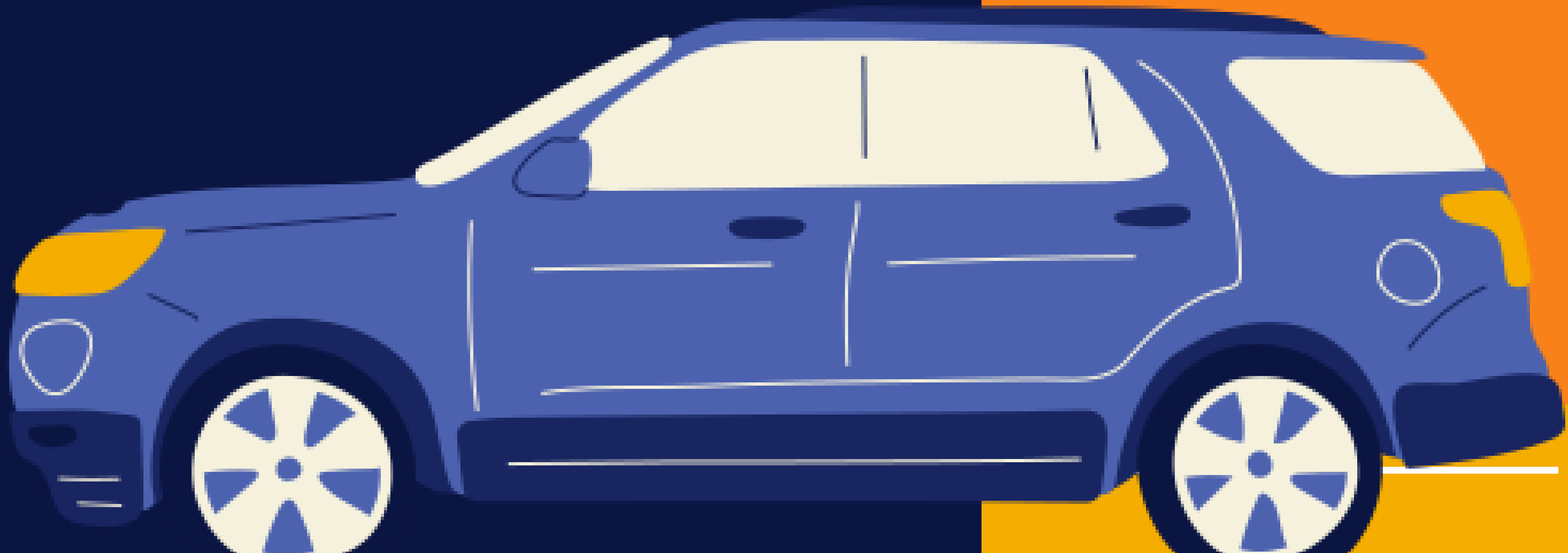# Car Sell Dekho Analysis

Read the dataset

```sql
SELECT
    *
FROM
    car_dekho
```

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

Print the total count of the records

```sql
SELECT
    COUNT(*)
FROM
    car_dekho
```

COUNT(*)
7927

How many cars are available in 2023 ?

```sql
SELECT
    COUNT(*)
FROM
    car_dekho
WHERE
    year = 2023
```

	COUNT(*)
▶	6

How many cars are available in 2020, 2021, 2022 ?

```sql
SELECT
    year, COUNT(*) AS no_of_cars
FROM
    car_dekho
WHERE
    year IN (2020 , 2021, 2022)
GROUP BY year
```

	year	no_of_cars
▶	2022	7
	2021	7
	2020	74

How many diesel cars are available in 2020 ?

```sql
SELECT
    COUNT(*)
FROM
    car_dekho
WHERE
    fuel = 'Diesel' AND year = 2020
```

	COUNT(*)
▶	20

How many petrol cars are available in 2020 ?

```sql
SELECT
    COUNT(*)
FROM
    car_dekho
WHERE
    fuel = 'Petrol' AND year = 2020
```

	COUNT(*)
▶	51

Print the count of all fuel cars(Petrol, diesel and CNG) year wise in Descending order

```sql
SELECT
    Year, COUNT(*) AS total_count
FROM
    car_dekho
WHERE
    fuel = 'Diesel'
GROUP BY Year
ORDER BY total_count DESC
```

Year	total_count
2017	569
2015	493
2013	460
2016	421
2014	414
2018	407

```sql
SELECT
    Year, COUNT(*) AS total_count
FROM
    car_dekho
WHERE
    fuel = 'Petrol'
GROUP BY Year
ORDER BY total_count DESC
```

Year	total_count
2017	432
2016	429
2018	394
2019	352
2015	278
2013	203

```sql
SELECT
    Year, COUNT(*) AS total_count
FROM
    car_dekho
WHERE
    fuel = 'CNG'
GROUP BY Year
ORDER BY total_count DESC
```

Year	total_count
2017	9
2019	7
2016	6
2018	5
2012	5
2014	4

Print the count of all cars pertain between year 2015 and 2023

```sql
SELECT
    COUNT(*)
FROM
    car_dekho
WHERE
    year BETWEEN 2015 AND 2023
```

COUNT(*)
4124

Print the count of all cars pertain between year 2015 and 2023

```sql
SELECT
    year, COUNT(*)
FROM
    car_dekho
GROUP BY Year
HAVING COUNT(*) > 100
```

year	COUNT(*)
2019	583
2018	806
2017	1010
2016	856
2015	775
2014	620

Print the details of all cars fall in year 2015 to 2023

```sql
SELECT
    *
FROM
    car_dekho
WHERE
    year BETWEEN 2015 AND 2023
```

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
Mahindra XUV300 W8 Diesel Sunroof	2022	1197000	5030	Diesel	Individual	Manual	Second O...	32.52 kmpl	998 CC	58.33bhp	78Nm	5
Mahindra XUV700 AX5 Diesel AT	2022	2275000	28000	Diesel	Individual	Automatic	First Owner	12.15 kmpl	1451 CC	141bhp	250Nm	5