MySQL Project

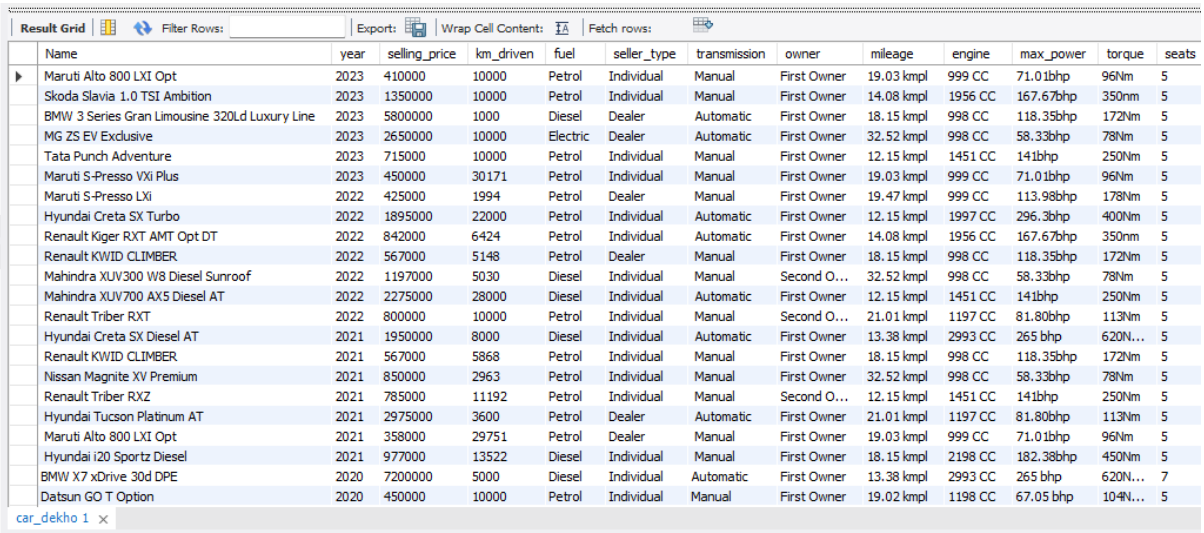
Second Hand Car Dealer

Created by: Yash Dumbhare

Reading Data

use cars;

select * from car_dekho;



Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

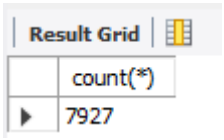
Name	year	selling_price	km_driven	fuel	seller_type	transmission	owner	mileage	engine	max_power	torque	seats
Maruti Alto 800 LXI Opt	2023	410000	10000	Petrol	Individual	Manual	First Owner	19.03 kmpl	999 CC	71.01bhp	96Nm	5
Skoda Slavia 1.0 TSI Ambition	2023	1350000	10000	Petrol	Individual	Manual	First 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
Renault Triber RXT	2022	800000	10000	Petrol	Individual	Manual	Second O...	21.01 kmpl	1197 CC	81.80bhp	113Nm	5
Hyundai Creta SX Diesel AT	2021	1950000	8000	Diesel	Individual	Automatic	First Owner	13.38 kmpl	2993 CC	265 bhp	620N...	5
Renault KWID CLIMBER	2021	567000	5868	Petrol	Individual	Manual	First Owner	18.15 kmpl	998 CC	118.35bhp	172Nm	5
Nissan Magnite XV Premium	2021	850000	2963	Petrol	Individual	Manual	First Owner	32.52 kmpl	998 CC	58.33bhp	78Nm	5
Renault Triber RXZ	2021	785000	11192	Petrol	Individual	Manual	Second O...	12.15 kmpl	1451 CC	141bhp	250Nm	5
Hyundai Tucson Platinum AT	2021	2975000	3600	Petrol	Dealer	Automatic	First Owner	21.01 kmpl	1197 CC	81.80bhp	113Nm	5
Maruti Alto 800 LXI Opt	2021	358000	29751	Petrol	Dealer	Manual	First Owner	19.03 kmpl	999 CC	71.01bhp	96Nm	5
Hyundai i20 Sportz Diesel	2021	977000	13522	Diesel	Individual	Manual	First Owner	18.15 kmpl	2198 CC	182.38bhp	450Nm	5
BMW X7 xDrive 30d DPE	2020	7200000	5000	Diesel	Individual	Automatic	First Owner	13.38 kmpl	2993 CC	265 bhp	620N...	7
Datsun GO T Option	2020	450000	10000	Petrol	Individual	Manual	First Owner	19.02 kmpl	1198 CC	67.05 bhp	104N...	5

car_dekho 1

Que 1) Total cars: To get a count of total record

select count(*) from car_dekho;

Output:



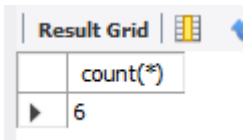
Result Grid

count(*)
7927

Que 2) Manager asked how many cars will be available in 2023?

select count(*) from car_dekho where year=2023;

Output:



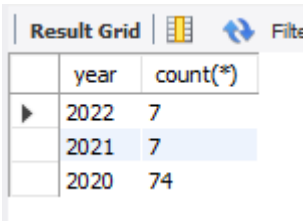
Result Grid

count(*)
6

Que 3) Manager asked how many cars will be available in 2020,2021,2022?

select year, count(*) from car_dekho where year in (2020,2021,2022) group by year;

Output:



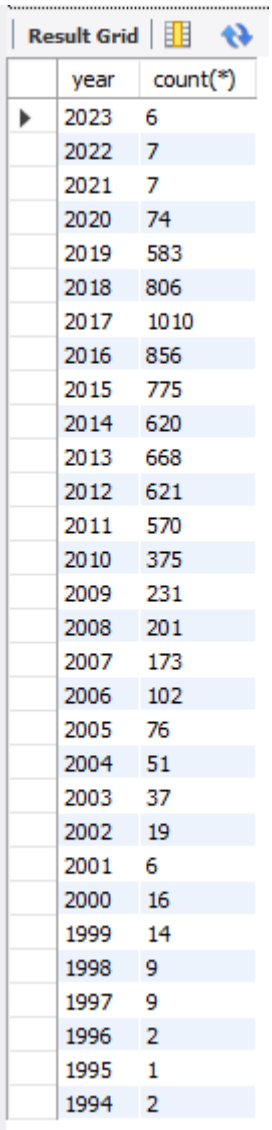
Result Grid

year	count(*)
2022	7
2021	7
2020	74

Que 4) Client asked to print the total of all cars by year?

select year, count (*) from car_dekho group by year;

Output:



Result Grid

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
2011	570
2010	375
2009	231
2008	201
2007	173
2006	102
2005	76
2004	51
2003	37
2002	19
2001	6
2000	16
1999	14
1998	9
1997	9
1996	2
1995	1
1994	2

Que 5) Client asked to car dealer agent how many diesel cars will be available in 2020?

SELECT COUNT(*) FROM car_dekho WHERE year = 2020 AND fuel = 'diesel';

Output:

Result Grid

	COUNT(*)
▶	20

Que 6) Client requested a car dealer agent how many petrol cars will there be in 2020?

select count(*) from car_dekho where year=2020 and fuel="petrol";

Output:

Result Grid

	count(*)
▶	51

Que 7) The manager told the employee to give a print all the fuel cars (petrol, diesel and CNG) come by all year?

select year, count(*) from car_dekho where fuel="petrol" group by year;

select year, count(*) from car_dekho where fuel="diesel" group by year;

select year, count(*) from car_dekho where fuel="CNG" group by year;

Output:

For CNG cars

Result Grid

	year	count(*)
▶	2020	3
	2019	7
	2018	5
	2017	9
	2016	6
	2015	2
	2014	4
	2013	3
	2012	5
	2011	4
	2010	3
	2008	1
	2000	1

For Petrol Cars

year	count(*)
2023	4
2022	5
2021	5
2020	51
2019	352
2018	394
2017	432
2016	429
2015	278
2014	202
2013	203
2012	199
2011	200
2010	184
2009	133
2008	107
2007	96
2006	71
2005	54
2004	41
2003	27
2002	16
2001	6
2000	12
1999	11
1998	9
1997	9
1996	2
1995	1
1994	1

For Diesel Cars

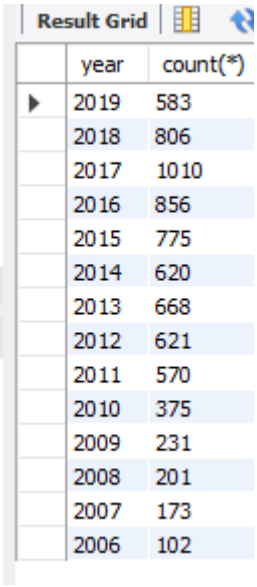
Result Grid

year	count(*)
2023	1
2022	2
2021	2
2020	20
2019	224
2018	407
2017	569
2016	421
2015	493
2014	414
2013	460
2012	407
2011	362
2010	179
2009	98
2008	90
2007	73
2006	30
2005	22
2004	10
2003	10
2002	3
2000	3
1999	3
1994	1

Que 8) Manager said there were more than 100 cars in a given year, which year had more than 100 cars a year?

select year, count(*) from car_dekho group by year having count(*)>100;

Output:



Result Grid

year	count(*)
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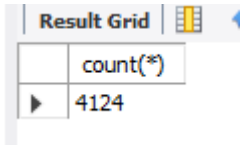
2018	806
2017	1010
2016	856
2015	775
2014	620
2013	668
2012	621
2011	570
2010	375
2009	231
2008	201
2007	173
2006	102

Que 9) Manager said to employee all cars count detail between 2015 and 2023; we need complete list?

select count(*) from car_dekho where year>=2015 and year<=2023;

Output:



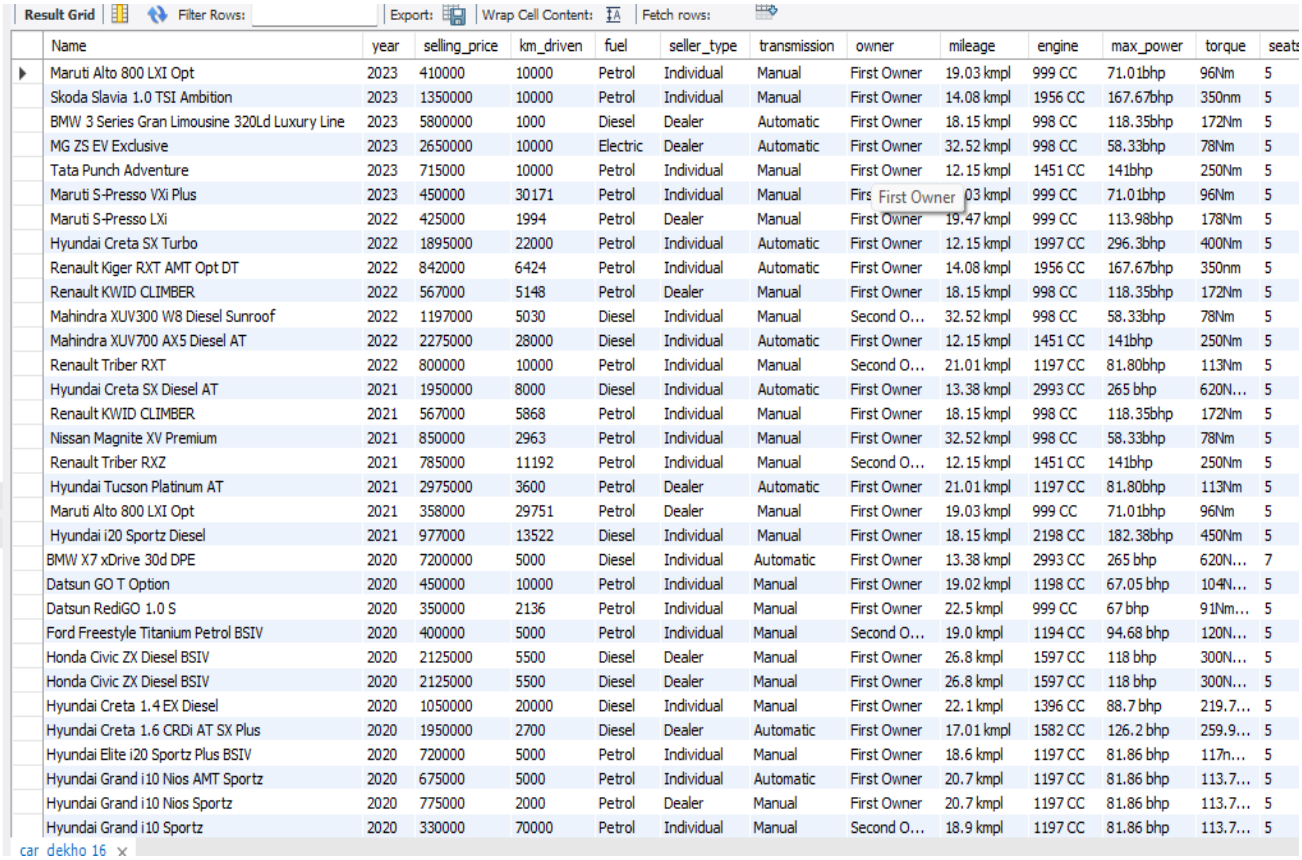
Result Grid

count(*)
4124

Que 10) Manager said to employee all car details between 2015 to 2023 we need complete list--

select * from car_dekho where year between 2015 and 2023;

Output:



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BMW X7 xDrive 30d DPE	2020	7200000	5000	Diesel	Individual	Automatic	First Owner	13.38 kmpl	2993 CC	265 bhp	620N...	7
Datsun GO T Option	2020	450000	10000	Petrol	Individual	Manual	First Owner	19.02 kmpl	1198 CC	67.05 bhp	104N...	5
Datsun RediGO 1.0 S	2020	350000	2136	Petrol	Individual	Manual	First Owner	22.5 kmpl	999 CC	67 bhp	91Nm...	5
Ford Freestyle Titanium Petrol BSIV	2020	400000	5000	Petrol	Individual	Manual	Second O...	19.0 kmpl	1194 CC	94.68 bhp	120N...	5
Honda Civic ZX Diesel BSIV	2020	2125000	5500	Diesel	Dealer	Manual	First Owner	26.8 kmpl	1597 CC	118 bhp	300N...	5
Honda Civic ZX Diesel BSIV	2020	2125000	5500	Diesel	Dealer	Manual	First Owner	26.8 kmpl	1597 CC	118 bhp	300N...	5
Hyundai Creta 1.4 EX Diesel	2020	1050000	20000	Diesel	Individual	Manual	First Owner	22.1 kmpl	1396 CC	88.7 bhp	219.7...	5
Hyundai Creta 1.6 CRDi AT SX Plus	2020	1950000	2700	Diesel	Dealer	Automatic	First Owner	17.01 kmpl	1582 CC	126.2 bhp	259.9...	5
Hyundai Elite i20 Sportz Plus BSIV	2020	720000	5000	Petrol	Individual	Manual	First Owner	18.6 kmpl	1197 CC	81.86 bhp	117n...	5
Hyundai Grand i10 Nios AMT Sportz	2020	675000	5000	Petrol	Individual	Automatic	First Owner	20.7 kmpl	1197 CC	81.86 bhp	113.7...	5
Hyundai Grand i10 Nios Sportz	2020	775000	2000	Petrol	Dealer	Manual	First Owner	20.7 kmpl	1197 CC	81.86 bhp	113.7...	5
Hyundai Grand i10 Sportz	2020	330000	70000	Petrol	Individual	Manual	Second O...	18.9 kmpl	1197 CC	81.86 bhp	113.7...	5

car_dekho 16