**/\* SECOND HAND CAR DEALER PROJECT**

**Steps Covered**

**1. Read Data**

**2. Where**

**3. Having**

**4. Group by year \*/**

create schema cars;

use cars;

**/\* READ DATA \*/**

select \* from `car dekho`;

**/\* Total cars to get a count of total records \*/**

select count(\*) from `car dekho`; #7927

**/\* The manager asked how many cars will be available in 2023\*/**

select count(\*) from `car dekho` where year=2023; #6

**/\* The manager asked how many cars will be available in 2020,2021,2022\*/**

select count(\*) from `car dekho` where year= 2020; #74

select count(\*) from `car dekho` where year= 2021; #7

select count(\*) from `car dekho` where year= 2022; #7

select count(\*) from `car dekho` where year in (2020,2021,2022) group by year;

**/\*Client asked me to print the total of all the cars by year. I don't see all the details\*/**

select year, count(\*) from `car dekho` group by year;

**/\*Client asked car dealer how many diesel cars will be there in 2020\*/**

select count(\*) from `car dekho` where fuel ='Diesel' and year=2020; #20

**/\*Client asked how many petrol cars are there in 2020\*/**

select count(\*) from `car dekho` where fuel ='Petrol' and year=2020; #51

**/\*The manager asked to print all the fuel cars(Petrol, Diesel, 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;

**/\*Manager said there were more than 100 cars in one of the year, which year had more than 100 cars\*/**

select year,count(\*) from `car dekho` group by year having count(\*)>100;

**/\*The manager asked all cars count details between 2015 and 2023, he needs the complete list\*/**

select count(\*) from `car dekho` where year between 2015 and 2023; #4124

**/\*The manager asked for complete details of all the the cars between 2015 and 2023 \*/**

select \* from `car dekho` where year between 2015 and 2023;