Topic name: RTO Database

Description: RTO database consists of information about vehicles and their owner and about officers who were assigned to which vehicle.

**Entity Relationship Diagram**

**Diagram

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**Our database tables.**

**1.RTO Table;**

RTO table consists of details of vehicle which has been passed by RTO. It consists of Registration ID, vehicle owner name, address, Registration date, RTO charges, car ID and ID of the officer who have passed the vehicle.

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And here are the entries….

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**2.Car Details table;**

Car details table is linked to RTO table. It consists of information about the cars which has been through RTO.

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**3.Officer table;**

Officer table consists of information about RTO officers. This helps to maintain a record of which officer was available and when, and who’s handling which case.

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**Let us go through some of subquerys;**

1. To find all the vehicles which has been passed by senior officers.

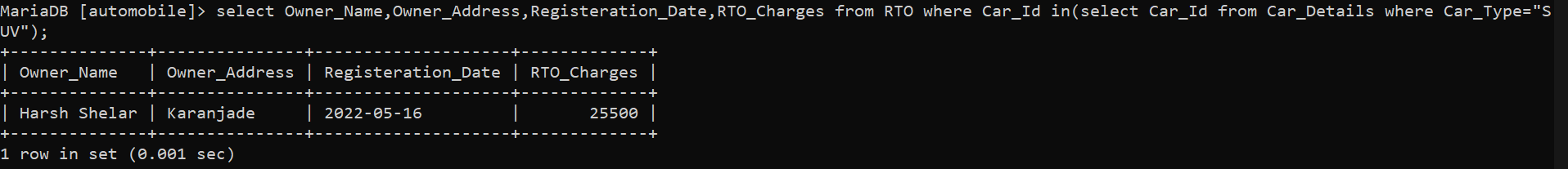
select Owner\_Name,Owner\_Address,Registeration\_Date from RTO where Officer\_Id in (select Officer\_Id from Officer where Designation="Senior Officer");

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1. To find a specific vehicle type which has been passed.

select Owner\_Name,Owner\_Address,Registeration\_Date,RTO\_Charges from RTO where Car\_Id in(select Car\_Id from Car\_Details where Car\_Type="SUV");



**Let us go through some of joins;**

1. To find which officer has passed whose car. (Left Join)

select RTO.Owner\_Name, Officer.Officer\_Name from RTO left join Officer on RTO.Officer\_Id=Officer.Officer\_Id order by Officer\_Name;

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1. To find the car name and type which has been passed by RTO. (Inner join).

select RTO.Owner\_Name, Car\_Details.Car\_Name from RTO inner join Car\_Details on RTO.Car\_Id=Car\_Details.Car\_Id;

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1. To find out car ID, owner name and address. (Right join)

select Car\_Details.Car\_Id, RTO.Owner\_Name, RTO.Owner\_Address from Car\_Details right join RTO on Car\_Details.Car\_Id=RTO.Car\_Id;

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**Let us go through some of views;**

1. This view shows car name, car type and insurance provider for cars whose price is greater than 50,00000.

create view Insurance\_Company as select Car\_Name,Car\_Type,Insurance\_Provider from Car\_Details where ExShowroom\_Price>=5000000;

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