DBMS-Lab-Week1-Car insurance

create database 1BM21CS113\_Insurance;

use 1BM21CS113\_Insurance;

create table Person

(

driver\_id varchar (20),

name varchar (20),

address varchar (30));

alter table Person

add primary key(driver\_id);

create table Car

(

reg\_num varchar (15) primary key,

model varchar (20),

year int);

create table owns

(

driver\_id varchar (20),

reg\_num varchar (15),

primary key (driver\_id, reg\_num),

foreign key(driver\_id) references Person(driver\_id),

foreign key(reg\_num) references Car(reg\_num));

create table Accident

(

report\_num varchar (20) primary key,

accident\_date date,

location varchar (30));

create table participated

(

driver\_id varchar (20),

reg\_num varchar (15),

report\_num varchar (20),

primary key (driver\_id, reg\_num, report\_num),

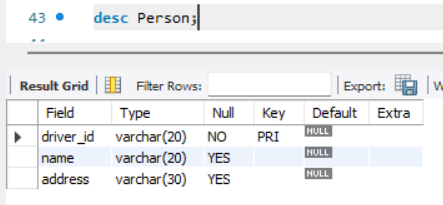
damage\_amount double,

foreign key(driver\_id) references Person(driver\_id),

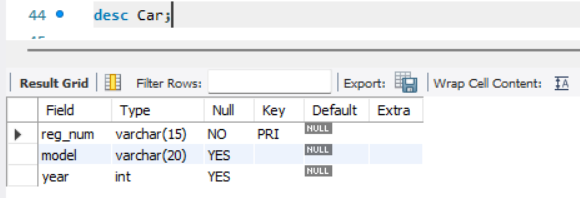
foreign key(reg\_num) references Car(reg\_num),

foreign key(report\_num) references Accident(report\_num));

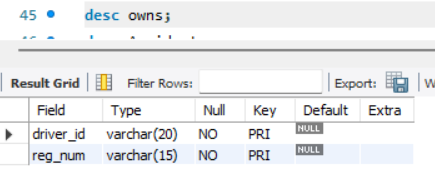
desc Person;

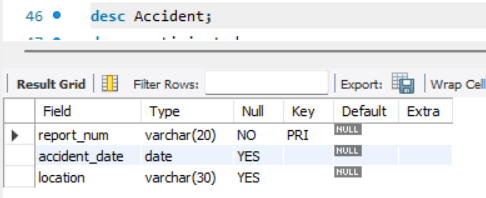


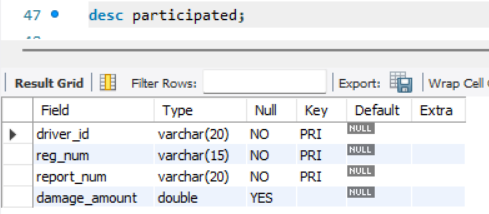
desc Car;



desc owns;



desc Accident;

desc participated;

insert into Person values ('A01', 'Ramesh','RR nagar');

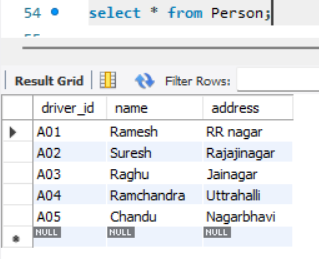
insert into Person values ('A02', 'Suresh', 'Rajajinagar');

insert into Person values ('A03', 'Raghu', 'Jainagar');

insert into Person values ('A04', 'Ramchandra', 'Uttrahalli');

insert into Person values ('A05','Chandu','Nagarbhavi');

select \* from Person;



insert into Car values('KA04MB2345','Q1',2013);

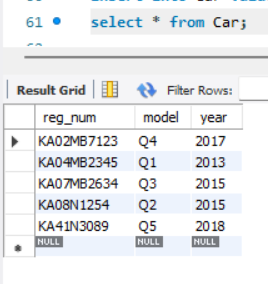
insert into Car values('KA08N1254','Q2',2015);

insert into Car values('KA07MB2634','Q3',2015);

insert into Car values('KA02MB7123','Q4',2017);

insert into Car values('KA41N3089','Q5',2018);

select \* from Car;



insert into owns values('A01','KA04MB2345');

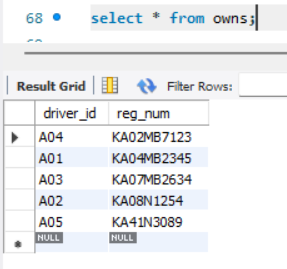
insert into owns values('A02','KA08N1254');

insert into owns values('A03','KA07MB2634');

insert into owns values('A04','KA02MB7123');

insert into owns values('A05','KA41N3089');

select \* from owns;



insert into Accident values('01', '2022-01-24', 'Banglore');

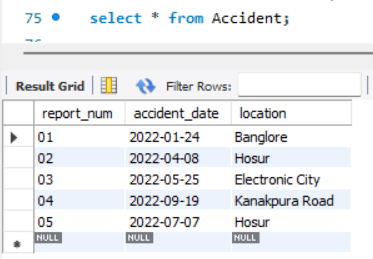
insert into Accident values('02', '2022-04-8', 'Hosur');

insert into Accident values('03', '2022-05-25', 'Electronic City');

insert into Accident values('04', '2022-09-19', 'Kanakpura Road');

insert into Accident values('05', '2022-07-07', 'Hosur');

select \* from Accident;



insert into participated values('A01','KA04MB2345','01',25000);

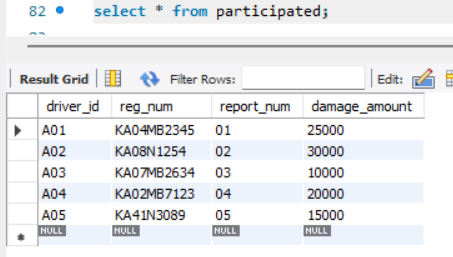
insert into participated values('A02','KA08N1254','02',30000);

insert into participated values('A03','KA07MB2634','03',10000);

insert into participated values('A04','KA02MB7123','04',20000);

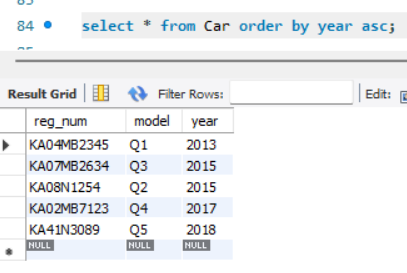
insert into participated values('A05','KA41N3089','05',15000);

select \* from participated;



**Queries:**

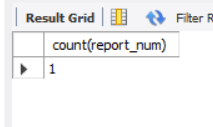
1. select \* from Car order by year asc;



2. select count(report\_num)

from Car c, participated p

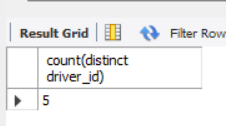
where c.model='Q1'and c.reg\_num=p.reg\_num;



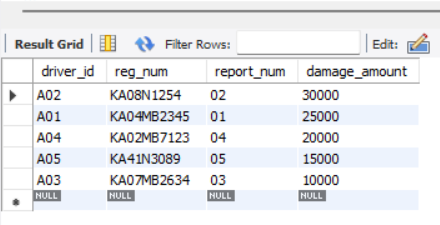
3. select count(distinct driver\_id)

from participated p, accident a

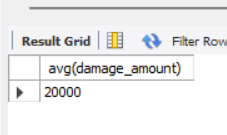
where p.report\_num=a.report\_num and a.accident\_date like '\_\_22%';



4.select \* from participated order by damage\_amount desc;



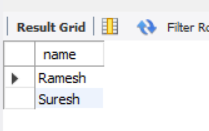
5. select avg(damage\_amount) from participated;



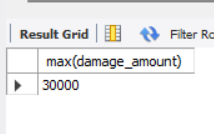
6. select p.name

from Person p, participated par

where p.driver\_id=par.driver\_id and par.damage\_amount>(select avg(damage\_amount) from participated);



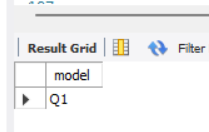
7.select max(damage\_amount) from participated;



8.select c.model (on spot question)

from Accident a, participated p, Car c

where p.report\_num=a.report\_num and p.reg\_num=c.reg\_num and a.location='Banglore';



9.delete from participated

where damage\_amount<(select t.amt from (select avg(damage\_amount) as amt from participated) t);

select \* from participated;

