create database insurance\_CS154;

use insurance\_CS154;

create table insurance\_CS154.person(

driver\_id varchar(20),

name varchar(30),

adress varchar(50),

PRIMARY KEY(driver\_id)

);

create table insurance\_CS154.car(

reg\_num varchar(15),

model varchar(10),

year int,

PRIMARY KEY(reg\_num)

);

create table insurance\_CS154.accident(

report\_num int,

accident\_date date,

location varchar(50),

PRIMARY KEY(report\_num)

);

create table insurance\_CS154.owns(

driver\_id varchar(20),

reg\_num varchar(10),

PRIMARY KEY(driver\_id,reg\_num),

FOREIGN KEY(driver\_id)REFERENCES person(driver\_id),

FOREIGN KEY(reg\_num)REFERENCES car(reg\_num)

);

create table insurance\_CS154.participated(

driver\_id varchar(20),

reg\_num varchar(10),

report\_num int,

damage\_amount int,

PRIMARY KEY(driver\_id,reg\_num,report\_num),

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 accident;

desc participated;

desc car;

desc owns;

insert into person values("A01","Richard","Srinivas nagar");

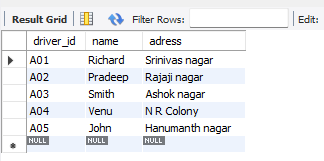
insert into person values("A02","Pradeep","Rajaji nagar");

insert into person values("A03","Smith","Ashok nagar");

insert into person values("A04","Venu","N R Colony");

insert into person values("A05","John","Hanumanth nagar");

select \* from person;



insert into car values("KA052250","Indica","1990");

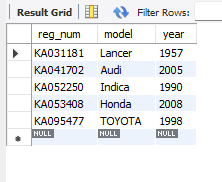
insert into car values("KA031181","Lancer","1957");

insert into car values("KA095477","TOYOTA","1998");

insert into car values("KA053408","Honda","2008");

insert into car values("KA041702","Audi","2005");

select \* from car;



insert into owns values("A01","KA052250");

insert into owns values("A02","KA031181");

insert into owns values("A03","KA095477");

insert into owns values("A04","KA053408");

insert into owns values("A05","KA041702");

select \* from owns;

insert into accident values(11,'2003-01-01',"Mysore Road");

insert into accident values(12,'2004-02-02',"South end Circle");

insert into accident values(13,'2003-01-21',"Bull temple road");

insert into accident values(14,'2008-02-17',"Mysore Road");

insert into accident values(15,'2004-03-05',"Kanakpura Road");

select \* from accident;

insert into participated values("A01","Ka052250",11,10000);

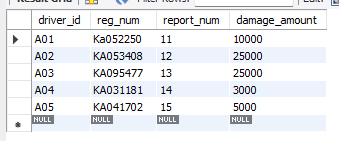
insert into participated values("A02","KA053408",12,50000);

insert into participated values("A03","KA095477",13,25000);

insert into participated values("A04","KA031181",14,3000);

insert into participated values("A05","KA041702",15,5000);

select \* from participated;



update participated

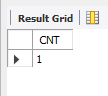
set damage\_amount=25000

where reg\_num='KA053408' and report\_num=12;

select count(distinct driver\_id) CNT

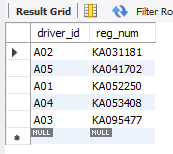
from participated a, accident b

where a.report\_num=b.report\_num and b.accident\_date like '2008%';

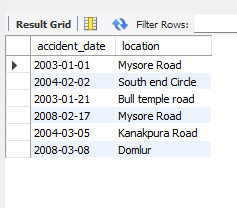


insert into accident values(16,'2008-03-08','Domlur');

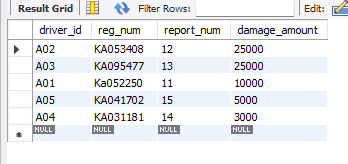
SELECT \* FROM PARTICIPATED ORDER BY DAMAGE\_AMOUNT DESC;



select accident\_date,location from accident;



SELECT \* FROM PARTICIPATED ORDER BY DAMAGE\_AMOUNT DESC;

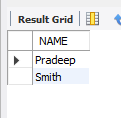


DELETE FROM PARTICIPATED WHERE

DAMAGE\_AMOUNT < (SELECT AVG (DAMAGE\_AMOUNT) FROM (select avg(damage\_amount) as avg\_damage from PARTICIPATED);

SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER\_ID = B.DRIVER\_ID AND

DAMAGE\_AMOUNT > (SELECT AVG(DAMAGE\_AMOUNT) FROM PARTICIPATED);



SELECT MAX(DAMAGE\_AMOUNT) FROM PARTICIPATED;

