show databases;

create database amarinsurence;

use amarinsurence;

create table person (driver\_id varchar(10),

name varchar(20),

address varchar(30),

primary key(driver\_id));

desc person;

create table car(reg\_num varchar(10),model varchar(10),year int, primary key(reg\_num));

desc car;

create table accident(report\_num int, accident\_date date, location varchar(20),primary

key(report\_num));

desc accident;

create table owns(driver\_id varchar(10),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));

desc owns;

create table participated(driver\_id varchar(10), 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 participated;

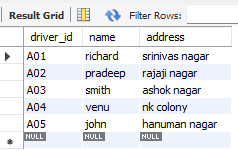
insert into person values("A01","richard","srinivas nagar"),

("A02","pradeep","rajaji nagar"),

("A03","smith","ashok nagar"),

("A04","venu","nk colony"),

("A05","john","hanuman nagar");



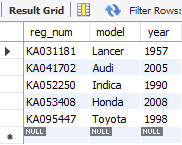
insert into car values("KA052250","Indica",1990),

("KA031181","Lancer",1957),

("KA095447","Toyota",1998),

("KA053408","Honda",2008),

("KA041702","Audi",2005);



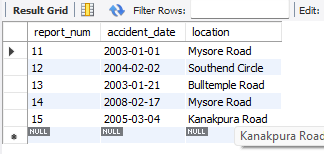
insert into accident values(11,"2003-01-01","Mysore Road"),

(12, "2004-02-02","Southend Circle"),

(13,"2003-01-21","Bulltemple Road"),

(14,"2008-02-17","Mysore Road"),

(15,"2005-03-04","Kanakpura Road");



INSERT INTO owns VALUES("A01", "KA052250"),

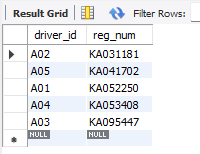
("A02", "KA031181"),

("A03", "KA095447"),

("A04", "KA053408"),

("A05", "KA041702");

select \* from owns;



insert into participated values("A01","KA052250",11,10000),

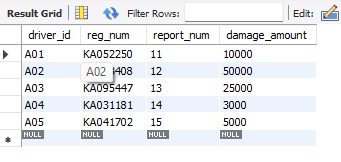
("A02","KA053408",12,50000),

("A03","KA095447",13,25000),

("A04","KA031181",14,3000),

("A05","KA041702",15,5000);

select \* from participated;

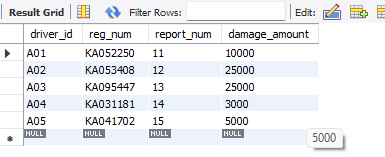


update participated

set damage\_amount = 25000

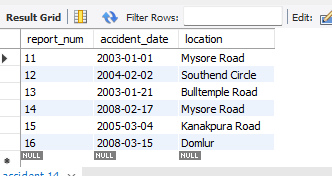
where reg\_num = 'KA053408' AND report\_num = '12';

select \* from participated;

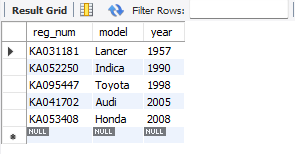


insert into accident values (16 , '2008-03-15','Domlur');

select \* from accident;



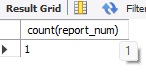
select \* from car order by year asc;



select count(report\_num)

from car c, participated p

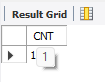
where c.reg\_num=p.reg\_num and c.model='Lancer';

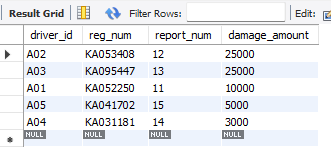


select count(distinct driver\_id) CNT

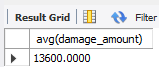
from participated a, accident b

where a.report\_num=b.report\_num and b.accident\_date like '\_\_08%';

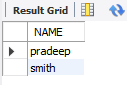


select \* from participated order by damage\_amount desc; 

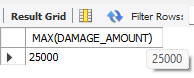
select avg(damage\_amount) from participated;



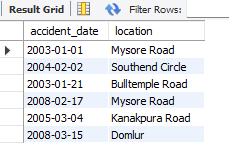
SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER\_ID = B.DRIVER\_ID AND DAMAGE\_AMOUNT>(SELECT AVG(DAMAGE\_AMOUNT) FROM PARTICIPATED);



SELECT MAX(DAMAGE\_AMOUNT) FROM PARTICIPATED;



select accident\_date , location from accident;

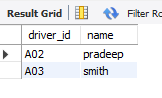


SELECT DISTINCT p.driver\_id, p.name

FROM person p

JOIN participated pa ON p.driver\_id = pa.driver\_id

WHERE pa.damage\_amount >= 25000;

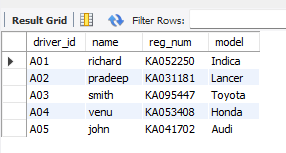


SELECT p.driver\_id, p.name, c.reg\_num, c.model

FROM person p

JOIN owns o ON p.driver\_id = o.driver\_id

JOIN car c ON o.reg\_num = c.reg\_num;



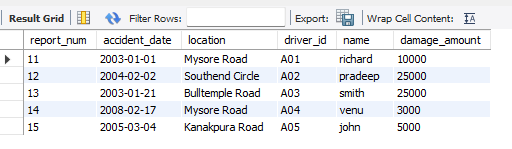
SELECT a.report\_num, a.accident\_date, a.location,

p.driver\_id, p.name, pa.damage\_amount

FROM accident a

JOIN participated pa ON a.report\_num = pa.report\_num

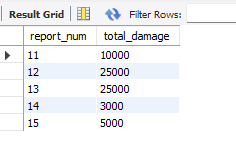
JOIN person p ON pa.driver\_id = p.driver\_id;



SELECT report\_num, SUM(damage\_amount) AS total\_damage

FROM participated

GROUP BY report\_num;



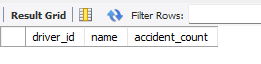
SELECT p.driver\_id, p.name, COUNT(DISTINCT pa.report\_num) AS accident\_count

FROM person p

JOIN participated pa ON p.driver\_id = pa.driver\_id

GROUP BY p.driver\_id, p.name

HAVING COUNT(DISTINCT pa.report\_num) > 1;



SELECT c.reg\_num, c.model

FROM car c

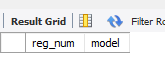
JOIN owns o ON c.reg\_num = o.reg\_num

WHERE c.reg\_num NOT IN (

SELECT reg\_num

FROM participated

);

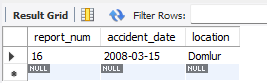


SELECT \*

FROM accident

ORDER BY accident\_date DESC

LIMIT 1;

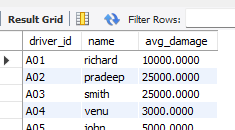


SELECT p.driver\_id, p.name, AVG(pa.damage\_amount) AS avg\_damage

FROM person p

JOIN participated pa ON p.driver\_id = pa.driver\_id

GROUP BY p.driver\_id, p.name;

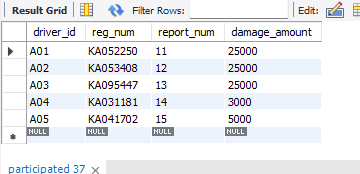


UPDATE participated

SET damage\_amount = 25000

WHERE reg\_num = 'KA052250' AND report\_num = 11;

select \* from participated;



SELECT p.driver\_id, p.name, pa.report\_num, pa.damage\_amount

FROM participated pa

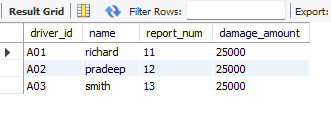
JOIN person p ON pa.driver\_id = p.driver\_id

WHERE pa.damage\_amount = (

SELECT MAX(damage\_amount)

FROM participated

);



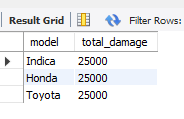
SELECT c.model, SUM(pa.damage\_amount) AS total\_damage

FROM car c

JOIN participated pa ON c.reg\_num = pa.reg\_num

GROUP BY c.model

HAVING SUM(pa.damage\_amount) > 20000;



CREATE VIEW accident\_summary1 AS

SELECT a.report\_num, a.accident\_date, a.location,

COUNT(pa.driver\_id) AS participant\_count,

SUM(pa.damage\_amount) AS total\_damage

FROM accident a

LEFT JOIN participated pa ON a.report\_num = pa.report\_num

GROUP BY a.report\_num, a.accident\_date, a.location;

select \* from accident\_summary1;

