create database insurance;

use insurance;

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));

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 (driver\_id, name, address)

VALUES

('A01', 'Richard','Srinivas agar'),

('A02', 'Pradeep','Rajajinagar'),

('A03', 'Smith','Ashoknagar'),

('A04', 'Venu','N R Colony'),

('A05', 'Jhon','Hanumanthnagar');

select\*from person;

INSERT INTO car (reg\_num, model, year)

VALUES

('KA052250', 'Indica', 1990),

('KA031181', 'Lancer', 1957),

('KA095477', 'Toyota', 1998),

('KA053408', 'Honda', 2008),

('KA041702', 'Audi', 2005);

select\*from car;

INSERT INTO owns (driver\_id, reg\_num)

VALUES

('A01', 'KA052250'),

('A02', 'KA053408'),

('A03', 'KA031181'),

('A04', 'KA095477'),

('A05', 'KA041702');

select\*from owns;

INSERT INTO accident (report\_num, accident\_date, location)

VALUES

(11, '2003-01-01', 'Mysore Road'),

(12, '2004-02-02', 'South end Circle'),

(13, '2003-01-21', 'Bull temple Road'),

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

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

select\*from accident;

INSERT INTO participated (driver\_id, reg\_num, report\_num, damage\_amount)

VALUES

('A01', 'KA052250', 11, 10000),

('A02', 'KA053408', 12, 50000),

('A03', 'KA095477', 13, 25000),

('A04', 'KA031181', 14, 3000),

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

select\*from participated;

select accident\_date, location from accident;

select \* from participated;

select driver\_id, damage\_amount from participated where damage\_amount>=25000;

update participated set damage\_amount=25000 where report\_num=12;

select\*from accident;

insert into accident(report\_num, accident\_date, location)

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

select accident\_date, location from ACCIDENT;

select driver\_id from PARTICIPATED where damage\_amount >=25000;

/\*DBMS LAB 3\*/

select accident\_date, location from accident;

select\*from participated where damage\_amount>=25000;

select p.name, pa.reg\_num

from person p, participated pa

where p.driver\_id=pa.driver\_id;

select a.report\_num, a.accident\_date, a.location, p.name, pa.damage\_amount

from accident a, person p, participated pa

where a.report\_num=pa.report\_num and pa.driver\_id=p.driver\_id;

select driver\_id, sum(damage\_amount)

from participated group by(driver\_id);

select driver\_id

from participated

group by (driver\_id) having count(driver\_id)>1;

select driver\_id

from owns

where driver\_id not in (select driver\_id

from participated);

select max(accident\_date)

from accident;

select driver\_id , avg(damage\_amount)

from participated group by(driver\_id);

update participated set damage\_amount=25000

where driver\_id="A04";

select car.model , p.damage\_amount

from car, participated p

where car.reg\_num=p.reg\_num and p.damage\_amount>=25000;

create view summary as select driver\_id, count(driver\_id), sum(damage\_amount)

from participated

group by(driver\_id);

select \* from summary;

/\*Problems of week 2 dbms lab queries \*/

desc car;

select \* from car order by year;

select car.model, count(p.reg\_num) as "No.Accidents"

from car, participated p

where p.reg\_num=car.reg\_num

group by(p.reg\_num);

select count(reg\_num) as count

from car where year=2008

group by (reg\_num);

/\*select car.model, count(p.reg\_num), a.accident\_date from car, participated p,accident a where p.reg\_num=car.reg\_num and

a.report\_num=p.report\_num and a.accident\_date like "2008%" group by(p.reg\_num);\*/

select c.model, count(p.reg\_num) as count

from car c, participated p, accident a

where c.reg\_num =p.reg\_num

and a.report\_num=p.report\_num

and a.accident\_date like "2008%" group by(c.model);

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

select avg(damage\_amount) from participated;

DELETE p

FROM participated p

JOIN (

SELECT AVG(damage\_amount) AS avg\_damage

FROM participated

) avg\_table

WHERE p.damage\_amount < avg\_table.avg\_damage;

rollback;

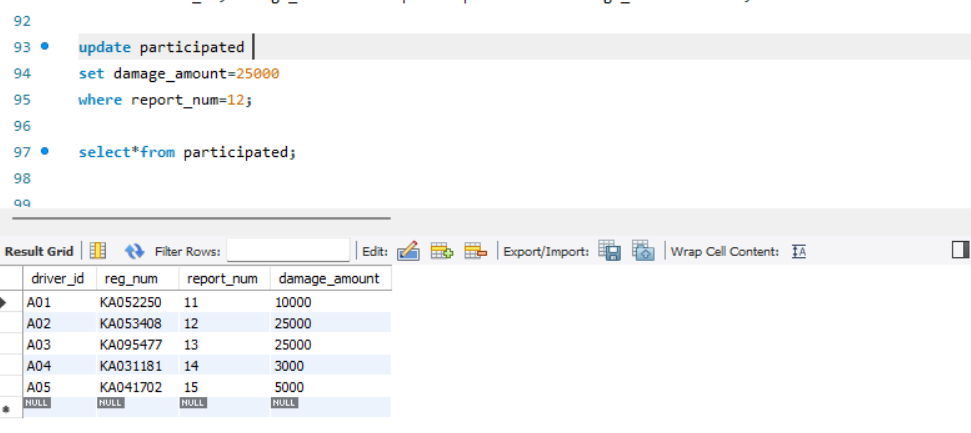
select\*from participated;

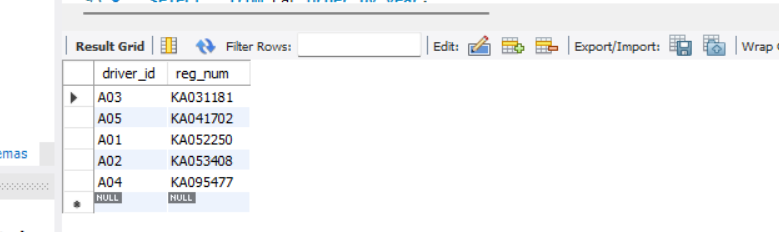
select name from person a , participated b where a.driver\_id=b.driver\_id and damage\_amount>(select avg(damage\_amount) from participated);

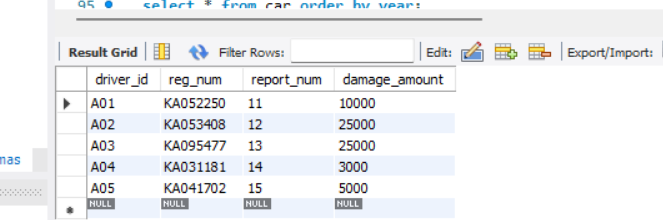
select max(damage\_amount) from participated;

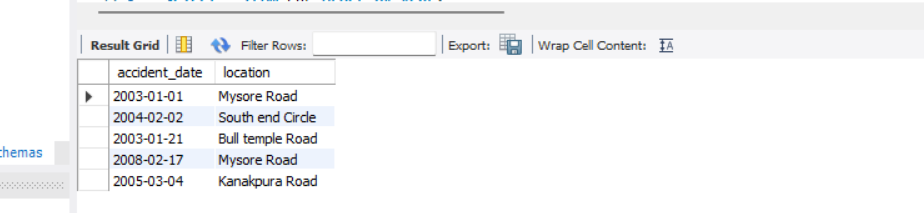
Outputs :

----week 1 outputs-----









----Week 2 ----- outputs for given queries :

