INSURANCE DATABASE

**Question**

(Week 1)

- PERSON (driver\_id: String, name: String, address: String)

- CAR (reg\_num: String, model: String, year: int)

- ACCIDENT (report\_num: int, accident\_date: date, location: String)

- OWNS (driver\_id: String, reg\_num: String)

- PARTICIPATED (driver\_id: String,reg\_num: String, report\_num: int, damage\_amount:

int)

- Create the above tables by properly specifying the primary keys and the foreign keys. -

Enter at least five tuples for each relation

- Display Accident date and location

- Update the damage amount to 25000 for the car with a specific reg\_num (example &#39;K

A053408&#39; ) for which the accident report number was 12.

- Add a new accident to the database.

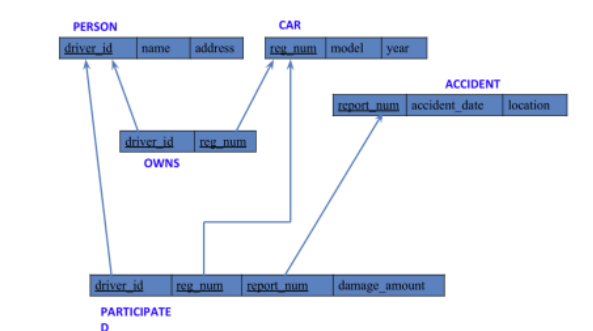
- To Do

- Display Accident date and location

- Display driver id who did accident with damage amount greater than or equal to

Rs.25000

**Schema Diagram**



**Create database**

create database insurance1;

use insurance1;

**Create table**

create table person1 (

driver\_idvarchar(10),

name varchar(20),

address varchar(30),

primary key(driver\_id)

);

create table accident1 (

report\_num int,

accident\_date date,

location varchar(20),

primary key(report\_num)

);

create table car1 (

reg\_numvarchar(10),

model varchar(10),

year int,

primary key(reg\_num)

);

create table participated1 (

driver\_idvarchar(10),

reg\_numvarchar(10),

report\_num int,

damage\_amount int,

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

foreign key(driver\_id) references person1(driver\_id),

foreign key(reg\_num) references car1(reg\_num),

foreign key(report\_num) references accident1(report\_num)

);

create table owns1 (

driver\_idvarchar(10),

reg\_numvarchar(10),

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

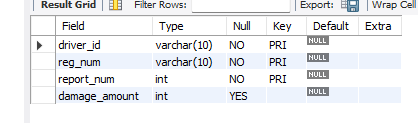
foreign key(driver\_id) references person1(driver\_id),

foreign key(reg\_num) references car1(reg\_num)

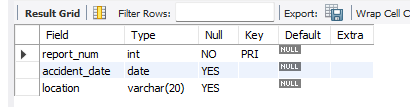
);

**Structure of the table**

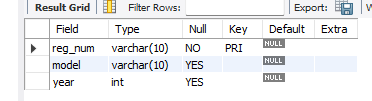
DESC person1;



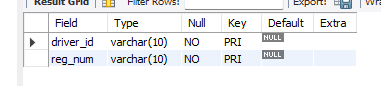
DESC accident1;



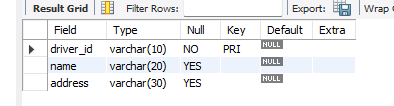
DESC car1;



DESC participated1;



DESC owns1;



**Inserting Values to the table**

insert into person1 values ('A01','RICHARD','SRINIVAS NAGAR');

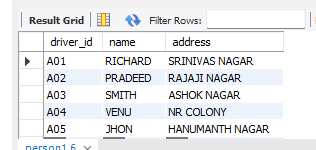
insert into person1 values ('A02','PRADEED','RAJAJI NAGAR');

insert into person1 values ('A03','SMITH','ASHOK NAGAR');

insert into person1 values ('A04','VENU','NR COLONY');

insert into person1 values ('A05','JHON','HANUMANTH NAGAR');

select \* from person1;



insert into accident1 values(11,'2003-01-01','mysore road');

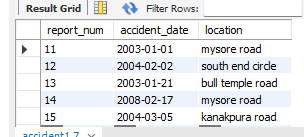
insert into accident1 values(12,'2004-02-02','south end circle');

insert into accident1 values(13,'2003-01-21','bull temple road');

insert into accident1 values(14,'2008-02-17','mysore road');

insert into accident1 values(15,'2004-03-05','kanakpura road');

select \* from accident1;



insert into car values(“KA052250”,”Indica”, “1990”);

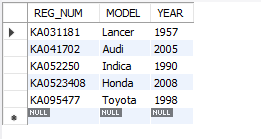
insert into car values(“KA031181”,”Lancer”, “1957”);

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 owns1 values('A01','KA052250');

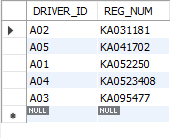
insert into owns1 values('A02','KA053408');

insert into owns1 values('A03','KA031181');

insert into owns1 values('A04','KA041702');

insert into owns1 values('A05','KA095477');

select \* from owns1;



insert into participated1 values('A01','KA052250',11,10000);

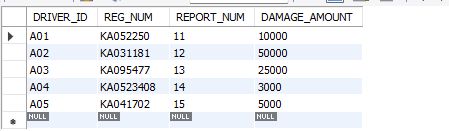
insert into participated1 values('A02','KA053408',12,50000);

insert into participated1 values('A03','KA031181',13,25000);

insert into participated1 values('A04','KA041702',14,3000);

insert into participated1 values('A05','KA095477',15,5000);

select \* from participated1;



**Queries**

1).Update the damage amount to 25000 for the car with a specific reg-num (example ‘KA053408’) for which the accident report number was 12.

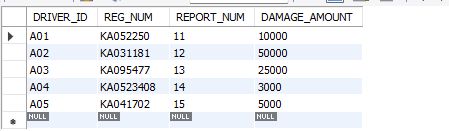
update participated

set damage\_amount=25000

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

commit;

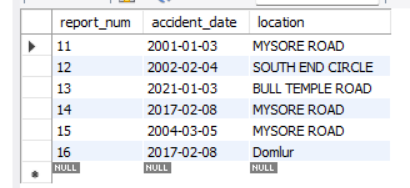
select \* from participated1;



2). Add a new accident to the database.

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

select \* from accident;



3). Display driver id who did accident with damage amount greater than or equal to Rs.25000

`select driver id from participated1 where damage\_amount >= 25000;

