**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

**-** Update the damage amount to 25000 for the car with a specific reg\_num (example 'K A053408' ) for which the accident report number was 12.

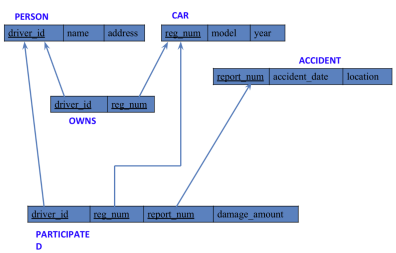
**-** Add a new accident to the database.

**-** 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**

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**Create database**

create database bhoomika\_cs068;

use bhoomika\_cs068;

**Create table**

create table person (

driver\_id varchar(10),

name varchar(20),

address varchar(20),

primary key(driver\_id)

);

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)

);

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)

);

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),

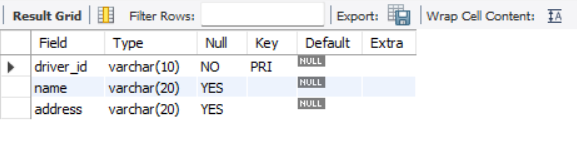
foreign key (reg\_num) references car(reg\_num),

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

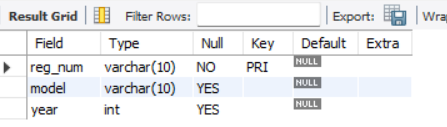
);

**Structure of the table**

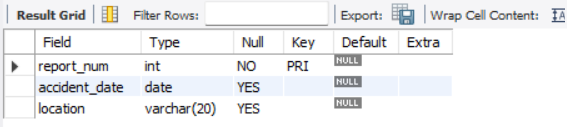
desc person;



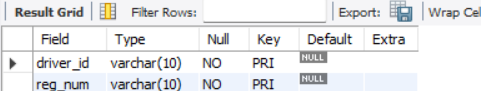
desc car;



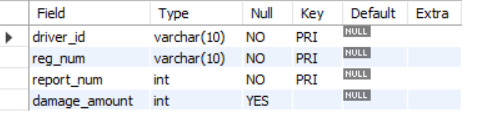
desc accident;



desc owns;



desc participated;



**Inserting Values to the table**

insert into person

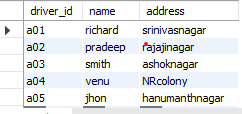
values(‘a01’,’richard’,’srinivasnagar’),

(‘a02’,’pradeep’,’rajajinagar’),

(‘a03’,’smith’,’ ashoknagar’),

(‘a04’,’venu’,’NRcolony’),

(‘a05’,’jhon’,’hanumanthnagar’);



insert into car

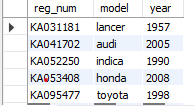
values ('KA052250', 'indica',1990),

('KA031181','lancer',1957),

('KA095477','toyota',1998),

('KA053408','honda',2008),

('KA041702','audi',2005);



insert into accident

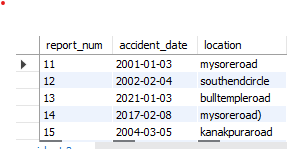
values(11,'2001-01-03','mysoreroad'),

(12,'2002-02-04','southendcircle'),

(13,'2021-01-03','bulltempleroad'),

(14,'2017-02-08','mysoreroad)'),

(15,'2004-03-05','kanakpuraroad');



insert into owns

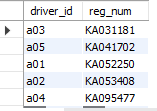
values('a01','KA052250'),

('a02','KA053408'),

('a03','KA031181'),

('a04','KA095477'),

('a05','KA041702');



insert into participated

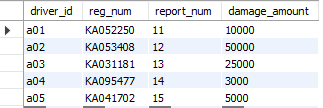
values('a01','KA052250',11,10000),

('a02','KA053408',12,50000),

('a03','KA031181',13,25000),

('a04','KA095477',14,3000),

('a05','KA041702',15,5000);

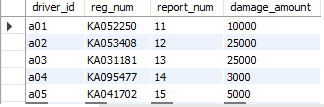


**Queries**

* 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

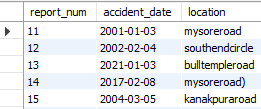
where reg\_num='KA053408' and report\_num=12;



* Add a new accident to the database.

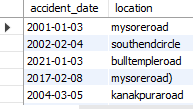
insert into accident

values (16,'2015-03-08','domlur');



* Display Accident date and location

select accident\_date ,location from accident;



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

select driver\_id from participated

where damage\_amount>=25000;

