## Insurance Database

**Question**

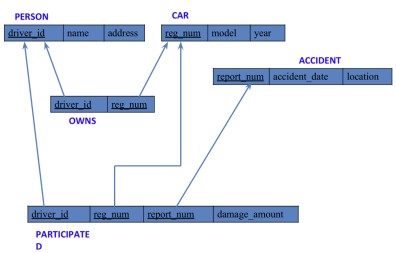
* PERSON (driver\_id: String, name: String, address: String)
* CAR (reg\_num: String, model: String, year: int)
* ACCIDENT (report\_num: int, accident\_date: date, location: String)
* OWNS (driver\_id: String, reg\_num: String)
* PARTICIPATED (driver\_id: String,reg\_num: String, report\_num: int, damage\_amount: 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 'K A031181' ) 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 insurance\_1BM23CS081;

### use insurance\_1BM23CS081;

### Create table

create table PERSON\_081(

driver\_id varchar(20),

name varchar(30),

address varchar(100),

primary key (driver\_id));

create table CAR\_081(

reg\_num varchar(20),

model varchar (10),

year int,

Primary key (req\_num));

create table ACCIDENT\_081(

report\_num int,

accident\_date date,

location varchar (100),

primary key (report\_num));

create table OWNS\_081(

driver\_id varchar(20),

reg\_num varchar(20),

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

foreign key (driver\_id) references PERSON\_081 (driver\_id),

foreign key (reg\_num) references CAR\_081(reg\_num));

create table PARTICIPATED\_081(

driver\_id varchar (20),

reg\_num varchar(20),

report\_num int,

damage\_amount int,

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

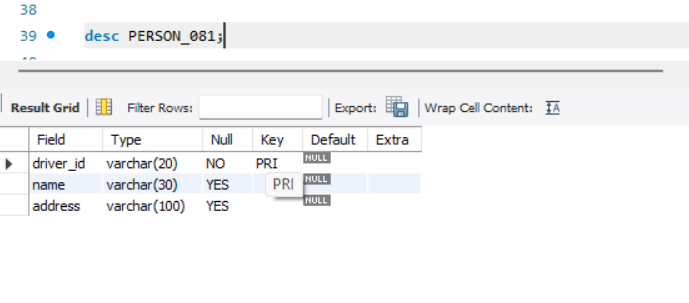
foreign key (driver\_id) references PERSON\_081 (driver\_id),

foreign key (reg\_num) references CAR\_081 (reg\_num),

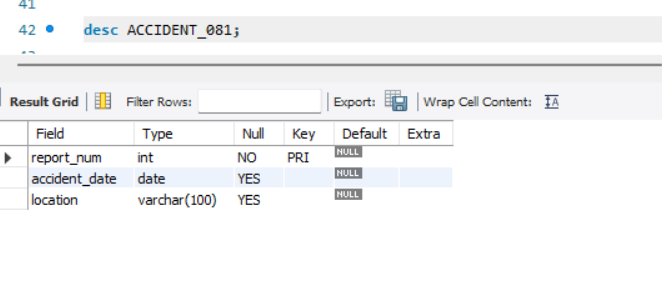
foreign key (report\_num) references ACCIDENT\_081 (report\_num));

### Structure of the table

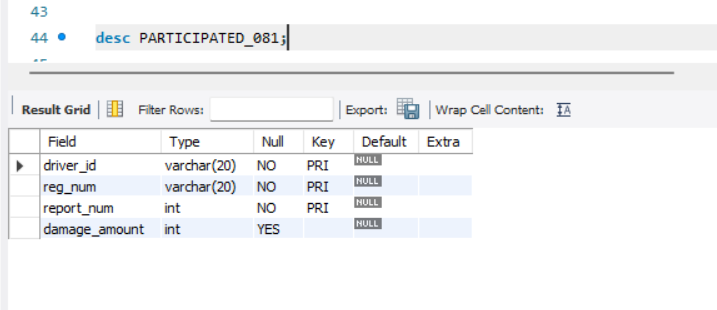
PERSON\_081



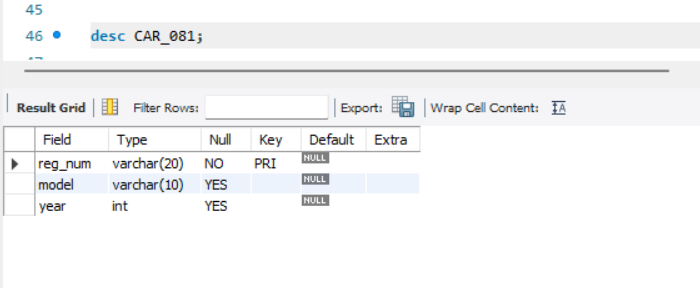
ACCIDENT\_081



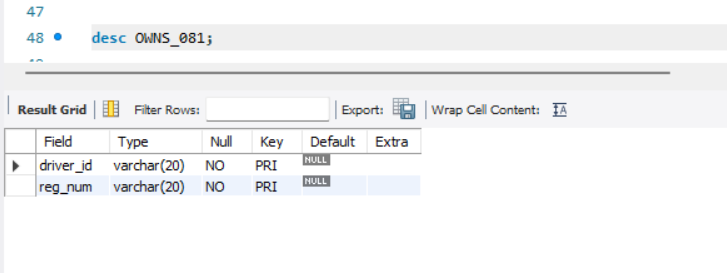
PARTICIPATED\_081



CAR\_081



OWNS\_081



### Inserting Values into the table

insert into PERSON\_081 values

("A01", "Richard", "Sri Nagar"),

("A02", "Pradeep", "Raj Nagar"),

("A03", "Smith", "Ashok Nagar"),

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

("A05", "John", "Hanu Nagar");

insert into CAR\_081 values

("KA052250", "Indica", 1990),

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

("KA095477", "Toyota", 1998),

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

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

insert into OWNS\_081 values

("A01", "KA052250"),

("A02", "KA031181"),

("A03", "KA095477"),

("A04", "KA053408"),

("A05", "KA041702");

insert into ACCIDENT\_081 values

(11, "01-01-03", "Mysore Rd"),

(12, "02-02-04", "SE Circle"),

(13, "21-01-03", "Bull Temple Rd"),

(14, "17-02-08", "Mysore Rd"),

(15, "04-03-05", "KR Puram");

insert into PARTICIPATED\_081 values

("A01", "KA052250", 11, 10000),

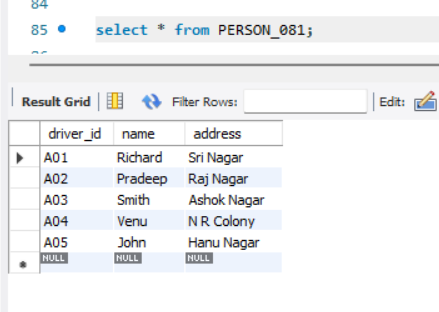
("A02", "KA031181", 12, 50000),

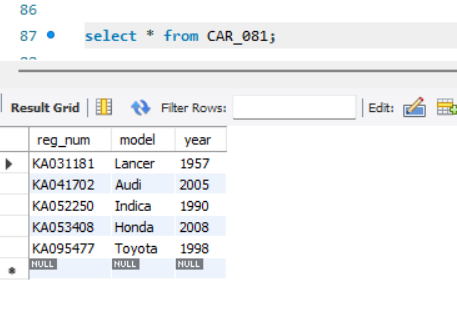
("A03", "KA053408", 13, 25000),

("A04", "KA095477", 14, 3000),

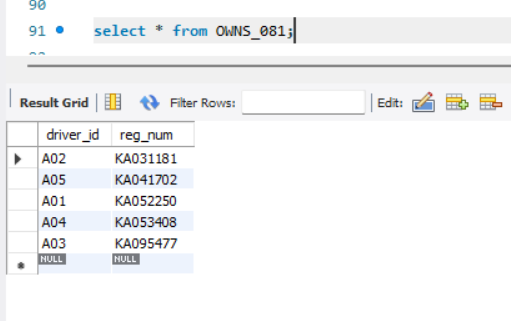
("A05", "KA041702", 15, 5000);

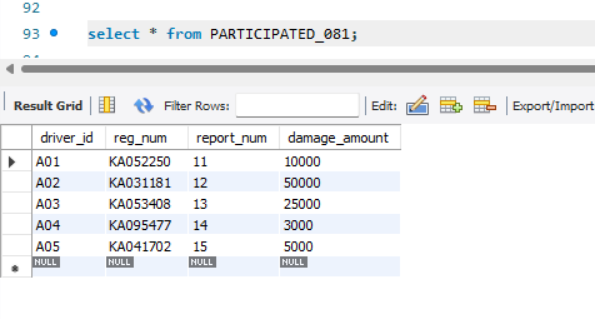
**INSERTED VALUES**

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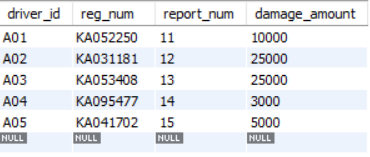




### Queries

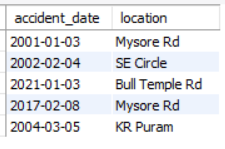
**1. Update the damage amount to 25000 for the car with a specific reg-num (example 'KA031181' ) for which the accident report number was 12.**

Query : update PARTICIPATED\_081 set damage\_amount = 25000 where reg\_num = "KA031181" and report\_num = 12;



**2.** **Display Accident date and location**

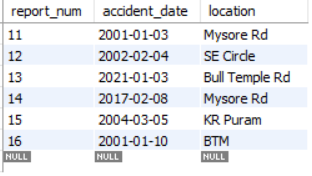
Query : select accident\_date, location from ACCIDENT\_081;



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

Query : insert into ACCIDENT\_081

values (16, "01-01-10", "BTM");



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

Query : select driver\_id

from PARTICIPATED\_081

where damage\_amount >=25000;

