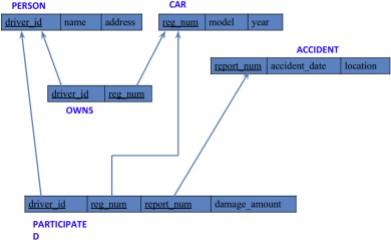
## **Insurance Database**

### **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 '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** insurances\_410;

**use** insurances\_410;

### **Create table**

**create table** person(

driver\_id varchar(3) **primary key,** name varchar(20) **not null**, address varchar(100)

);

**create table** car(

reg\_no char(8) **primary key,**

model varchar(20), year int(4) **not null**

);

**create table** accident(

report\_no int(4) **primary key,**

accident\_date date, location varchar(100)

);

**create table** owns( driver\_id varchar(3), reg\_no char(8),

**foreign key**(driver\_id) **references** person(driver\_id),

**foreign key**(reg\_no) **references** car(reg\_no)

);

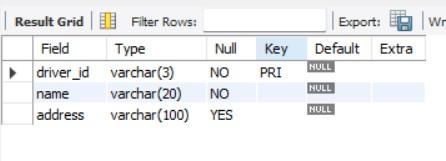
**create table** participated( driver\_id varchar(3), reg\_no char(8),

report\_no int(4), damage\_amt int,

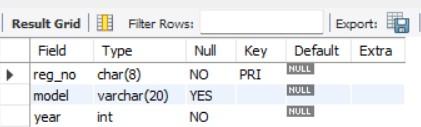
foreign **key**(driver\_id) **references** person(driver\_id), foreign **key**(reg\_no) **references** car(reg\_no),

foreign **key** (report\_no) **references** accident(report\_no)

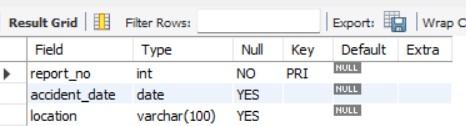
);

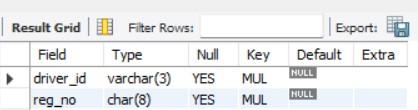
**Person table :**

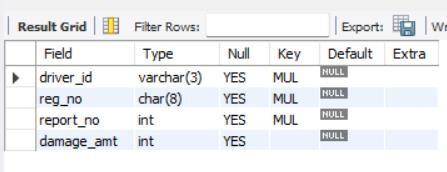
**Car table :**



**Accident table :**



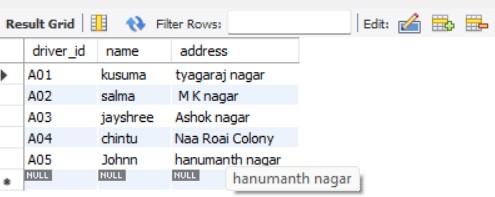
**Owns table :**

**Participated table :**

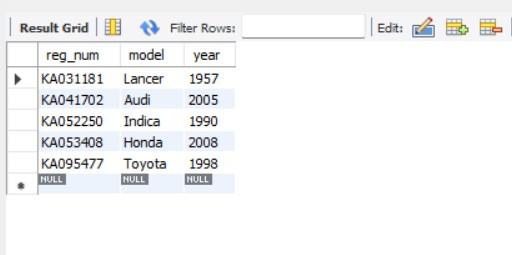
### **Inserting Values into the table**

insert into person values("A01","kusuma", "tyagaraj nagar"); insert into person values("A02","salma", " M K nagar"); insert into person values("A03","jayshree", "Ashok nagar");

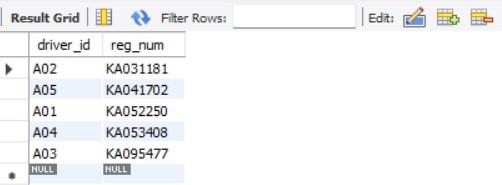
insert into person values("A04","chintu", "Naa Roai Colony"); insert into person values("A05","Johnn", "hanumanth nagar"); **select \*** from person;



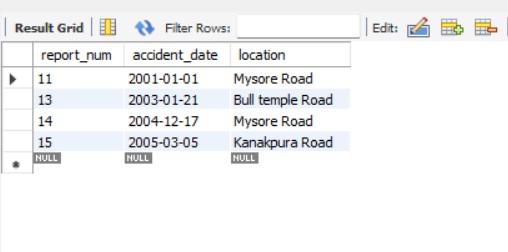
insert into car values("KA052250","Indica", "1990"); insert into car values("KA031181","Lancer", "1957"); insert into car values("KA095477","Toyota", "1998"); insert into car values("KA053408","Honda", "2008"); insert into car values("KA041702","Audi", "2005"); **select \*** from car;



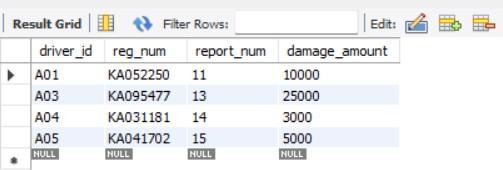
insert into owns values("A01","KA052250"); insert into owns values("A02","KA031181"); insert into owns values("A03","KA095477"); insert into owns values("A04","KA053408"); insert into owns values("A05","KA041702"); **select \*** from owns;



insert into accident values(11,'2001-01-01',"Mysore Road"); insert into accident values(12,'2002-02-02',"South end Circle"); insert into accident values(13,'2003-01-21',"Bull temple Road"); insert into accident values(14,'2004-12-17',"Mysore Road"); insert into accident values(15,'2005-03-05',"Kanakpura Road"); select \* from accident;



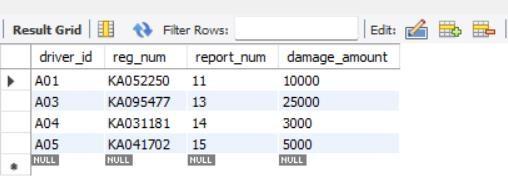
insert into participated values("A01","KA052250",11,10000); insert into participated values("A02","KA053408",12,50000); insert into participated values("A03","KA095477",13,25000); insert into participated values("A04","KA031181",14,3000); insert into participated values("A05","KA041702",15,5000); **select \*** from participated;



### **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; select \* from participated;



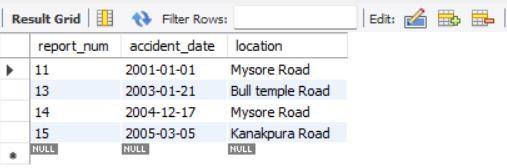
###### **Find the total number of people who owned cars that were involved in accidents in 2008.**

**select** count(distinct driver\_id) CNT from participated a, accident b **where** a.report\_num=b.report\_num and b.accident\_date like '2001%';



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

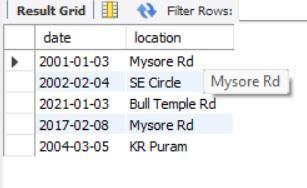
insert into accident values(16,'2003-03-08',"Domlur"); select \* from accident;



**TO DO:**

##### **DISPLAY ACCIDENT DATE AND LOCATION**

**select** accident\_date **as** date, location **from** accident;



##### **DISPLAY DRIVER ID WHO DID ACCIDENT WITH DAMAGE AMOUNT**

**GREATER THAN OR EQUAL TO RS.25000**

**Select** participated.driver\_id as driver\_id from accident,participated **where** accident.report\_no = participated.report\_no and participated.damage\_amt >= 25000;

