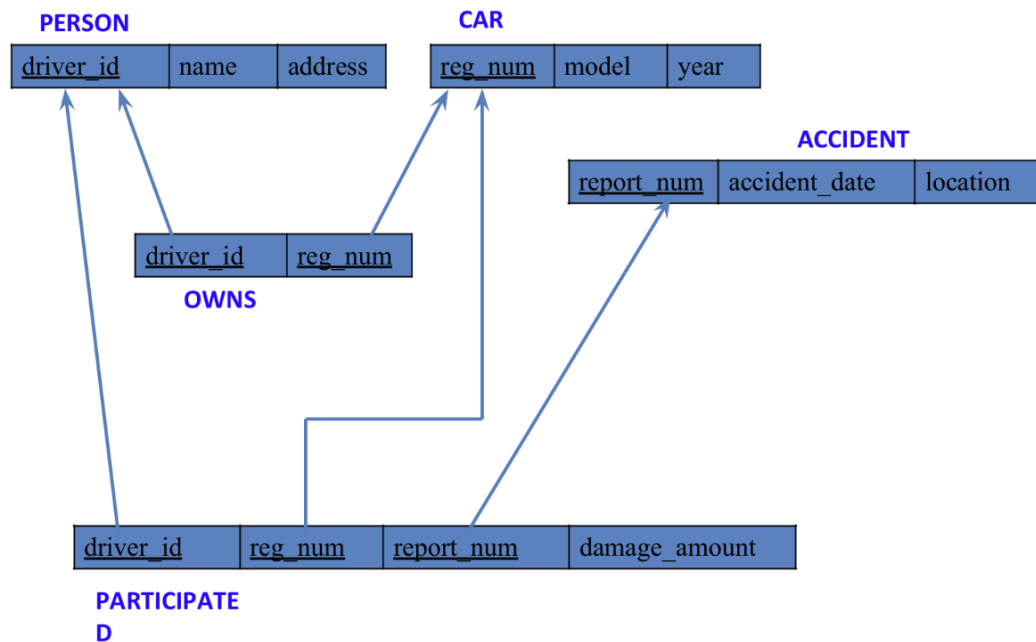


WEEK 1- Insurance Database



<u>driver_id</u>	name	address
A01	Richard	Srinivas nagar
A02	Pradeep	Rajaji nagar
A03	Smith	Ashok nagar
A04	Venu	N R Colony
A05	Jhon	Hanumanth nagar

<u>reg_num</u>	model	year
KA052250	Indica	1990
KA031181	Lancer	1957
KA095477	Toyota	1998
KA053408	Honda	2008
KA041702	Audi	2005

<u>driver_id</u>	<u>reg_num</u>
A01	KA052250
A02	KA053408
A03	KA031181
A04	KA095477
A05	KA041702

<u>report_num</u>	<u>accident_date</u>	<u>location</u>
11	01-JAN-03	Mysore Road
12	02-FEB-04	South end Circle
13	21-JAN-03	Bull temple Road
14	17-FEB-08	Mysore Road
15	04-MAR-05	Kanakpura Road

<u>driver_id</u>	<u>reg_num</u>	<u>report_num</u>	damage_amount
A01	KA052250	11	10000
A02	KA053408	12	50000
A03	KA095477	13	25000
A04	KA031181	14	3000
A05	KA041702	15	5000

Create the above tables by properly specifying the primary keys and the foreign keys. (CREATION)

```
create database insurance_dhiksha;
use insurance_dhiksha;
create table insurance_dhiksha.person(
driver_id varchar(20),
name varchar(30),
address varchar(50),
PRIMARY KEY(driver_id)
);
```

```
create table insurance_dhiksha.car(
reg_num varchar(15),
model varchar(10),
year int,
PRIMARY KEY(reg_num)
);
```

```
create table insurance_dhiksha.owns(
driver_id varchar(20),
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 insurance_dhiksha.accident(
report_num int,
accident_date date,
location varchar(50),
PRIMARY KEY(report_num)
```

```
);

create table insurance_dhiksha.participated(
driver_id varchar(20),
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)
);
```

Enter at least five tuples for each relation (INSERTION)

```
insert into person values("A01","Richard", "Srinivas nagar");
insert into person values("A02","Pradeep", "Rajaji nagar");
insert into person values("A03","Smith", "Ashok nagar");
insert into person values("A04","Venu", "N R Colony");
insert into person values("A05","John", "Hanumanth nagar");
```

```
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");
```

```
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");
```

```

insert into accident values(11,'2003-01-01',"Mysore Road");
insert into accident values(12,'2004-02-02',"South end Circle");
insert into accident values(13,'2003-01-21',"Bull temple Road");
insert into accident values(14,'2008-02-17',"Mysore Road");
insert into accident values(15,'2004-03-05',"Kanakpura Road");

```







```

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 table (SELECTION)

```
select * from person;
```

Result Grid			
Filter Rows: <input type="text"/>			
Edit:    Export/Import:   Wrap Cell Content: 			
	driver_id	name	address
▶	A01	Richard	Srinivas nagar
	A02	Pradeep	Rajaji nagar
	A03	Smith	Ashok nagar
	A04	Venu	N R Colony
	A05	John	Hanumanth nagar

person 19 x

```
select * from car;
```

Result Grid			
Filter Rows: <input type="text"/>			
Edit:    Export/Import:   Wrap Cell Content: 			
	reg_num	model	year
▶	KA031181	Lancer	1957
	KA041702	Audi	2005
	KA052250	Indica	1990
	KA053408	Honda	2008
	KA095477	Toyota	1998

car 20 x

```
select * from owns;
```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
driver_id	reg_num				
A02	KA031181				
A05	KA041702				
A01	KA052250				
A04	KA053408				
A03	KA095477				

owns 22 x

select * from accident;

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
report_num	accident_date	location			
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	2004-03-05	Kanakpura Road			

accident 23 x

select * from participated;

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
driver_id	reg_num	report_num	damage_amount		
A01	KA052250	11	10000		
A02	KA053408	12	25000		
A03	KA095477	13	25000		
A04	KA031181	14	3000		
A05	KA041702	15	5000		

participated 24 x

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;

- 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 '2008%';

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CNT			
1			

Result 25 x

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

insert into accident values(16,'2008-03-08',"Domlur");
select * from accident;

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
report_num	accident_date	location		
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	2004-03-05	Kanakpura Road		
16	2008-03-08	Domlur		
* NULL	NULL	NULL		

accident 26 x

TO DO:

- **Display Accident date and location**

select accident_date, location from accident;

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
accident_date	location		
2003-01-01	Mysore Road		
2004-02-02	South end Circle		
2003-01-21	Bull temple Road		
2008-02-17	Mysore Road		
2004-03-05	Kanakpura Road		
2008-03-08	Domlur		

accident 27 x

- **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;

