

## **WEEK 1(insurance db)**

### **CREATED A DATABASE NAMED 1bm21cs057\_insurance:**

```
create database 1bm21cs057_insurance;
```

```
use 1bm21cs057_insurance;
```

### **CREATED TABLE NAMED person:**

```
create table person (driver_id varchar(10),  
name varchar (20), address varchar(30), primary key(driver_id));
```

### **CREATED TABLE NAMED car:**

```
create table car(reg_num varchar(10),model varchar(10),year int, primary key(reg_num));
```

### **CREATED TABLE NAMED accident:**

```
create table accident(report_num int, accident_date date, location varchar(20),primary  
key(report_num));
```

### **CREATED TABLE NAMED owns:**

```
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));
```

### **CREATED TABLE NAMED participated:**

```
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));
```

### **INSERTED FIVE RECORDS INTO THE TABLE accident:**

```
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');
```

	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
*	NULL	NULL	NULL

#### INSERTED FIVE RECORDS INTO THE TABLE person:

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');

	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
*	NULL	NULL	NULL

#### INSERTED FIVE RECORDS INTO THE TABLE car:

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);

	reg_num	model	year
▶	KA031181	lancer	1957
	KA041702	audi	2005
	KA052250	indica	1990
	KA053408	honda	2008
	KA095477	toyota	1998
*	NULL	NULL	NULL

#### INSERTED FIVE RECORDS INTO THE TABLE owns:

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');

	driver_id	reg_num
▶	A02	KA031181
	A05	KA041702
	A01	KA052250
	A04	KA053408
	A03	KA095477
*	NULL	NULL

**INSERTED FIVE RECORDS INTO THE TABLE participated:**

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

insert into participated values('A02', 'KA031181', 12, 50000);

insert into participated values('A03', 'KA095477', 13, 25000);

insert into participated values('A04', 'KA053408', 14, 3000);

insert into participated values('A05', 'KA041702', 15, 5000);

	driver_id	reg_num	report_num	damage_amount
▶	A01	KA052250	11	10000
	A02	KA031181	12	50000
	A03	KA095477	13	25000
	A04	KA053408	14	3000
	A05	KA041702	15	5000
*	NULL	NULL	NULL	NULL

**TO DO:**

**1.Display Accident date and location:**

**SQL Query:**

select accident\_date,location from accident;

**Output:**

	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

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

**SQL Query:**

select driver\_id

from participated

where damage\_amount>=25000;

**Output:**

	driver_id
▶	A02
	A03

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

**SQL Query:**

update participated

set damage\_amount=25000

where report\_num=12;

select \* from participated;

**Output:**

	driver_id	reg_num	report_num	damage_amount
▶	A01	KA052250	11	10000
	A02	KA031181	12	25000
	A03	KA095477	13	25000
	A04	KA053408	14	3000
	A05	KA041702	15	5000
	NULL	NULL	NULL	NULL

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

**SQL Query:**

select count(distinct driver\_id) CNT

from participated a, accident b

where a.report\_num=b.report\_num and b.accident\_date like '%08%';

**Output:**

	CNT
▶	1

5. Add a new accident to the database.

**SQL Query:**

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

select \* from accident;

**Output:**

	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