WEEK 1:

Creating a database:

use MySQL;

create database cs061_insurance;

use cs061_insurance;

Create a table named person:

create table person(

driver_id int PRIMARY KEY,

namep char(30) not null,

address char(30) not null

);

Create a table named car:

create table car(

reg_id int PRIMARY KEY,

model char(30) not null,

yearp int

);

Create a table named accident:

create table accident(

report_num int PRIMARY KEY,

accident_date date,

locaion char(30) not null

);

Create a table named owns:

```
create table owns(

driver_id int,

reg_id int,

FOREIGN KEY(driver_id) REFERENCES person(driver_id),

FOREIGN KEY(reg_id) REFERENCES car(reg_id)

);
```

Create a table named participated:

```
create table participated(

driver_id int,

reg_id int,

report_num int,

damage_amount int,

foreign key(driver_id) references person(driver_id),

foreign key(reg_id) references car(reg_id),

foreign key(report_num) references accident(report_num)

);
```

Insert Values into 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,'2005-03-04','mYSORE road');
```

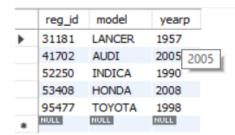| report_num	accident_date	locaion
11	2003-01-01	mYSORE road
12	2004-02-02	south end circle
13	2003-01-21	bull temple road
14	2008-02-17	mYSORE road
15	2005-03-04	mYSORE road
NULL	NULL	NULL

Insert values into table person:

insert into person values(01,'Richard','Srinivas Nagar');

insert into person values(02,'Pradeep','Rajaji Nagar');

insert into person values(03,'Smith','Ashok Nagar');

insert into person values(04,'Venu','NR Colony');

insert into person values(05,'Jhon','Hanumanth Nagar');

driver_id	namep	address
1	Richard	Srinivas Nagar
2	Pradeep	Rajaji Nagar
3	Smith	Ashok Nagar
4	Venu	NR Colony
5	Jhon	Hanumanth Nagar
NULL	NULL	NULL

Insert values into table car:

INSERT INTO car values(052250,'INDICA',1990);

INSERT INTO car values(031181,'LANCER',1957);

INSERT INTO car values(095477,'TOYOTA',1998);

INSERT INTO car values(053408,'HONDA',2008);

INSERT INTO car values(041702,'AUDI',2005);

reg_id	model	yearp
31181	LANCER	1957
41702	AUDI	2005
52250	INDICA	1990
53408	HONDA	2008
95477	TOYOTA	1998
NULL	NULL	NULL

Insert values into table owns:

insert into owns values(01,052250);

insert into owns values(02,053408);

insert into owns values(03,095477);

insert into owns values(04,031181);

insert into owns values(05,041702);

driver_id	reg_id
1	52250
2	53408
3	95477
4	31181
5	41702

Insert values into table participated:

insert into participated values(01,052250,11,10000);

insert into participated values(02,053408,12,50000);

insert into participated values(03,095477,13,25000);

insert into participated values(04,031181,14,3000);

insert into participated values(05,041702,15,5000);

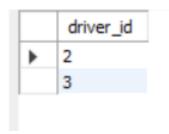| driver_id	reg_id	report_num	damage_amount
1	52250	11	10000
2	53408	12	50000
3	95477	13	25000
4	31181	14	3000
5	41702	15	5000

To-Do:

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

   SQL Query: select accident_date, locaion from accident;

accident_date	locaion
2003-01-01	mYSORE road
2004-02-02	south end circle
2003-01-21	bull temple road bull temple road
2008-02-17	mYSORE road
2005-03-04	mYSORE road

2. **Display the 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;

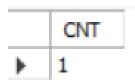 | driver_id |
   |-----------|
   | 2 |
   | 3 |

3. **Update the damage amount to 25000 for the car with a specific reg-num (example '053408') for which the accident report number was 12.**

   SQL Query: update participated set damage_amount=25000 where report_num=12;

driver_id	reg_id	report_num	damage_amount
1	52250	11	10000
2	53408	12	25000
3	95477	13	25000
4	31181	14	3000
5	41702	15	5000

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%';

CNT
1

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

SQL Query: insert into accident values(16,'2008-03-08','Domlur';

report_num	accident_date	locaion
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	2005-03-04	mYSORE road
16	2008-03-08	Domlur