WEEK-1

(1BM21CS059)

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

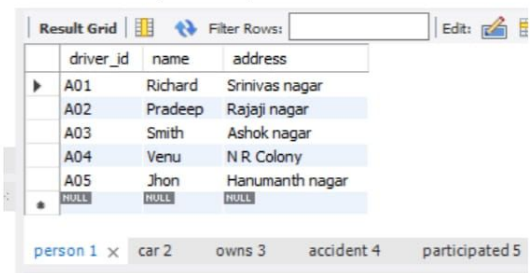
```
create database 1bm21cs045_insurance;
use 1bm21cs045_insurance;

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

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

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

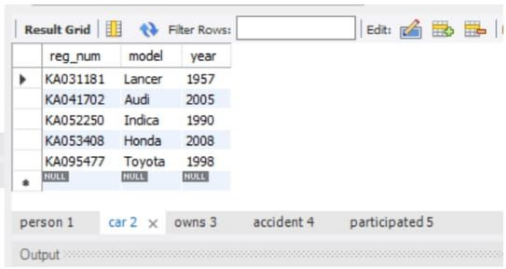
Enter at least five tuples

```
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 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','Jhon','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','KA053408');
insert into owns values('A03','KA095477');
insert into owns values('A04','KA031181');
insert into owns values('A05','KA041702');
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 person;
```



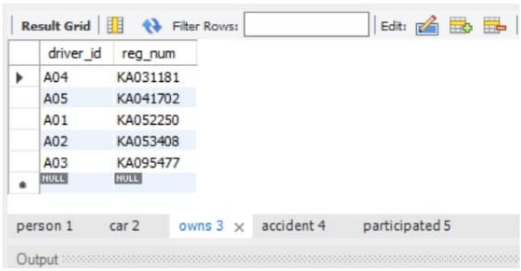

```
select *from car;
```



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

person 1 | car 2 | owns 3 | accident 4 | participated 5

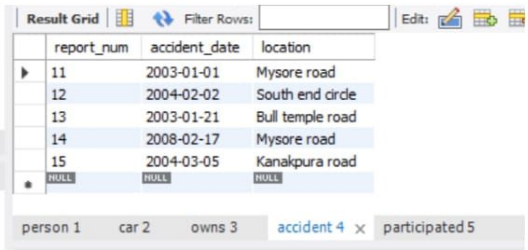
select *from owns;



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

person 1 | car 2 | owns 3 | accident 4 | participated 5

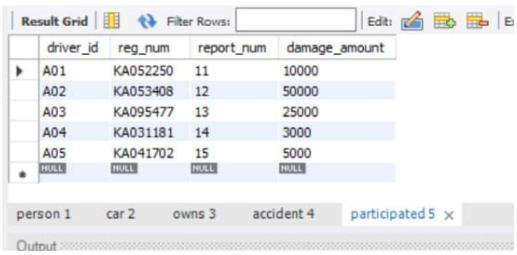
select *from accident;



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

person 1 | car 2 | owns 3 | accident 4 | participated 5

select *from participated;

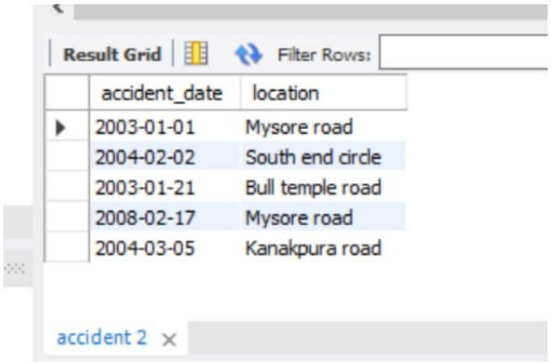


driver_id	reg_num	report_num	damage_amount
A01	KA052250	11	10000
A02	KA053408	12	50000
A03	KA095477	13	25000
A04	KA031181	14	3000
A05	KA041702	15	5000

person 1 | car 2 | owns 3 | accident 4 | participated 5

Display Accident date and location

SQL> select accident_date,location from accident;



Result Grid | Filter Rows:

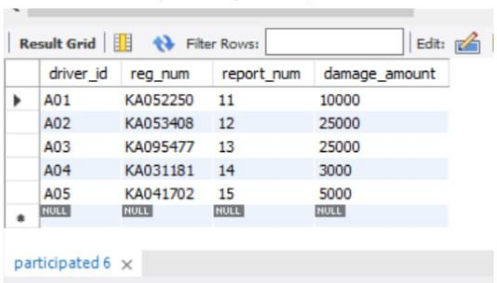
accident_date	location
2003-01-01	Mysore road
2004-02-02	South end circle
2003-01-21	Bull temple road
2008-02-17	Mysore road
2004-03-05	Kanakpura road

accident 2

Update the damage amount to 25000 for the car with a specific reg_num (example 'K A053408') for which the accident report number was 12.

SQL> update participated set damage_amount=25000
where reg_num='KA053408' and report_num=12;

select *from participated;



Result Grid | Filter Rows: | Edit:

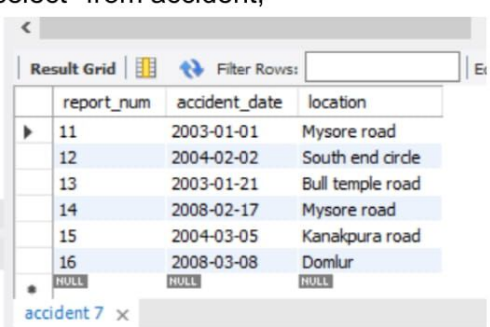
driver_id	reg_num	report_num	damage_amount
A01	KA052250	11	10000
A02	KA053408	12	25000
A03	KA095477	13	25000
A04	KA031181	14	3000
A05	KA041702	15	5000
NULL	NULL	NULL	NULL

participated 6

Add a new accident to the database.

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

select *from accident;



Result Grid | Filter Rows:

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

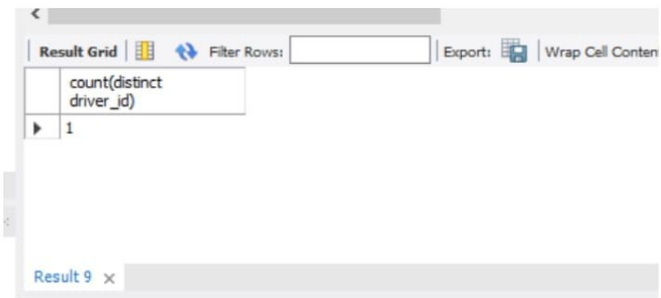
accident 7

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

SQL>select count(distinct driver_id)

from participated a, accident b

where a.report_num=b.report_num and b.accident_date like '%08%';



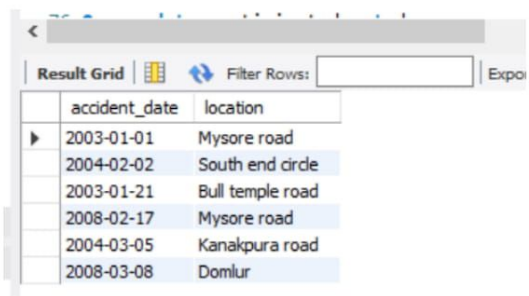
count(distinct driver_id)
1

Result 9

TO DO

Display Accident date and location.

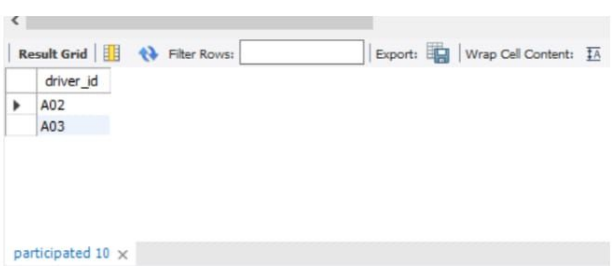
SQL> select accident_date,location from accident;



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

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

SQL>select driver_id from participated
where damage_amount>=25000;



driver_id
A02
A03

participated 10