WEEK-1

Creation of tables

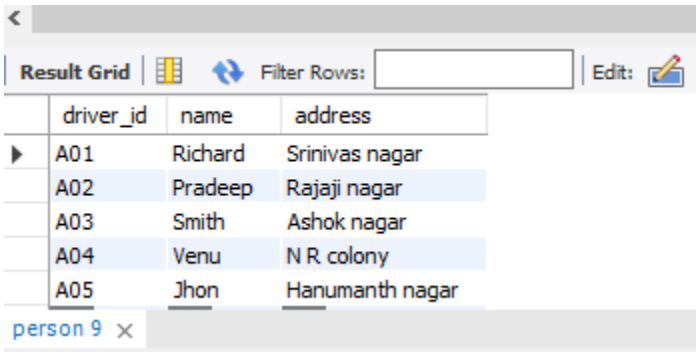
```
create database 1bm21cs050_insurance;
use 1bm21cs050_insurance;
create table person(
driver_id varchar(20),
name varchar(20),
address varchar(30),
primary key(driver_id)
);
desc person;
create table car(
reg_num varchar(10),
model varchar(10),
year int,
primary key(reg_num)
);
desc car;
create table accident(
report_num int,
accident_date date,
location varchar(20),
primary key(report_num)
);

desc accident;
create table 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 participated(
driver_id varchar(20),
reg_num varchar(10),
report_num int,
damage_amount int,
foreign key(driver_id) references person(driver_id),
foreign key(reg_num) references car(reg_num),
foreign key(driver_id) references person(driver_id),
foreign key(report_num) references accident(report_num)
```

);
desc participated;

Insertion of values

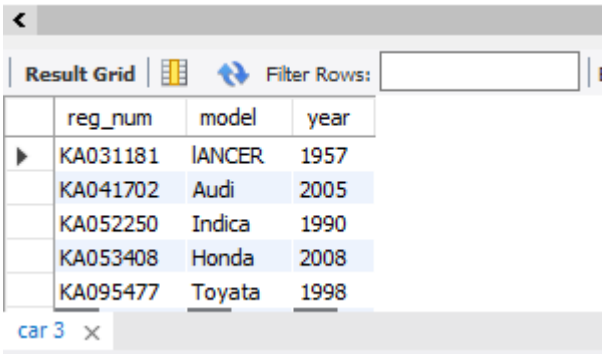
(Insertion of values in table person)

```
insert into person values('A01', 'Richard','Srinivasnagar');
insert into person values('A02', 'Pradeep','Rajajinagar');
insert into person values('A03', 'Smith','Ashoknagar');
insert into person values('A04', 'Venu','NR Colony');
insert into person values('A05', 'Jhon','Hanumanthnagar');
select*from person;
```



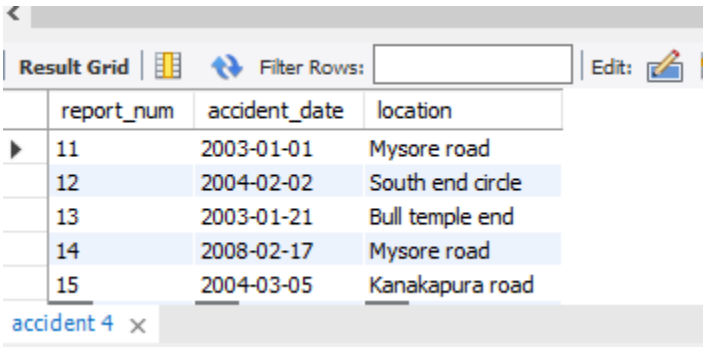
(Insertion of values in table car)

```
insert into car values('KA053350','Indica', 1990);
insert into car values('KA031181','Lancer', 1957);
insert into car values('KA095477','Toyata', 1998);
insert into car values('KA53408','Honda', 2008);
insert into car values('KA05459','Audi', 2005);
select*from car;
```



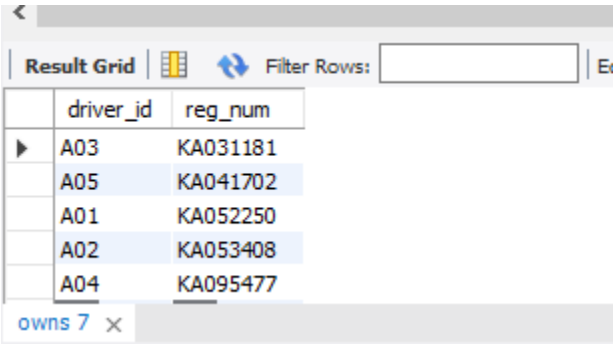
(Insertion of values in table accident)

```
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', 'NR colony');
insert into accident values(14, '2004-03-05', 'Kanakapura road');
insert into accident values(15, '2005-01-05', 'Bull temple');
select * from accident;
```



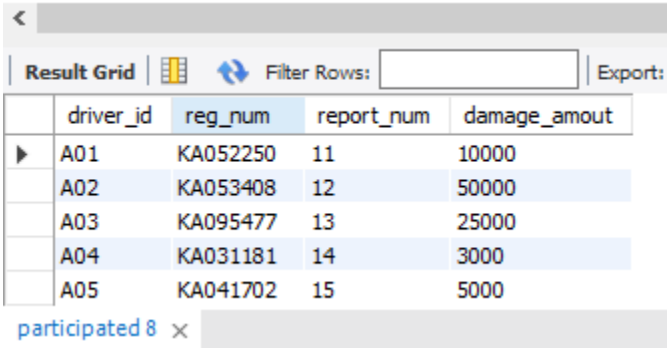
(Insertion of values in table owns)

```
insert into owns values('A01', 'KA053350');
insert into owns values('A02', 'KA031181');
insert into owns values('A03', 'KA095477');
insert into owns values('A04', 'KA53408');
insert into owns values('A05', 'KA05459');
select * from owns;
```



(Insertion of values in table participated)

```
Insert into participated values ('A01', 'KA053350',11,10000);
Insert into participated values ('A02', 'KA031181', 12, 50000);
Insert into participated values ('A03', 'KA095477',13,25-000);
Insert into participated values ('A04', 'KA53408',14,3000);
insert into participated values('A05', 'KA05459',15,5000);
select * from participated;
```



Result Grid | Filter Rows: | Export:

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

participated 8

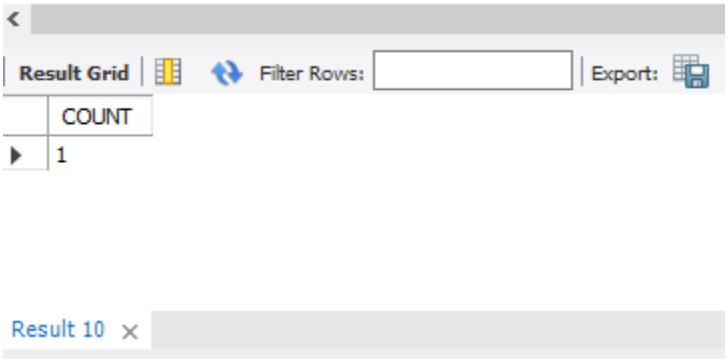
Queries:

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

```
update participated
set damage_amount=25000
where reg_num='053408' and report_num=12;
```

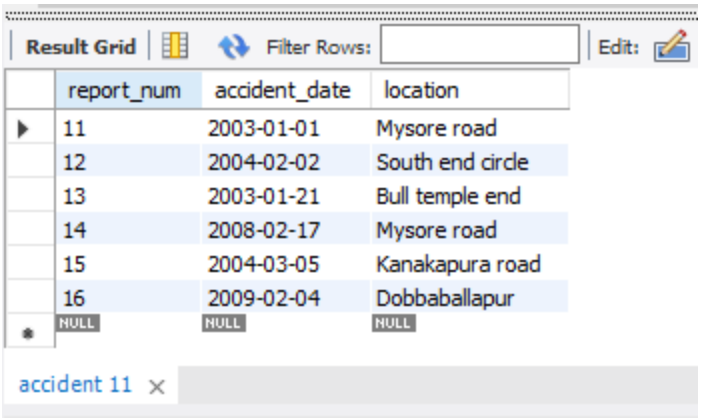
2. Find the total number of people who owned cars that were involved in accidents in 2008.

```
select count(distinct driver_id) COUNT
from participated a, accident b
where a.report_num=b.report_num and b.accident_date like '%08%';
```



3. Add a new accident to the database.

```
insert into accident values(16,'2008-03-08',"Doddaballapura");

select * from accident;
```



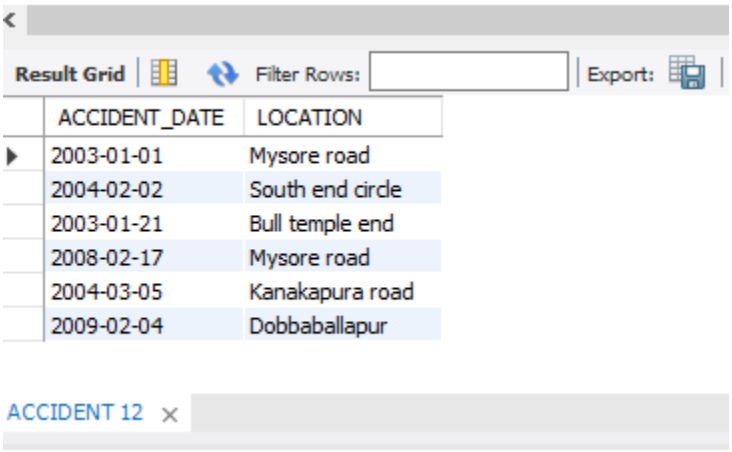
Result Grid | Filter Rows: | Edit:

report_num	accident_date	location
11	2003-01-01	Mysore road
12	2004-02-02	South end circle
13	2003-01-21	Bull temple end
14	2008-02-17	Mysore road
15	2004-03-05	Kanakapura road
16	2009-02-04	Dobbaballapur
NULL	NULL	NULL

accident 11

4. Display Accident date and location

   select accident_date, location from accident;



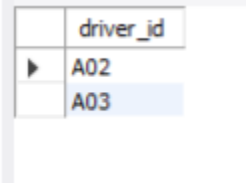
Result Grid | Filter Rows: | Export:

ACCIDENT_DATE	LOCATION
2003-01-01	Mysore road
2004-02-02	South end circle
2003-01-21	Bull temple end
2008-02-17	Mysore road
2004-03-05	Kanakapura road
2009-02-04	Dobbaballapur

ACCIDENT 12

5. 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;



driver_id
A02
A03