

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)
);

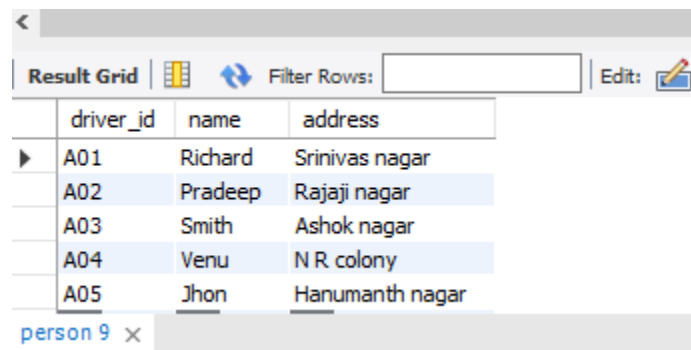
desc accident;
create table owns(
driver_id varchar(20),
reg_num varchar(10),
primary key(driver_id,reg_num),
foreign key(driver_id) references person(driver_id),
foreign key(reg_num) references car(reg_num)
);
create table participated(
driver_id varchar(20),
reg_num varchar(10),
report_num int,
damage_amount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



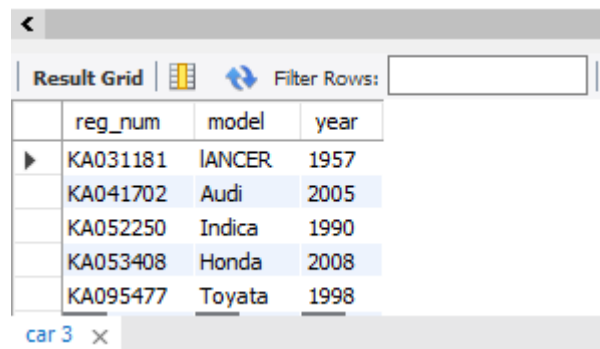
The screenshot shows a database interface with a 'Result Grid' tab. It displays the data for the 'person' table, which has three columns: 'driver_id', 'name', and 'address'. There are five rows of data. The interface also includes a 'Filter Rows' search bar and an 'Edit' button.

	driver_id	name	address
▶	A01	Richard	Srinivas nagar
	A02	Pradeep	Rajaji nagar
	A03	Smith	Ashok nagar
	A04	Venu	N R colony
	A05	Jhon	Hanumanth nagar

person 9 x

(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;
```



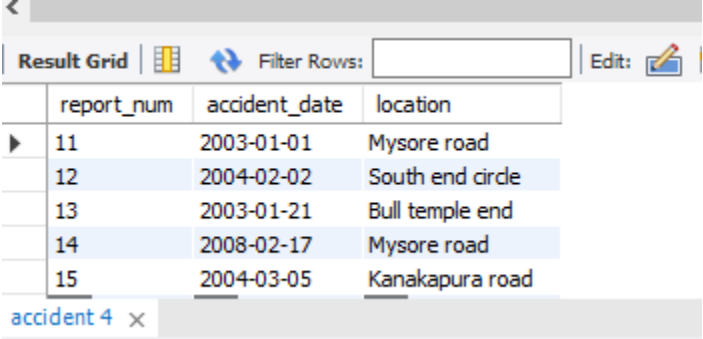
The screenshot shows a database interface with a 'Result Grid' tab. It displays the data for the 'car' table, which has four columns: 'reg_num', 'model', and 'year'. There are five rows of data. The interface also includes a 'Filter Rows' search bar and an 'Edit' button.

	reg_num	model	year
▶	KA031181	LANCER	1957
	KA041702	Audi	2005
	KA052250	Indica	1990
	KA053408	Honda	2008
	KA095477	Toyata	1998

car 3 x

(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;
```

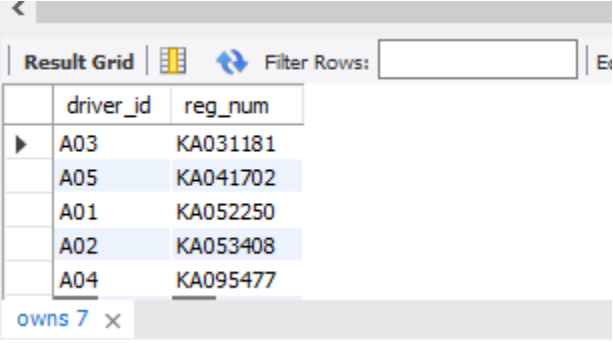


	report_num	accident_date	location
▶	11	2003-01-01	Mysore road
	12	2004-02-02	South end circle
	13	2003-01-21	Bull temple end
	14	2008-02-17	Mysore road
	15	2004-03-05	Kanakapura road

accident 4 x

(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;
```

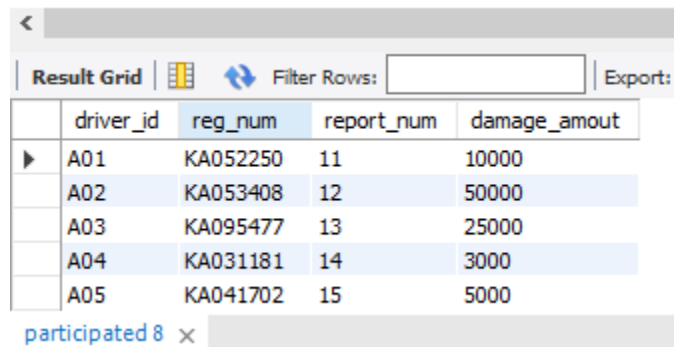


	driver_id	reg_num
▶	A03	KA031181
	A05	KA041702
	A01	KA052250
	A02	KA053408
	A04	KA095477

owns 7 x

(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;
```



The screenshot shows a database interface with a 'Result Grid' tab. It displays a table with 5 rows of data. The columns are 'driver_id', 'reg_num', 'report_num', and 'damage_amout'. The data is as follows:

	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

Below the table, there is a tab labeled 'participated 8' with a close button (x).

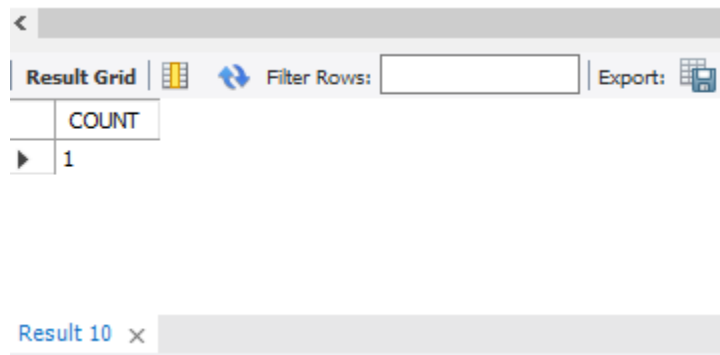
Queries:

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%';
```



The screenshot shows a database query result grid. At the top, there is a toolbar with a 'Result Grid' button, a 'Filter Rows' input field, and an 'Export' button. Below the toolbar, the result grid is displayed with a single row. The first column is labeled 'COUNT' and contains the value '1'. At the bottom of the screenshot, there is a tab labeled 'Result 10' with a close button 'x'.

COUNT
1

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 x

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 x

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

