

```
create database 1bm21cs054_Insurance;
```

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

```
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)  
);
```

```
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,'2008-02-17','Bull temple road');  
insert into accident values(14,'2004-03-05','kanakpura Road');  
insert into accident values(15,'2008-02-17','Mysore 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','KA031181');
```

```
insert into owns values('A03','KA095477');
```

```
insert into owns values('A04','KA053408');
```

```
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);
```

```
/*week 1*/
```

```
update participated set damage_amount=25000
```

```
where reg_num='KA053408' and report_num=12;
```

```
select count(distinct driver_id)CNT
```

```
from participated a,accident b
```

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

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

```
select*from accident;
```

```
select accident_date,location
```

```
from accident;
```

```
select driver_id
```

```
from participated
```

```
where damage_amount>=25000;
```

Output:

Week 1:

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	CNT
▶	2

Result Grid  
Form Editor  
Field Types







Result 6 x Read Only

83

84 • `select*from accident;`


85


<

**Result Grid**   Filter Rows:  Edit:    Export/Import 

	report_num	accident_date	location
▶	11	2003-01-01	Mysore Road
	12	2004-02-02	south end circle
	13	2008-02-17	Bull temple road
	14	2004-03-05	kanakpura Road
	15	2008-02-17	Mysore road
	16	2008-03-08	Domlur
✱	NULL	NULL	NULL

**Result Grid**

Form Editor 

Field Types 

↑  
↓

accident 8 × Apply

To Do:

The screenshot shows a database query editor interface. At the top, a SQL query is entered in a text area:

```
86 • select accident_date,location
87 from accident;
88
```

Below the query editor, a toolbar contains the following options: "Result Grid" (selected), "Filter Rows:" (with an empty input field), "Export:" (with a download icon), and "Wrap Cell Content:" (with a text wrap icon). The "Result Grid" is displayed as a table with the following data:

	accident_date	location
▶	2003-01-01	Mysore Road
	2004-02-02	south end circle
	2008-02-17	Bull temple road
	2004-03-05	kanakpura Road
	2008-02-17	Mysore road
	2008-03-08	Domlur

On the right side of the interface, there is a vertical sidebar with icons for "Result Grid", "Form Editor", and "Field Types". At the bottom of the window, a tab labeled "accident 9" is visible, and a "Read Only" status indicator is shown in the bottom right corner.

```
89 • select driver_id
90 from participated
91 where damage_amount >= 25000;
```

< Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	driver_id
▶	A02
	A03



Result  
Grid



Form  
Editor



Field  
Types



participated 10 x

Read Only





