

```
create database 1BM21CS046_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 Queries:

The screenshot shows a SQL query editor with a toolbar at the top containing icons for file operations, search, and execution. Below the toolbar is a list of queries numbered 4 through 23. The queries include updates, selects, and inserts. The 8th query is highlighted, showing a select statement that counts distinct driver IDs from the 'participated' and 'accident' tables. Below the queries is a 'Result Grid' section with a table containing two columns: 'CNT' and a value '2'. The interface also includes a 'Filter Rows' input, an 'Export' button, and a 'Wrap Cell Content' checkbox. On the right side, there are buttons for 'Result Grid', 'Form Editor', and 'Read Only'.

```
4
5 • update participated set damage_amount=25000
6   where reg_num='KA053408' and report_num=12;
7
8 • select count(distinct driver_id)CNT
9   from participated a,accident b
10  where a.report_num=b.report_num and b.accident_date like '%06%';
11
12 • insert into accident values(16,'2008-03-08','Domlun');
13
14 • select*from accident;
15
16 • select accident_date,location
17   from accident;
18
19 • select driver_id
20   from participated
21  where damage_amount>=25000;
22
23
```

CNT
2

Result 1 x Read Only

The screenshot shows a SQL editor with the following queries:

```

4
5 • update participated set damage_amount=25000
6   where reg_num='KA053408' and report_num=12;
7
8 • select count(distinct driver_id)CNT
9   from participated a,accident b
10  where a.report_num=b.report_num and b.accident_date like '%08%';
11
12 • insert into accident values(16,'2008-03-08','Domlur');
13
14 • select*from accident;
15
16 • select accident_date,location
17   from accident;
18
19 • select driver_id
20   from participated
21  where damage_amount>=25000;
22
23

```

The bottom panel displays the 'Result Grid' with the following data:

	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

The bottom status bar shows 'accident 2' and an 'Apply' button.

```
10 where a.report_num=b.report_num and b.accident_date like '%08%';
11
12 • insert into accident values(16,'2008-03-08','Domlur');
13
14 • select*from accident;
15
16 • select accident_date,location
17 from accident;
18
19 • select driver_id
20 from participated
21 where damage_amount>=25000;
22
23
24 /*week 2*/
25
26 • select*from participated order by damage_amount desc;
27
28 • select avg(damage_amount)
29 from (participated);
```

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

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

Result Grid
Form Editor

```
10 where a.report_num=b.report_num and b.accident_date like '%08%';
11
12 • insert into accident values(16,'2008-03-08','Domlur');
13
14 • select*from accident;
15
16 • select accident_date,location
17 from accident;
18
19 • select driver_id
20 from participated
21 where damage_amount>=25000;
22
23
24 /*week 2*/
25
26 • select*from participated order by damage_amount desc;
27
28 • select avg(damage_amount)
29 from (participated);
```

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

driver_id
A02
A03

Result Grid
Form Editor

participated 4 x Read Only