

```
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,'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');
```

```
Select * from accident;
```

```

34 • INSERT into car values("KA041702","Audi",2005);
35 • Select * from car;

```

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 10 x

```
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);
```

```
Select * from car;
```

Result Grid			
Filter Rows:			
	reg_num	model	year
▶	KA031181	Lancer	1957
	KA041702	Audi	2005
	KA052250	Indica	1990
	KA053408	Honda	2008
	KA095477	Toyota	1998
*	NULL	NULL	NULL

```
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");
```

```
Select * from person;
```

Result Grid			
Filter Rows: <input type="text"/>			
	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
*	NULL	NULL	NULL

INSERT into owns values("A01","KA052250");

INSERT into owns values("A02","KA053408");

INSERT into owns values("A03","KA031181");

INSERT into owns values("A04","KA095477");

INSERT into owns values("A05","KA041702");

Select * from owns;

Result Grid		
Filter Rows: <input type="text"/>		
	driver_id	reg_num
▶	A03	KA031181
	A05	KA041702
	A01	KA052250
	A02	KA053408
	A04	KA095477
*	NULL	NULL

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 participated;

Result Grid				
Filter Rows:				
	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

update participated set damage_amount=25000

where reg_num='KA053408' and report_num=12;

select * from participated;

Result Grid				
Filter Rows:				
	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

select * from car order by year asc;

Result Grid			
Filter Rows:			
	reg_num	model	year
▶	KA031181	Lancer	1957
	KA052250	Indica	1990
	KA095477	Toyota	1998
	KA041702	Audi	2005
	KA053408	Honda	2008
*	NULL	NULL	NULL

select count(report_num)

from car c, participated p

where c.reg_num=p.reg_num and c.model='Lancer';

Result Grid		Filter Rows:
	count(report_num)	
▶	1	

select count(distinct driver_id) CNT

from participated a, accident b

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

```

9 • select count(distinct driver_id) CNT
10 from participated a, accident b
11 where a.report_num=b.report_num and b.accident_date like '%08%'

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNT			
▶	1			

SELECT * FROM participated ORDER BY damage_amount DESC;

Result Grid		Filter Rows:	Edit:
driver_id	reg_num	report_num	damage_amount
▶ A02	KA053408	12	25000
A03	KA095477	13	25000
A01	KA052250	11	10000
A05	KA041702	15	5000
A04	KA031181	14	3000
★ NULL	NULL	NULL	NULL

SELECT AVG(damage_amount) FROM participated;

Result Grid		Filter Rows:
	AVG(damage_amount)	
▶	13600.0000	

SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER_ID = B.DRIVER_ID
AND DAMAGE_AMOUNT > (SELECT AVG(DAMAGE_AMOUNT) FROM PARTICIPATED);

```

21 • SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER_ID = B.DRIVER_ID
22 AND DAMAGE_AMOUNT > (SELECT AVG(DAMAGE_AMOUNT) FROM PARTICIPATED);

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	NAME			
▶	Pradeep			
	Smith			

SELECT MAX(DAMAGE_AMOUNT) FROM PARTICIPATED;

```

24 • SELECT MAX(DAMAGE_AMOUNT) FROM PARTICIPATED;

```

Result Grid		Filter Rows:	Export:	Wrap
	MAX(DAMAGE_AMOUNT)			
▶	25000			