

```
create database insurance;  
use insurance;
```

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```
use insurance;  
create table person(driver_id varchar(5),name  
varchar(10),address varchar(20),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(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));  
desc owns;
```

```
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));  
desc participated;
```

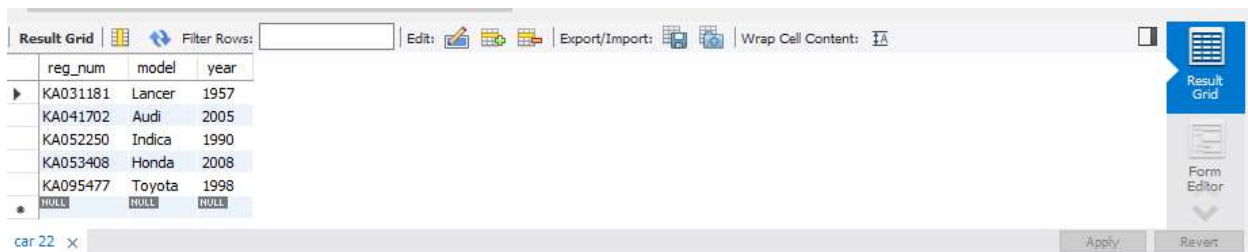
```
insert into person values('A01','Richard','Srinivas  
Nagar');  
insert into person values('A02','Pradeep','Rajajinagar');  
insert into person values('A03','Smith','Ashoknagar');  
insert into person values('A04','Venu','N.R.Colony');  
insert into person values('A05','John','Hanumanth Naga');  
commit;
```

```
select * from person;
```



	driver_id	name	address
▶	A01	Richard	Srinivas Nagar
	A02	Pradeep	Rajajinagar
	A03	Smith	Ashoknagar
	A04	Venu	N.R.Colony
	A05	John	Hanumanth Naga
*	NULL	NULL	NULL

```
insert into car values('KA031181','Lancer',1957);
insert into car values('KA041702','Audi',2005);
insert into car values('KA052250','Indica',1990);
insert into car values('KA053408','Honda',2008);
insert into car values('KA095477','Toyota',1998);
commit;
select * from car;
```



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

car 22 x

Apply Revert

```
insert into accident values(11,'2003-01-01','Mysore
Road');
insert into accident values(12,'2004-02-02','Southend
Circle');
insert into accident values(13,'2003-01-21','Bulltemple
Road');
insert into accident values(14,'2008-02-17','Mysore
Road');
insert into accident values(15,'2005-03-04','Kanakpura
Road');
commit;
select * from accident;
```

report_num	accident_date	location
11	2003-01-01	Mysore Road
12	2004-02-02	Southend Circle
13	2003-01-21	Bulltemple Road
14	2008-02-17	Mysore Road
15	2005-03-04	Kanakpura Road
NULL	NULL	NULL

```

insert into owns values('A01','KA031181');
insert into owns values('A02','KA041702');
insert into owns values('A03','KA052250');
insert into owns values('A04','KA053408');
insert into owns values('A05','KA095477');
commit;
select * from owns;

```

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

```

insert into participated
values('A01','KA031181',11,10000);
insert into participated
values('A02','KA041702',12,50000);
insert into participated
values('A03','KA052250',13,25000);
insert into participated values('A04','KA053408',14,3000);
insert into participated values('A05','KA095477',15,5000);
commit;
select * from participated;

```

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

```

update participated set damage_amount=25000 where
report_num=12;
insert into accident values(16,'2009-04-03','Kanakpura
Road');
select * from accident;

```

63  
64 • update participated set damage\_amount=25000 where report\_num=12;  
65 • insert into accident values(16,'2009-04-03','Kanakpura Road');  
66 • select \* from accident;  
67

report_num	accident_date	location
11	2003-01-01	Mysore Road
12	2004-02-02	Southend Circle
13	2003-01-21	Bulltemple Road
14	2008-02-17	Mysore Road
15	2005-03-04	Kanakpura Road
16	2009-04-03	Kanakpura Road
NULL	NULL	NULL

accident 14 x

```

select count(*) from accident where
year(accident_date)=2008;

```

67  
68 • select count(\*) from accident where year(accident\_date)=2008;  
69

count(*)
1

```

select count(report_num) CNT from car c,participated p
where c.reg_num=p.reg_num and model='Lancer';

```

70 • select count(report\_num) CNT from car c,participated p where c.reg\_num=p.reg\_num and model='Lancer';  
71

CNT
1

