

LAB1 INSURANCE

```
create database insurance;
```

```
use insurance;
```

```
create table person(  
    driver_id varchar(10),  
    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)  
);
```

```
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','Raghu','Electronic City');
insert into person values('A02','Rishab','Orange County');
insert into person values('A03','Rufus','NR Colony');
insert into person values('A04','Jamal','Lawrence Park');
insert into person values('A05','Kevin','Rosedale');
```

```
commit;
```

```
select * from person;
```

```
insert into car values('KA031111','Accord',2005);
insert into car values('KA041122','MX-5',2019);
insert into car values('KA051133','Indica',2010);
insert into car values('KA061144','Prius',2015);
insert into car values('KA071155','Camry',2020);
commit;
```

```
select * from car;
```

```
insert into accident values(111,'2020-01-01','NR Road');
insert into accident values(122,'2020-02-02','Dalhousie Road');
```

```
insert into accident values(133,'2020-03-03','Henry Road');  
insert into accident values(144,'2020-04-04','Beehive Road');  
insert into accident values(155,'2020-05-05','Orange Street');  
commit;
```

```
select * from accident;
```

```
insert into owns values ('A01','KA031111');  
insert into owns values ('A02','KA041122');  
insert into owns values ('A03','KA051133');  
insert into owns values ('A04','KA061144');  
insert into owns values ('A05','KA071155');  
commit;
```

```
select * from owns;
```

```
insert into participated values ('A01','KA031111',111, 10000);  
insert into participated values ('A02','KA041122',122, 20000);  
insert into participated values ('A03','KA051133',133, 30000);  
insert into participated values ('A04','KA061144',144, 40000);  
insert into participated values ('A05','KA071155',155, 50000);  
commit;
```

```
select * from participated;
```

```
update participated
```

```
set damage_amount = 2500  
where reg_num='KA031111';
```

```
select * from participated;
```

```
insert into accident values(101,'2020-12-01','Xavier Road');  
insert into participated values('A01','KA031111',101, 1001);  
commit;  
select * from accident;  
select * from participated;
```

```
insert into car values('KA01010', 'Accord', 2002);  
insert into owns values('A02', 'KA01010');  
insert into accident values(200, '2008-12-01', 'Pinto Road');  
insert into participated values('A02', 'KA01010', 200, 500);  
commit;
```

```
select * from car;  
select * from owns;  
select * from accident;  
select * from participated;
```

```
select count(*) from accident where year(accident_date)=2008;  
select count(*) from participated where reg_num in ( select reg_num from car  
where model="Accord");
```

OUTPUT

1.

report_num	accident_date	location	
▶ 111	2020-01-01	NR Road	
122	2020-02-02	Dalhousie Road	
133	2020-03-03	Henry Road	
144	2020-04-04	Beehive Road	
155	2020-05-05	Orange Street	
NULL	NULL	NULL	

2.

reg_num	model	year	
▶ KA031111	Accord	2005	
KA041122	MX-5	2019	
KA051133	Indica	2010	
KA061144	Prius	2015	
KA071155	Camry	2020	
NULL	NULL	NULL	

3.

driver_id	reg_num	
▶ A01	KA031111	
A02	KA041122	
A03	KA051133	
A04	KA061144	
A05	KA071155	
NULL	NULL	

4.

driver_id	reg_num	report_num	damage_amount	
▶ A01	KA031111	111	10000	
A02	KA041122	122	20000	
A03	KA051133	133	30000	
A04	KA061144	144	40000	
A05	KA071155	155	50000	
NULL	NULL	NULL	NULL	

5.

driver_id	name	address	
▶ A01	Raghu	Electronic City	
A02	Rishab	Orange County	
A03	Rufus	NR Colony	
A04	Jamal	Lawrence Park	
A05	Kevin	Rosedale	
NULL	NULL	NULL	