LAB 1- Insurance Database

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4-D

QUERIES:

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;
```
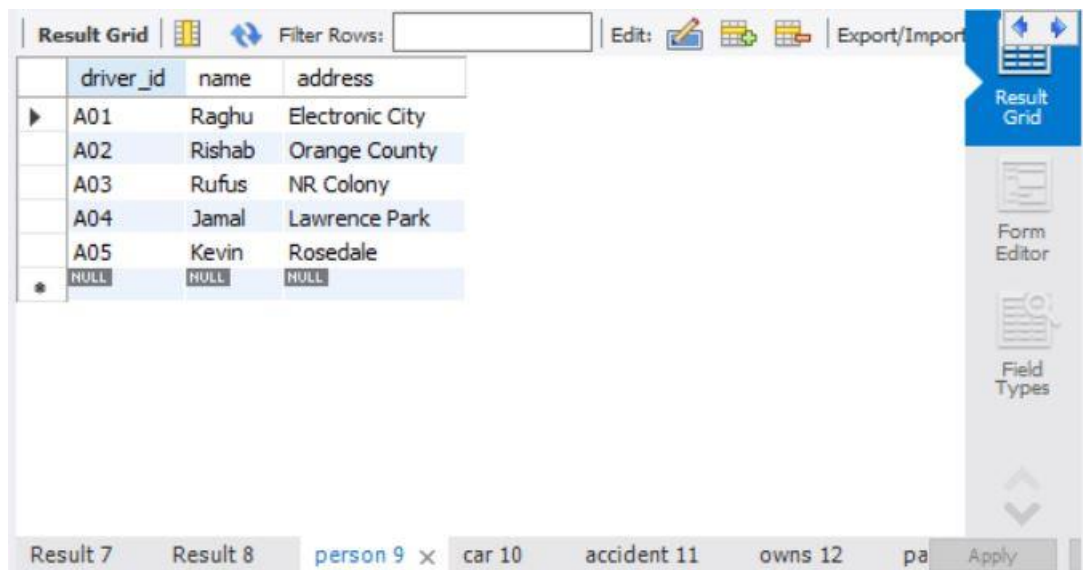
```sql
create table participated(
        driver_id varchar(10),
        reg_num varchar(10),
        report_num int,
        damage_amount int,
        primary key(driver_id,reg_num,report_num),
        foreign key(driver_id) references person(driver_id),
        foreign key(reg_num) references car(reg_num),
        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');

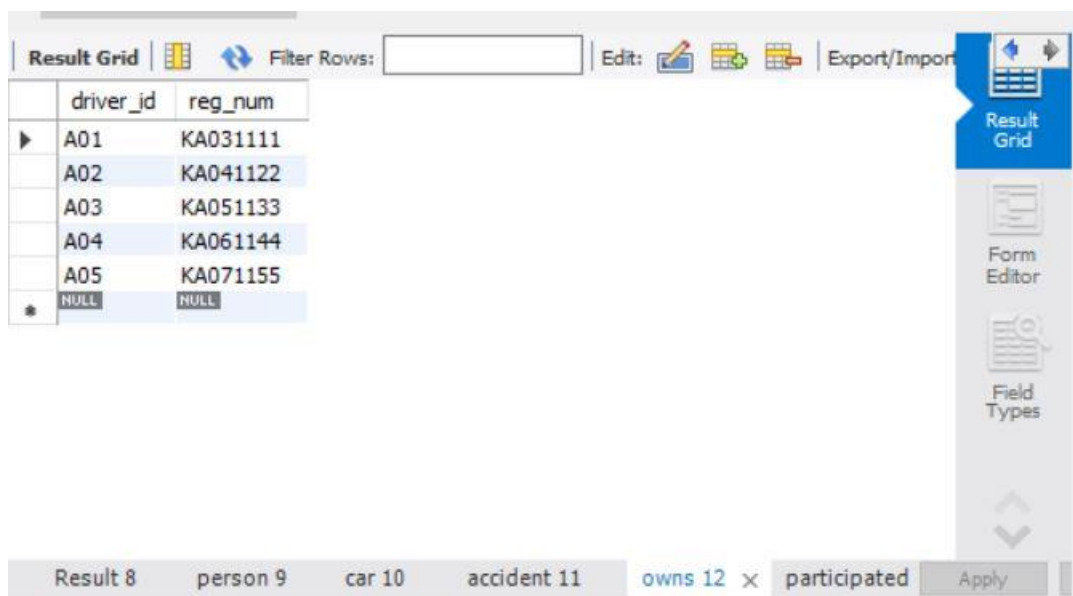insert into accident values(155,'2020-05-05','Orange Street');

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;

Additional Queries:

update participated

set damage_amount = 2500

where reg_num='KA031111';

select * from participated;

insert into accident values(101,'2008-03-08',Domlur);
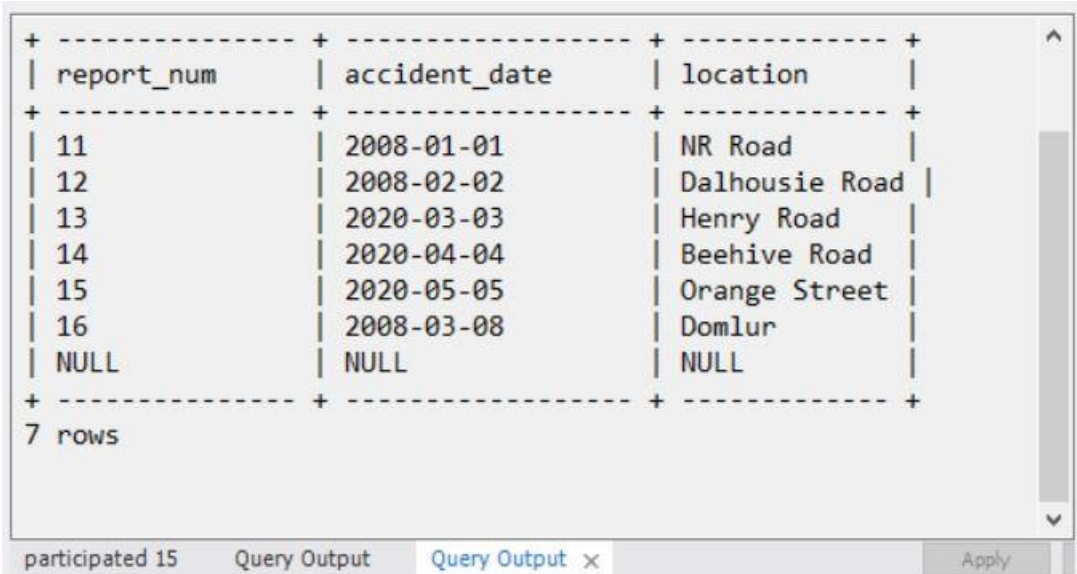
insert into participated values('A01','KA031111',101, 1001);

commit;

select * from accident;

select * from participated;

```
+ -------------- + ------------------ + ------------- +
| report_num    | accident_date      | location      |
+ -------------- + ------------------ + ------------- +
| 11            | 2008-01-01         | NR Road       |
| 12            | 2008-02-02         | Dalhousie Road |
| 13            | 2020-03-03         | Henry Road    |
| 14            | 2020-04-04         | Beehive Road  |
| 15            | 2020-05-05         | Orange Street |
| 16            | 2008-03-08         | Domlur        |
| NULL          | NULL               | NULL          |
+ -------------- + ------------------ + ------------- +
7 rows
```

participated 15   Query Output   Query Output ✕   Apply

insert into car values('KA01010', 'Indica', 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;

count(distinct driver_id)
0

Query Output   Query Output   Query Output   Result 16 ×   Read Only

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

select count(*) from participated where reg_num in (select reg_num from car where model="Indica");

count(report_num)
1

Query Output   Query Output   Query Output   Result 17 ×   Read Only