

Queries:

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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','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 Nagar');

commit;

select * from person;

insert into car values('KA031181','Lancer',1957);
insert into car values('KA041702','Audi',2005);
insert into car values('KA043408','Honda',2008);
insert into car values('KA052250','Indica',1990);
insert into car values('KA095477','Toyota',1998);

commit;

select * from car;

insert into accident values(11,'2001-01-03','Mysore Road');
insert into accident values(12,'2021-01-03','Southend Circle');
insert into accident values(13,'2020-03-03',' Bulltemple Road');
insert into accident values(14,' 2017-02-08',' Mysore Road');
insert into accident values(15,'2004-03-05','Kanakpura Road');
commit;

select * from accident;

insert into owns values ('A01','KA052250');
insert into owns values ('A02','KA043408');
insert into owns values ('A03','KA031181');

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```
insert into owns values ('A04','KA095477');
insert into owns values ('A05','KA041702');
commit;

select * from owns;

insert into participated values ('A01','KA052250',11, 25000);
insert into participated values ('A02','KA043408',12, 50000);
insert into participated values ('A03','KA031181',13, 25000);
insert into participated values ('A04','KA095477',14, 3000);
insert into participated values ('A05','KA041702',15, 5000);
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");
```

	report_num	accident_date	location
▶	11	2001-01-03	Mysore Road
	12	2002-02-04	Southend Circle
	13	2021-01-03	Bulltemple Road
	14	2017-02-08	Mysore Road
	15	2004-03-05	Kanakpura Road
•	NULL	NULL	NULL

Accident Table

	report_num	accident_date	location
▶	11	2001-01-03	Mysore Road
	12	2002-02-04	Southend Circle
	13	2021-01-03	Bulltemple Road
	14	2017-02-08	Mysore Road
	15	2004-03-05	Kanakpura Road
	16	2020-12-01	Xavier Road
	200	2008-12-01	Pinto Road
•	NULL	NULL	NULL

Accident Final Table

	reg_num	model	year
▶	KA031181	Lancer	1957
	KA041702	Audi	2005
	KA043408	Honda	2008
	KA052250	Indica	1990
	KA095477	Toyota	1998
•	NULL	NULL	NULL

Car Table

	reg_num	model	year
▶	KA01010	Accord	2002
	KA031181	Lancer	1957
	KA041702	Audi	2005
	KA043408	Honda	2008
	KA052250	Indica	1990
	KA095477	Toyota	1998
•	NULL	NULL	NULL

Car Final Table

	driver_id	reg_num
▶	A03	KA031181
	A05	KA041702
	A02	KA043408
	A01	KA052250
	A04	KA095477
•	NULL	NULL

Owns Table

	driver_id	reg_num
▶	A02	KA01010
	A03	KA031181
	A05	KA041702
	A02	KA043408
	A01	KA052250
	A04	KA095477
•	NULL	NULL

Owns Final Table

	driver_id	reg_num	report_num	damage_amount
▶	A01	KA052250	11	10000
	A02	KA043408	12	50000
	A03	KA031181	13	25000
	A04	KA095477	14	3000
	A05	KA041702	15	5000
★	NULL	NULL	NULL	NULL

Participated Table

	driver_id	reg_num	report_num	damage_amount
▶	A01	KA052250	11	25000
	A01	KA052250	16	1001
	A02	KA01010	200	500
	A02	KA043408	12	50000
	A03	KA031181	13	25000
	A04	KA095477	14	3000
	A05	KA041702	15	5000
★	NULL	NULL	NULL	NULL

Participated Table Final

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

Person Table