INSURANCE

```
create database insurance1;
use insurance1;
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));
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),
```

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foreign key(report_num) references accident(report_num));

desc participated;

insert into person values('A01','Richard','Srinivas Nagar'),

('A02','Pradeep','Rajaji nagar'),

('A03','Smith','Ashok nagar'),

('A04','Venu','N R Colony'),

('A05','Jhon','Hanumanth nagar');

commit;

select * from person;

insert into car values('KA052250','Indica',1990),

('KA031181','Lancer',1957),

('KA095477','Toyota',1998),

('KA053408','Honda',2008),

('KA041702','Audi',2005);

commit;

select *from car;

INSERT INTO accident (report_num, accident_date, location) VALUES

(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, '2005-03-04', 'Kanakpura Road');

commit;

select * from accident;

insert into owns values ('A01','KA052250'),

('A02','KA053408'),

('A03','KA031181'),

('A04','KA095477'),

('A05','KA041702');

commit;

select * from owns;

insert into participated values ('A01','KA052250',11,10000),
```

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('A02','KA053408',12,50000),

('A03','KA095477',13,25000),

('A04','KA031181',14,3000),

('A05','KA041702',15,5000);

commit;

select * from participated;


SELECT accident_date, location

FROM accident;


SELECT DISTINCT driver_id, name

FROM person

WHERE driver_id IN (

    SELECT driver_id

    FROM participated

    WHERE damage_amount >= 25000

);


SELECT name, reg_num

FROM person, owns

WHERE person.driver_id = owns.driver_id;


SELECT person.name, car.model

FROM person, owns, car

WHERE person.driver_id = owns.driver_id

AND owns.reg_num = car.reg_num;


SELECT accident.report_num, accident.accident_date, accident.location, person.name,
participated.damage_amount

FROM accident, participated, person

WHERE accident.report_num = participated.report_num

AND participated.driver_id = person.driver_id;
```

SELECT report_num, SUM(damage_amount) AS total_damage

FROM participated

GROUP BY report_num;

OUTPUT:

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

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

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	2005-03-04	Kanakpura Road

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

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

Result Grid | Filter Rows

	driver_id	name
▶	A02	Pradeep
	A03	Smith
*	NULL	NULL

Result Grid | Filter Rows:

	name	reg_num
▶	Richard	KA05...
	Pradeep	KA053408
	Smith	KA031181
	Venu	KA095477
	Jhon	KA041702

Refresh data

Result Grid | Filter

	name	model
▶	Richard	Indica
	Pradeep	Honda
	Smith	Lancer
	Venu	Toyota
	Jhon	Audi

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	report_num	accident_date	location	name	damage_amount
▶	11	2003-01-01	mysore road	Richard	10000
	12	2004-02-02	South end Circle	Pradeep	50000
	13	2003-01-21	Bull temple Road	Smith	25000
	14	2008-02-17	mysore road	Venu	3000
	15	2005-03-04	Kanakpura Road	Jhon	5000

Result Grid | Filter Rows:

	report_num	total_damage
▶	11	10000
	12	50000
	13	25000
	14	3000
	15	5000