Create the above tables by properly specifying the primary keys and the foreign keys.

create database insurance5;

use insurance5;

create table person

(driver_id char(10),

name varchar(20),

address varchar(20),

primary key(driver_id)

);

desc person;

create table car

(reg_num char(10),

model varchar(10),

year year(4),

primary key(reg_num)

);

create table owns

(driver_id char(10),

reg_num char(10),

primary key(driver_id,reg_num),

foreign key(driver_id) references person(driver_id),

foreign key(reg_num) references car(reg_num)

);

create table participated

(driver_id char(10),

reg_num char(10),

report_num int(4),

damage_amount int(6),

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)

);

create table accident

(report_num int(4),

accident_date date,

location varchar(20),

primary key(report_num)

);

desc accident;

Enter at least five tuples for each relation

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');

select * from person;

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

select * from car;

insert into car values('KA031181','Lancer',1957),('KA095477','Toyota',1998),('KA053408','Honda',2008),('KA041702','Audi',2005);

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

select * from owns;

insert into accident values(11,'2001-01-03','Mysore Road');

select * from accident;

insert into accident values(12,'2002-02-04','South end Circle'),(13,'2021-01-03','Bull temple Road'),(14,'2017-02-08','Mysore Road'),(15,'2004-03-05','Kanakpura Road');

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

insert into participated
values('A02','KA053408',12,50000),('A03','KA095477',13,25000),('A04','KA031181',14,3000),('A05','KA04 1702',15,5000);

Queries:

1. **Display Accident date and location**

select accident_date,location from accident;

```
48 •    select * from accident;
49 •    insert into accident values(12,'2002-02-04','South end Circle'),(13,'2021-01-03','Bu
50 •    insert into participated values('A01','KA052250',11,10000);
51 •    insert into participated values('A02','KA053408',12,50000),('A03','KA095477',13,2500
52 •    select accident_date,location from accident;
53
```

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

accident_date	location
2001-01-03	Mysore Road
2002-02-04	South end Circle
2021-01-03	Bull temple Road
2017-02-08	Mysore Road
2004-03-05	Kanakpura Road

2. **Update the damage amount to 25000 for the car with a specific reg_num (example 'K A053408') for which the accident report number was 12.**

update participated set damage_amount=25000

where reg_num='KA053408' AND report_num=12;

select * from participated;

```
53 •    update participated set damage_amount=25000
54      where reg_num='KA053408' AND report_num=12;
55 •    select * from participated;
56
```

Result Grid | Filter Rows: | Edit: | Export/Impo

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

participated 8 ✕

3. Add a new accident to the database.

insert into accident values(16,'2008-03-08','Domlur');

select * from accident;

```
56 •    insert into accident values(16,'2008-03-08','Domlur');
57 •    select * from accident;
58
```

Result Grid | Filter Rows: | Edit: | Export/Import:

report_num	accident_date	location
11	2001-01-03	Mysore Road
12	2002-02-04	South end Circle
13	2021-01-03	Bull temple Road
14	2017-02-08	Mysore Road
15	2004-03-05	Kanakpura Road
16	2008-03-08	Domlur

4. List the entire participated relation in the descending order of damage amount.

select * from participated order by damage_amount desc;

```
57 •    select * from accident;
58 •    select * from participated order by damage_amount desc;
59
```

Result Grid | Filter Rows: | Edit: | Export/Import:

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

participated 10

5. **Find maximum damage amount.**

select max(damage_amount) from participated;

```
58  ●    select * from participated order by damage_amount desc;
59  ●    select max(damage_amount) from participated;
60
```

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

max(damage_amount)
25000

6. **Find the average damage amount**

select avg(damage_amount) from participated;

```
59  ●    select max(damage_amount) from participated;
60  ●    select avg(damage_amount) from participated;
61
```

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

avg(damage_amount)
13600.0000

7. **Find the person details in which their name ends with letter d.**

select * from person where name like '%d';

```
54  ●    DELETE damage_amount FROM participated WHERE
55
56       damage_amount < (SELECT AVG (damage_amount) FROM participated);
57  ●    select * from person where name like '%d';
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: A

driver_id	name	address
A01	Richard	Srinivas nagar
NULL	NULL	NULL

8. **Find the car details where the year of purchase is 1995 and above.**

```
57 •    select * from person where name like '%d';
58 •    select * from car where year>=1995;
```

reg_num	model	year
KA041702	Audi	2005
KA053408	Honda	2008
KA095477	Toyota	1998
NULL	NULL	NULL

9. **Find the car details in which the register number KA052250 and KA053408 is not included.**

```
59 •    select * from car where reg_num NOT IN ('KA052250','KA053408');
```

reg_num	model	year
KA031181	Lancer	1957
KA041702	Audi	2005
KA095477	Toyota	1998
NULL	NULL	NULL

10. **Find the distinct locations from accident table.**

    select distinct location from accident;

```
60 •    select distinct location from accident;
```

location
Mysore Road
South end Circle
Bull temple Road
Kanakpura Road