

```

1 • create database IF NOT exists Insurance;
2 • show databases;
3 • use Insurance;
4 • create table person(sln varchar(5), name varchar(20), loaclity varchar(20));
5 • DESC person;
6 • INSERT INTO person(sln,name,loaclity)
7 • VALUES('A01','Richard','Srinivas nagar');
8 • SELECT * FROM person;
9 • INSERT INTO person(sln,name,loaclity)
10 • VALUES('A02','Pradeep','Rajaji nagar');
11 • INSERT INTO person(sln,name,loaclity)
12 • VALUES('A03','Smith','Ashok nagar');
13 • INSERT INTO person(sln,name,loaclity)
14 • VALUES('A04','Venu','N R colony');
15 • INSERT INTO person(sln,name,loaclity)
16 • VALUES('A05','Jhon','Hanumanth nagar');
17 • SELECT * FROM person;
18 • CREATE TABLE accident(sln INT(20), dateofaccident varchar(20), road VARCHAR(30));
19 • DESC accident;
20 • alter table accident modify column dateofaccident varchar(20);
21 • INSERT INTO accident(sln,dateofaccident,road)
22 • VALUES(11,'01-Jan-03','Mysore Road');
23 • SELECT * from accident;
24 • INSERT INTO accident(sln,dateofaccident,road)
25 • VALUES(12,'02-Feb-04','South end Circle');
26 • INSERT INTO accident(sln,dateofaccident,road)
27 • VALUES(13,'21-Jan-03','Bull temple Road');
28 • INSERT INTO accident(sln,dateofaccident,road)
29 • VALUES(14,'17-Feb-08','Mysore Road');
30 • INSERT INTO accident(sln,dateofaccident,road)
31 • VALUES(15,'04-Mar-05','Kanakpura Road');

32 • select * from accident;
33 • CREATE TABLE car(vehiclno VARCHAR(20),carname varchar(20),year INT (4));
34 • DESC car;
35 • ALTER TABLE car
36 • RENAME COLUMN year to yearE;
37 • INSERT INTO car(vehiclno,carname,yearE)
38 • VALUES('KA052250','Indica',1995);
39 • INSERT INTO car(vehiclno,carname,yearE)
40 • VALUES('KA031181','Lancer',1957);
41 • INSERT INTO car(vehiclno,carname,yearE)
42 • VALUES('KA095477','Toyota',1998);
43 • INSERT INTO car(vehiclno,carname,yearE)
44 • VALUES('KA053408','Honda',2008);
45 • INSERT INTO car(vehiclno,carname,yearE)
46 • VALUES('KA041702','Audi',2005);
47 • SELECT * from car;
48 • alter table person add constraint slno primary key(sln);

49 • alter table car add constraint vehiclno primary key(vehiclno);
50 • CREATE TABLE owns(sln varchar(20),vehiclno varchar(20),primary key(sln,vehiclno),foreign key(sln) references person(sln),foreign key(vehiclno) references car(vehiclno));
51 • select * from owns;
52 • insert into owns values('A01','KA052250');
53 • insert into owns values('A02','KA053408');
54 • insert into owns values('A03','KA031181');
55 • insert into owns values('A04','KA095477');
56 • insert into owns values('A05','KA041702');
57 • Select * from owns;
58 • alter table accident
59 • rename column slno to reportnum;
60 • alter table accident add constraint reportnum primary key(reportnum);
61 • drop table participate;
62 • create table participate(sln varchar(20),vehiclno varchar(20),
63 • reportnum int, damageamount int,
64 • primary key(sln,vehiclno,reportnum),
65 • foreign key(sln)references person(sln),
66 • foreign key(vehiclno)references car(vehiclno),
67 • foreign key(reportnum) references accident(reportnum));
68

```

sino	name	locality
A01	Richard	Srinivas nagar
A02	Pradeep	Rajaji nagar
A03	Smith	Ashok nagar
A04	Venu	N R colony
A05	Jhon	Hanumanth nagar

person 4 x

Output

Action Output

#	Time	Action	Message
8	08:30:42	SELECT * FROM person LIMIT 0, 1000	1 row(s) returned
9	08:31:28	INSERT INTO person(sino,name,locality) VALUES('A02','Pradeep','Rajaji ...	1 row(s) affected
10	08:31:54	INSERT INTO person(sino,name,locality) VALUES('A03','Smith','Ashok n...	1 row(s) affected
11	08:32:18	INSERT INTO person(sino,name,locality) VALUES('A04','Venu','N R colo...	1 row(s) affected
12	08:32:38	INSERT INTO person(sino,name,locality) VALUES('A05','Jhon','Hanuman...	1 row(s) affected
13	08:32:51	SELECT * FROM person LIMIT 0, 1000	5 row(s) returned

4) Update the damage amount to 25000 for the car with a specific reg_num (example 'KA053408') for which the accident report number was 12.

sino	vehideno	reportnum	damageamount
A01	KA052250	11	10000
A02	KA053408	12	25000
A03	KA031181	13	25000
A04	KA095477	14	3000
A05	KA041702	15	5000

5) Display the entire CAR relation in the ascending order of manufacturing year.

vehideno	carname	yearE
KA031181	Lancer	1957
KA052250	Indica	1995
KA095477	Toyota	1998
KA041702	Audi	2005
KA053408	Honda	2008
NULL	NULL	NULL

6) Find the number of accidents in which cars belonging to a specific model (example Lancer) were involved.

```
80 • select count(reportnum)COUNT from car c, participate p where c.vehicleno=p.vehicleno and carname='Lancer';
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
COUNT			
1			

7) Find the total number of people who owned cars that involved in accidents in 2008.

```
81 • select count(distinct slno) CNT from participate p, accident a where a.reportnum=p.reportnum and a.dateofaccident like '%08';
82 |
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CNT			
1			

8) LIST THE ENTIRE PARTICIPATED RELATION IN THE DESCENDING ORDER OF DAMAGE AMOUNT.

```
82 • select * from participate order by damageamount desc;
```

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
slno	vehicleno	reportnum	damageamount	
A02	KA053408	12	25000	
A03	KA031181	13	25000	
A01	KA052250	11	10000	
A05	KA041702	15	5000	
A04	KA095477	14	3000	
NULL	NULL	NULL	NULL	

9) FIND THE AVERAGE DAMAGE AMOUNT.

```
83 • select avg(damageamount)AVG from participate;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
AVG			
13600.0000			

10) DELETE THE TUPLE FROM PARTICIPATED RELATION WHOSE DAMAGE AMOUNT IS BELOW THE AVERAGE DAMAGE AMOUNT.

```
86 • DELETE FROM participate WHERE damageamount<(select avg_damage from (select avg(damageamount) as avg_damage from participate) as subquery_avg);
87 • select * from participate;
```

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
slno	vehicleno	reportnum	damageamount	
A02	KA053408	12	25000	
A03	KA031181	13	25000	
NULL	NULL	NULL	NULL	

11) LIST THE NAME OF DRIVERS WHOSE DAMAGE IS GREATER THAN THE AVERAGE DAMAGE AMOUNT.

```
85 • select name from person a, participate b where a.sino=b.sino and damageamount>(select avg(damageamount) from participate);
```

Result Grid		Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	name			
▶	Pradeep			
	Smith			

12) FIND MAXIMUM DAMAGE AMOUNT.

```
86 • select MAX(damageamount) from participate;
```

Result Grid		Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	MAX(damageamount)			
▶	25000			