

```

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

32 •  select * from accident;
33 •  CREATE TABLE car(vehicleno 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(vehicleno,carname,yearE)
38  VALUES('KA052250','Indica',1995);
39 •  INSERT INTO car(vehicleno,carname,yearE)
40  VALUES('KA031181','Lancer',1957);
41 •  INSERT INTO car(vehicleno,carname,yearE)
42  VALUES('KA095477','Toyota',1998);
43 •  INSERT INTO car(vehicleno,carname,yearE)
44  VALUES('KA053408','Honda',2008);
45 •  INSERT INTO car(vehicleno,carname,yearE)
46  VALUES('KA041702','Audi',2005);
47 •  SELECT * from car;
48 •  alter table person add constraint slno primary key(slno);

49 •  alter table car add constraint vehicleno primary key(vehicleno);
50 •  CREATE TABLE owns(slno varchar(20),vehicleno varchar(20),primary key(slno,vehicleno),foreign key(slno) references person(slno),foreign key(vehicleno) references car(vehicleno));
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(slno varchar(20),vehicleno varchar(20),
63  reportnum int, damageamount int,
64  primary key(slno,vehicleno,reportnum),
65  foreign key(slno)references person(slno),
66  foreign key(vehicleno)references car(vehicleno),
67  foreign key(reportnum) references accident(reportnum));
68

```

	slno	name	loadity
▶	A01	Richard	Srinivas nagar
	A02	Pradeep	Rajaji nagar
	A03	Smith	Ashok nagar
	A04	Venu	N R colony
	A05	Jhon	Hanumanth nagar

person 4 ×

Output:

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

	slno	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 sno) 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:
sno	vehicleno	reportnum	damageamount		
▶	A02	KA053408	12	25000	
	A03	KA031181	13	25000	
	A01	KA052250	11	10000	
	A05	KA041702	15	5000	
	A04	KA095477	14	3000	
*	HULL	HULL	HULL	HULL	

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:
sno	vehicleno	reportnum	damageamount		
▶	A02	KA053408	12	25000	
	A03	KA031181	13	25000	

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.slno=b.slno and damageamount>(select avg(damageamount) from participate); |
```

Result Grid			Filter Rows:		Export:		Wrap Cell Content:	
	name							
▶	Pradeep							
	Smith							

12) FIND MAXIMUM DAMAGE AMOUNT.

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

Result Grid			Filter Rows:		Export:		Wrap Cell Content:	
	MAX(damageamount)							
▶	25000							