```
create database insurance:
show databases;
use insurance;
create table person (
  driver_id varchar(10) primary key,
  name varchar(20),
  address varchar(30)
);
create table car (
  reg num varchar(10) primary key,
  model varchar(10),
  year int
);
create table accident (
  report num int primary key,
  accident_date date,
  location varchar(20)
);
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)
);
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)
);
-- PERSON
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');
select * from person;
-- CAR
insert into car values('KA052250','Indica',1990);
insert into car values('KA031181','Lancer',1957);
insert into car values('KA095477','Toyota',1998);
insert into car values('KA053408','Honda',2008);
insert into car values('KA041702','Audi',2005);
select * from car;
-- ACCIDENT
insert into accident values(11,'01-JAN-03','Mysore Road');
insert into accident values(12,'02-FEB-04','Southend Circle');
insert into accident values(13,'21-JAN-03','Bulltemple Road');
insert into accident values(14,'17-FEB-08','Mysore Road');
insert into accident values(15,'04-MAR-05','Kanakpura Road');
select * from accident:
-- OWNS
insert into owns values('A01','KA052250');
insert into owns values('A02','KA053408');
insert into owns values('A03','KA095477');
insert into owns values('A04','KA031181');
insert into owns values('A05','KA041702');
select * from owns:
```

```
-- PARTICIPATED
insert into participated values('A01','KA052250',11,10000);
insert into participated values('A02','KA053408',12,50000);
insert into participated values('A03','KA095477',13,25000);
insert into participated values('A04', 'KA031181', 14, 3000);
insert into participated values('A05','KA041702',15,5000);
select * from participated;
update participated
set damage amount = 25000
where reg num = 'KA053408' and report_num = 12;
insert into accident values(16,'15-MAR-08','Domlur');
select accident date, location
from accident;
select driver id
from participated
where damage amount >= 25000;
```

LAB 2

```
10 Queries

Query 1

UPDATE participated

SET damage_amount = 25000

WHERE reg_num = 'KA053408' AND report_num = 12;

INSERT INTO accident (report_num, accident_date, location)

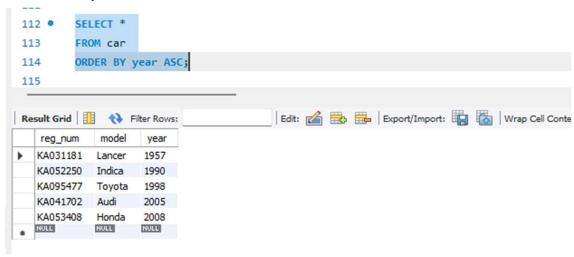
VALUES (17, '2008-03-15', 'majestic');
```

Query 2

SELECT *

FROM car

ORDER BY year ASC;



Query 3

SELECT COUNT(report_num) AS CNT

FROM car c, participated p

WHERE c.reg_num = p.reg_num AND c.model = 'Lancer';



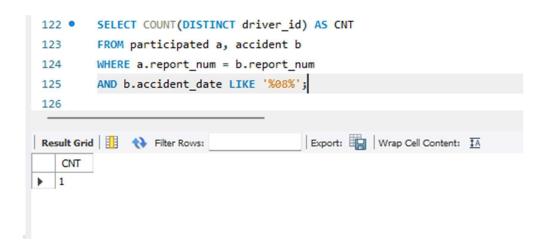
Query 4

SELECT COUNT(DISTINCT driver id) AS CNT

FROM participated a, accident b

WHERE a.report num = b.report num

AND b.accident date LIKE '%08%';



Query 5

SELECT COUNT(DISTINCT a.driver id) AS CNT

FROM participated a, accident b, car c

WHERE a.report_num = b.report_num

AND $a.reg_num = c.reg_num$

AND b.accident_date LIKE '%08%'

AND c.model = 'Lancer';

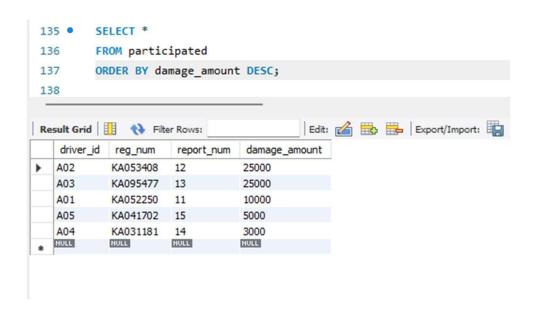


Query 6

SELECT *

FROM participated

ORDER BY damage_amount DESC;



SELECT AVG(damage_amount)

FROM participated;

```
Query 8

DELETE p

FROM participated p

JOIN (

SELECT AVG(damage_amount) AS avg_damage

FROM participated
) avg_table

WHERE p.damage amount < avg_table.avg_damage;
```

```
DELETE p

145 FROM participated p

146 → JOIN (

147 SELECT AVG(damage_amount) AS avg_damage

148 FROM participated

149 ) avg_table

150 WHERE p.damage_amount < avg_table.avg_damage;
```

Query 9

SELECT name

FROM person a, participated b

WHERE a.driver_id = b.driver_id

AND b.damage_amount > (SELECT AVG(damage_amount) FROM participated);



Query 10

SELECT MAX(damage amount)

FROM participated;

