**INSURANCE DATABASE**

show databases;

create database swati;

use swati;

create table persons

(

driver\_id varchar(10),

name varchar(20),

address varchar(30),

primary key(driver\_id)

);

create table cars (

reg\_num varchar(10),

model varchar(10),

year int, primary key(reg\_num));

create table accidents(

report\_num int,

accident\_date date,

location varchar(20),

primary key(report\_num));

create table own

(

driver\_id varchar(10),

reg\_num varchar(10),

primary key(driver\_id, reg\_num),

foreign key(driver\_id) references persons(driver\_id),

foreign key(reg\_num) references cars(reg\_num)

);

create table participateds

(

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 persons(driver\_id),

foreign key(reg\_num) references cars(reg\_num),

foreign key(report\_num) references accidents(report\_num)

);

INSERT INTO persons(driver\_id, name, address) VALUES

('A01', 'Richard', 'Shrinivas Nagar'),

('A02', 'Pradeep', 'Rajaji Nagar'),

('A03', 'Smith', 'Ashok Nagar'),

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

('A05', 'John', 'Hanumanth Nagar');

insert into cars(reg\_num, model, year) values

('KA052250', "Indica", 1990) ,

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

('KA095477', 'Toyata', 1998),

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

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

insert into own values

('A01', 'KA052250'),

('A02', 'KA053408'),

('A03', 'KA031181'),

('A04', 'KA095477'),

('A05', 'KA041702');

insert into accidents values

(11, '2003-02-02', 'Mysore Road'),

(12, '2004-01-21', 'South End Circle'),

(13, '2008-02-17', 'Bull Temple Road'),

(14, '2005-03-04', 'Mysore Road'),

(15, '2001-01-01', 'Kanakpura Road');

insert into participateds values

('A01', 'KA052250', 11, 10000),

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

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

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

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

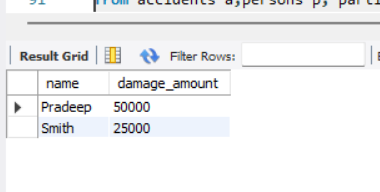
**QUERIES:**

1.

select p.name ,damage\_amount

from persons p, participateds part

where p.driver\_id=part.driver\_id and damage\_amount >=25000;

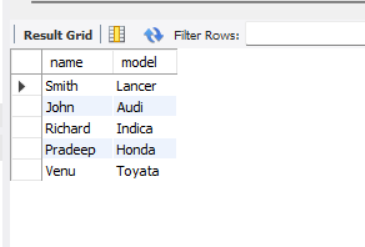


2.

select p.name,c.model

from persons p,cars c, own o

where p.driver\_id = o.driver\_id and c.reg\_num = o.reg\_num;

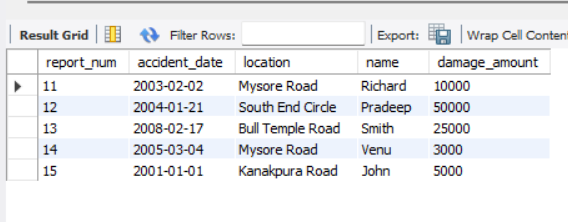


3.

select a.report\_num,a.accident\_date,a.location,p.name,part.damage\_amount

from accidents a,persons p, participateds part

where a.report\_num = part.report\_num and p.driver\_id = part.driver\_id;

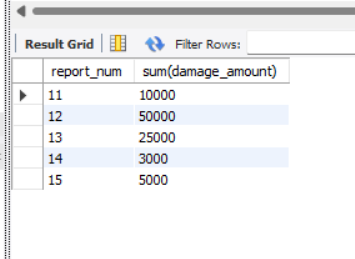


4.

select report\_num ,sum(damage\_amount)

from participateds

group by report\_num;



5.

select p.name

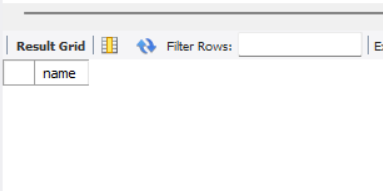
from persons p ,accidents a

where (

select count(reg\_num)

from participateds d

where d.report\_num = a.report\_num and p.driver\_id = d.driver\_id )>1;



6.

select c.model

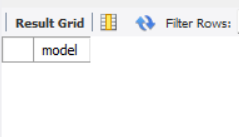
from cars c

where reg\_num not in (

select reg\_num

from participateds d, accidents a

where d.report\_num = a.report\_num);



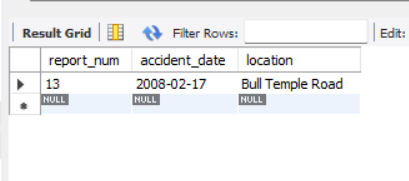
7.

select \*

from accidents

order by accident\_date desc

limit 1;

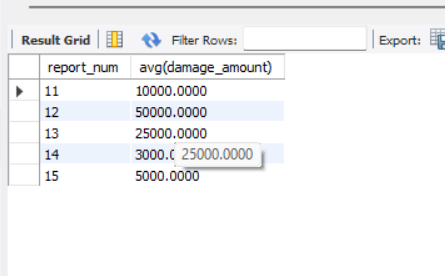


8.

select report\_num ,avg(damage\_amount)

from participateds

group by report\_num;



9.

select d.report\_num,p.name,d.damage\_amount

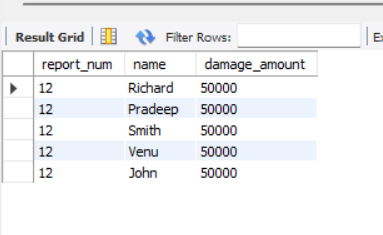
from persons p ,participateds d

where damage\_amount = (

select max(damage\_amount)

from participateds

);



10.

select p.driver\_id,p.name

from persons p

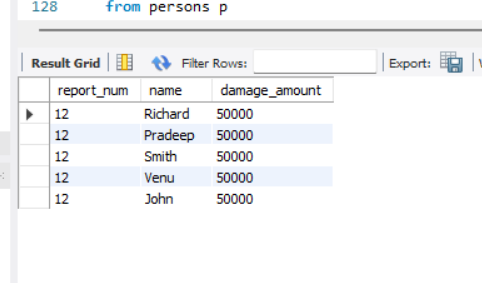
where p.driver\_id in (

select driver\_id

from participateds

where damage\_amount = (select max(damage\_amount) from participateds)

);



11.

select c.reg\_num,c.model

from cars c,accidents a

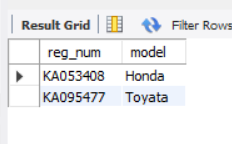
where reg\_num in (

select d.reg\_num

from participateds d

where d.report\_num = a.report\_num and d.damage\_amount>20000

);



12.

CREATE VIEW accident\_summary AS

SELECT

a.report\_num,

a.accident\_date,

a.location,

COUNT(p.driver\_id) AS participant\_count,

SUM(p.damage\_amount) AS total\_damage

FROM

accidents a

LEFT JOIN

participateds p ON a.report\_num = p.report\_num

GROUP BY

a.report\_num, a.accident\_date, a.location;

select \*

from accident\_summary

