# **INSURANCE**

**INPUTS:**

create database insurance;

use insurance;

create table person

(driver\_id char(10),

name varchar(20),

address varchar(20),

primary key(driver\_id));

show tables;

desc person;

create table car

(reg\_num char(10),

model varchar(15),

year year,

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) on update cascade,

foreign key(reg\_num) references car(reg\_num) on update cascade);

create table accident

(report\_num varchar(10),

accident\_date date,

location varchar(15),

primary key(report\_num));

create table participated

(driver\_id char(10),

reg\_num char(10),

report\_num varchar(10),

damage\_amount varchar(10),

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

foreign key(driver\_id) references person(driver\_id) on update cascade,

foreign key(reg\_num) references car(reg\_num) on update cascade,

foreign key(report\_num) references accident(report\_num) on update cascade);

insert into person values('A01','Richard','Srinivas nagar'),('A02','Pradeep','Rajaji nagar'),

('A03','Smith','Ashok nagar'),('A04','Venu','NR Colony'),('A05','Jhon','Hanumanth nagar');

select \* from person;

insert into car values('KA052250','Indica','1990'),('KA031181','Lancer','1957'),

('KA095477','Toyota','1998'),('KA053408','Honda','2008'),('KA041702','Audi','2005');

insert into accident values(11,'2003-01-01','Mysore Road'),(12,'2004-02-02','South end circle'),

(13,'2003-01-21','Bull temple Road'),(14,'2008-02-17','Mysore Road'),(15,'2005-03-04','Kanakpura Road');

alter table accident modify location varchar(30);

select \* from accident;

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

select \* from owns;

insert into participated values('A01','KA052250',11,10000),('A02','KA053408',12,50000),('A03','KA095477',13,25000),

('A04','KA031181',14,3000),('A05','KA041702',15,5000);

select \* from participated;

update person set name = 'John' where driver\_id = 'A05';

**Query Inputs:**

select accident\_date,location from accident;

select driver\_id from participated where damage\_amount >=25000;

select \* from participated order by damage\_amount desc;

select avg(damage\_amount) from participated;

select name from person A,participated B where A.driver\_id = B.driver\_id and damage\_amount > (select avg(damage\_amount) from participated);

select max(damage\_amount) from participated;

**OUTPUTS:**

accident\_date location

2003-01-01 Mysore Road

2004-02-02 South end circle

2003-01-21 Bull temple Road

2008-02-17 Mysore Road

2005-03-04 Kanakpura Road

driver\_id

A02

A03

driver\_id reg\_num report\_num damage\_amount

A04 KA031181 14 3000

A05 KA041702 15 5000

A01 KA052250 11 10000

A03 KA095477 13 25000

A02 KA053408 12 50000

avg(damage\_amount)

18600.0000

name

Pradeep

Smith

max(damage\_amount)

50000

**FINAL QUERY:**

delete from participated where damage\_amount<(select avg(damage\_amount) from participated);

**output:** **Error Code: 1093. You can't specify target table 'participated' for update in FROM clause**

**SO I DID THIS:**

create temporary table participated\_copy like participated;

insert into participated\_copy select \* from participated;

delete from participated where damage\_amount<(select avg(damage\_amount) from participated\_copy);

**output: Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses a KEY column. To disable safe mode, toggle the option in Preferences -> SQL Editor and reconnect.**

SET SQL\_SAFE\_UPDATES=0;

**And got the output as:**

driver\_id reg\_num report\_num damage\_amount

A02 KA053408 12 50000

A03 KA095477 13 25000