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**PROGRAM 1 = INSURANCE DATABASE**

create database insurance;

use insurance;

create table person(driver\_id varchar(10),name varchar(10),address varchar(30),primary key(driver\_id));

desc person;

create table car(reg\_num varchar(10),model varchar(20),year int,primary key(reg\_num));

desc car;

create table accident(report\_num int,accident\_date date,location varchar(30),primary key(report\_num));

desc accident;

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));

desc owns;

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));

desc participated;

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');

commit;

select \* from person;

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);

commit;

select \* from car;

insert into accident values(11,'2003-01-01','Mysore Road');

insert into accident values(12,'2004-02-02','Southend Circle');

insert into accident values(13,'2003-01-21','Bull Temple Road');

insert into accident values(14,'2008-02-17','Mysore Road');

insert into accident values(15,'2005-03-04','Kanakpura Road');

commit;

select \* from accident;

insert into owns values('A01','KA052250');

insert into owns values('A02','KA053408');

insert into owns values('A03','KA031181');

insert into owns values('A04','KA095477');

insert into owns values('A05','KA041702');

commit;

select \* from owns;

insert into participated values('A01','KA052250',11,10000);

insert into participated values('A02','KA053408',12,50000);

insert into participated values('A03','KA031181',13,25000);

insert into participated values('A04','KA095477',14,3000);

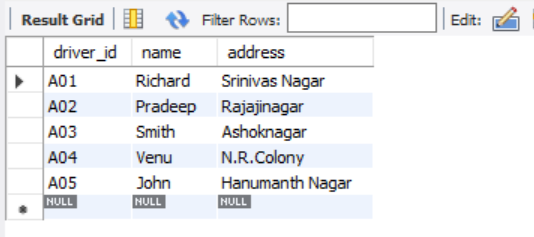
insert into participated values('A05','KA041702',15,5000);

commit;

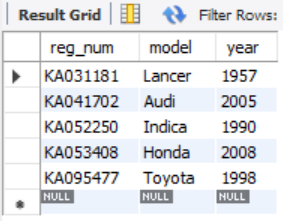
select \* from participated;

TABLES:

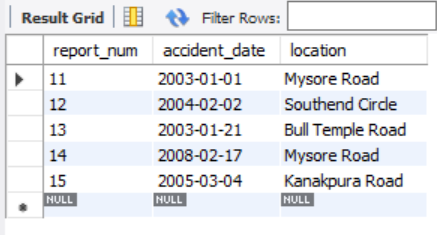
1. person



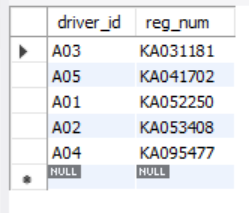
1. car



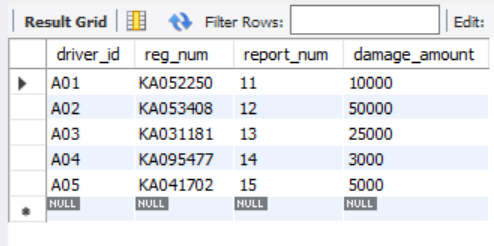
1. accident



1. owns



1. participated

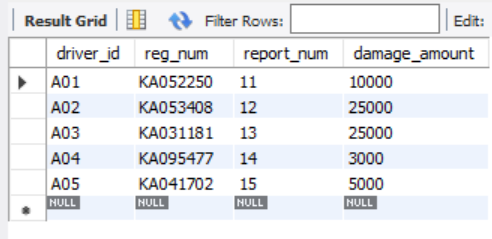


QUERIES:

1. Update the damage amount to 25000 for the car with a specific reg-num(example 'KA053408') for which the accident report number was 12.

update participated set damage\_amount=25000 where report\_num=12 and reg\_num='KA053408';

select \* from participated;



1. Add a new accident to the database.

insert into accident values(16,'2008-07-14','M.G Road');

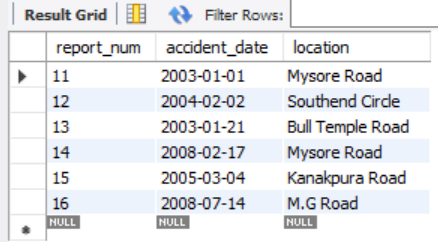
insert into person values('A06','Rohit','Basavanaguddi');

insert into car values('KA018489','Santro', 2002);

insert into participated values('A06','KA018489',16,15000);

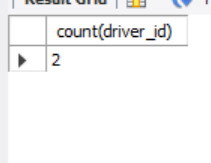
commit;

select \* from accident;



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

select count(driver\_id) from participated p,accident a where a.accident\_date like '2008%' and p.report\_num=a.report\_num;



1. Find the number of accidents in which cars belonging to a specific model (example ‘Toyota’)were involved.

select count(\*) from car c,participated p where c.reg\_num=p.reg\_num and c.model='Toyota';

