LAB PROGRAM 1

create database newcar;  
use newcar;  
create table person(  
 driver\_id varchar(100),  
 name varchar(25),  
 primary key (driver\_id)  
);  
  
create table car(  
 regno varchar(10),  
 model varchar(50),  
 year int,  
 primary key (regno)  
);  
  
create table accident(  
 repno int,  
 dte date,  
 location varchar(25),  
 primary key(repno)  
);  
  
create table owns(  
 driver\_id varchar(100),  
 regno varchar(10),  
 primary key(driver\_id,regno),  
 foreign key(driver\_id) references person(driver\_id) on delete cascade on update cascade,  
 foreign key(regno) references car(regno) on delete cascade on update cascade  
);  
  
create table participated(  
 driver\_id varchar(10),  
 regno varchar(10),  
 damage\_amount int,  
 foreign key(driver\_id) references person(driver\_id),  
 foreign key(regno) references person(regno),  
 foreign key(repno) references accident(repno)  
);  
  
insert into person(driver\_id,name,address)   
values  
("a11","Pranav","Bangalore"),  
("a12","Aitya","Pune"),  
("a13","Akash","Bangalore"),  
("a14","Neha","Chennai"),  
("a15","Pooja","Lucknow");  
  
insert into car(regno,model,year)   
values  
("t11","AB",2021),  
("t12","BC",2020),  
("x13","CD",2011),  
("x14","DE",2012),  
("x15","EF",2013);  
  
insert into accident(repno,dte,location)   
values  
(123,"2008-2-5","jaynagar"),  
(124,"2007-11-5","indiranagar"),  
(125,"2008-8-5","indirangar"),  
(126,"2008-7-5","koramangala"),  
(127,"2009-6-5","marathalli");  
  
insert into owns(driver\_id,regno)   
values  
("a11","t11"),  
("a12","t12"),  
("a13","x13"),  
("a14","x14"),  
("a15","x15");  
  
insert into participated(driver\_id,regno,repno,damage\_amount)   
values  
("a11","t11",123,1000),  
("a12","t12",124,2000),  
("a13","x13",125,1000),  
("a14","x14",126,2000),  
("a15","x15",127,1000);  
  
UPDATE participated   
 set damage\_amount = 2500   
 where regno = ‘x13’ AND repno=123;  
   
insert into accident values(111,2008-01-12,'indiranagar');  
  
  
select count(\*) from accident where dte between '2008-01-01' and '2008-12-31';  
  
select count(\*) from participated  
join car on car.regno = participated.regno  
where car.model ="AB";