Consider the Insurance database given below. The primary keys are underlined and the data types are specified.

PERSON (driver-id #: String, name: String, address: String)

CAR (Regno: String, model: String, year: int)

ACCIDENT (report-number: int, date: date, location: String)

OWNS (driver-id #: String, Regno: String)

PARTICIPATED (driver-id: String, Regno: String, report-number: int, damage-amount: int)

i. Create the above tables by properly specifying the primary keys and the foreign keys.

create table person

(driver\_id varchar(10),

name varchar(25),

address varchar(100),

primary key (driver\_id)

);

create table car

(regno varchar(10),

model varchar(5),

year int,

primary key (regno)

);

create table accident

(repno int,

dte date,

location varchar(25),

primary key(repno)

);

create table owns

(driver\_id varchar(10),

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),

repno int,

damage\_amount int,

primary key(driver\_id,regno,repno),

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

foreign key(regno) references person(regno),

foreign key(repno) references person(repno)

);

ii. Enter at least five tuples for each relation.

insert into person(driver\_id,name,address)

values

("a11","Adarsh","Bangalore"),

("a12","Sachin","Mumbai"),

("a13","Sathish","Chennai"),

("a14","Pratik","Pune"),

("a15","Kajal","Lucknow");

insert into car(regno,model,year)

values

("kar11","AB",2021),

("kar12","AC",2020),

("kar13","AD",2011),

("kar14","AE",2012),

("kar15","AF",2013);

insert into accident(repno,dte,location)

values

(423,"2021-2-20","jaynagar"),

(424,"2021-1-20","JP nagar"),

(425,"2020-4-20","Basavanagudi"),

(426,"2020-5-20","Banshankari"),

(427,"2020-6-20","Hulimavu");

insert into owns(driver\_id,regno)

values

("a11","kar11"),

("a12","kar12"),

("a13","kar13"),

("a14","kar14"),

("a15","kar15");

insert into participated(driver\_id,regno,repno,damage\_amount)

values

("a11","kar11",423,2500),

("a12","kar12",424,2000),

("a13","kar13",425,2700),

("a14","kar14",426,3000),

("a15","kar15",427,5000);

iii.Demonstrate how you

a.Update the damage amount for the car with a specific Regno in the accident with report number 425 to 25000.

UPDATE participated

set damage\_amount = 25000

where regno = ‘kar13’ AND repno=423;

b. Add a new accident to the database.

insert into accident values(428,2021-01-12,'Javadeva');

iv. Find the total number of people who owned cars that involved in accidents in 2020.

select count(\*) from accident where dte between '2020-01-01' and '2020-12-31';

v. Find the number of accidents in which cars belonging to a specific model were involved.

select count(\*) from participated

join car on car.regno = participated.regno

where car.model ="AD";