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)

create database insurance;

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

create table person(

driver\_id varchar(10);

name char(20);

address varchar(30),

primary key(driver\_id));

create table car(

regno varchar(10),

model varchar(30),

year int,

primary key(regno));

create table accident(

report\_number int,

date date,

location varchar(30),

primary key(report\_number));

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),

Report\_number int,

Damage\_amount int,

primary key(Driver\_id,Regno,Report\_number),

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

foreign key(Regno) references car(Regno),

foreign key(Report\_number) references accident(Report\_number));

ii. Enter at least five tuples for each relation.

insert into person(Driver\_id,Name,Address)

values

('P001', 'PREETHI', 'BASAVANAGUDI'),

('P002', 'ANAND', 'KORAMANGALA'),

('P003', 'VISHAL', 'JAYNAGAR'),

('P004', 'JAY', 'DASARAHALLI'),

('P005', 'SHUBHA', 'KORAMANGALA');

INSERT INTO car (Regno, Model, Year) VALUES

('KA02AB1212', 'SUZUKI', 2001),

('KA05MA7634', 'RENAULT KWID', 2013),

('KA10BA1276', 'TATA ALTROZ', 2010),

('KA16AMN125', 'MAHINDRA SCORPIO', 2007),

('KA17AD4523', 'HYUNDAI I20', 2003);

insert into accident(Report\_number,date,Location) values

(0001, '2019-12-20', 'Jayanagar'),

(0009, '2020-07-23', 'Basavanagudi'),

(0011, '2020-12-23','MG Road'),

(0015, '2020-09-11', 'BTM layout'),

(0017, '2021-01-09', 'Kormangala');

INSERT INTO owns(Driver\_id, Regno)

VALUES

('P002', 'KA02AB1212'),

('P005', 'KA05MA7634'),

('P004', 'KA10BA1276'),

('P003', 'KA16AMN125'),

('P003', 'KA17AD4523');

INSERT INTO participated (Driver\_id, Regno, Report\_number, Damage\_amount)

VALUES

('P002', 'KA02AB1212', 0001, 2000),

('P005', 'KA05MA7634', 0009, 1250),

('P004', 'KA10BA1276', 0011, 1000),

('P003', 'KA16AMN125', 0015, 1500),

('P003', 'KA17AD4523', 0017, 5000);

iii.Demonstrate how you

a.Update the damage amount for the car with a specific Regno in the accident with report number 11 to

25000.

UPDATE participated

set damage\_amount = 25000

where regno = ‘KA10BA1276’ AND report\_number=11;

b. Add a new accident to the database.

insert into accident values(0020,2021-02-12,'Jalahalli');

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

select count(\*) from accident where date 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 ="TATA ALTROZ";