INSURANCE DATABASE~ Mahantesh Gattina 1BM19CS219

```
CREATE SCHEMA insurance;

CREATE TABLE person(
    driver_id CHAR(10) NOT NULL,
    name CHAR(20) NOT NULL,
    address VARCHAR(30) NOT NULL,
    PRIMARY KEY(driver_id)
    );

CREATE TABLE car(
    reg_num CHAR(10) NOT NULL,
    model CHAR(10) NOT NULL,
    year INT NOT NULL,
    PRIMARY KEY(reg_num)
);

CREATE table accident(
    report_num INT NOT NULL,
    accident_date DATE,
    location VARCHAR(30) NOT NULL,
    PRIMARY KEY(report_num)
);

CREATE TABLE owns(
    driver_id CHAR(10) NOT NULL,
    reg_num CHAR(10) NOT NULL
);

ALTER TABLE owns
ADD FOREIGN KEY(driver_id) REFERENCES person(driver_id),
ADD FOREIGN KEY(reg_num) REFERENCES car(reg_num);

CREATE TABLE participated(
    driver_id CHAR(10) NOT NULL,
    reg_num   CHAR(10) NOT NULL,
    report_num INT NOT NULL,
    damage_amount INT NOT NULL,
    FOREIGN KEY(driver_id) REFERENCES person(driver_id),
    FOREIGN KEY(reg_num) REFERENCES car(reg_num),
    FOREIGN KEY(report_num) REFERENCES accident(report_num)
);
```

```
INSERT INTO person(driver_id, name, address)
VALUES
('A01','DAVID','Srinivas Nagar'),
('A02','BRIAN','Ashok Nagar'),
('A03','DOUGH','Majestic'),
('A04','EMMA','Kadugodi'),
('A05','LLOYD','Malleshwaram');


INSERT INTO car(reg_num,model,year)
VALUES
('KA051234','Indica',2016),
('KA051235','Baleno',2017),
('KA051236','Tavera',2018),
('KA051237','Scorpio',2019),
('KA051238','Swift',2020);



INSERT INTO owns
(driver_id,reg_num)
VALUES
('A01','KA051234'),
('A02','KA051235'),
('A03','KA051236'),
('A04','KA051237'),
('A05','KA051238');
```

```
INSERT INTO participated (driver_id,reg_num,report_num,damage_amount) VALUES ('A01
','KA051234',1,5000), ('A02','KA051235',2,10000), ('A03','KA051236',3,15000), ('A04',
'KA051237',4,20000), ('A05','KA051238',5,25000)
```

```
INSERT INTO person (driver_id, name, address) VALUES ('A06','RICHARD','ShivNagara')

INSERT INTO car (reg_num, model, year) VALUES ('KA051239','Tavera',2021)
```

```
INSERT INTO owns (driver_id, reg_num) VALUES ('A06', 'KA051239');
```

```
INSERT INTO accident (report_num, accident_date, location) VALUES (12, '2005-03-12', 'MG road')

INSERT    INTO participated
(driver_id, reg_num, report_num, damage_amount)
VALUES
('A06','KA051239',12,30000);
```

Dumping data for table accident

1 2003-01-01 Mysore Road

2 2005-01-02 Mangalore Road

3 2007-01-06 Ashok Nagar

4 2008-05-05 Nagarabhavi

5 2021-01-01 MG road

12 2005-03-12 MG road

Dumping data for table car

KA051234 Indica 2016

KA051235 Baleno 2017

KA051236 Tavera 2018

KA051237 Scorpio 2019

KA051238 Swift 2020

KA051239 Tavera 2021

Dumping data for table owns

A01 KA051234

A02 KA051235

A03 KA051236

A04 KA051237

A05 KA051238

A06 KA051239

A06 KA051239

Dumping data for table participated

A01 KA051234 1 5000

A02 KA051235 2 10000

A03 KA051236 3 15000

A04 KA051237 4 20000

A05 KA051238 5 25000

A06 KA051239 12 30000

Dumping data for table person

A01 DAVID Srinivas Nagar

A02 BRIAN Ashok Nagar

A03 DOUGH Majestic

A04 EMMA Kadugodi

A05 LLOYD Malleshwaram

A06 RICHARD ShivNagara

a.Update the damage amount for the car with a specific Regno in the accident

with report number 12 to 25000

```
UPDATE participated
SET damage_amount = 25000
WHERE report_num = 12
AND reg_num = 'KA051239'
```

driver_id	reg_num	report_num	damage_amount
A01	KA051234	1	5000
A02	KA051235	2	10000
A03	KA051236	3	15000
A04	KA051237	4	20000
A05	KA051238	5	25000
A06	KA051239	12	25000

b. Add a new accident to the database.

```
INSERT INTO accident
(report_num, accident_date, location)
VALUES
(13,'2021-05-19','Ballari');
```

eport_num	accident_date
1	2003-01-01
2	2005-01-02
3	2007-01-06
4	2008-05-05
5	2021-01-01
12	2005-03-12
13	2021-05-19

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

2008

COUNT(DISTINCT driver_id)
1

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

involved.

count(reg_num)
1