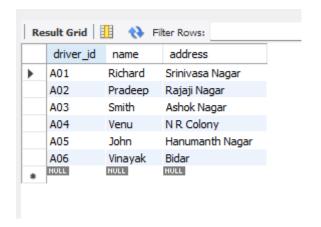
```
CREATE DATABASE Insurance;
USE Insurance;
CREATE TABLE person (
  driver_id VARCHAR(10) PRIMARY KEY,
  name VARCHAR(50),
  address VARCHAR(100)
);
CREATE TABLE car (
  reg_num VARCHAR(10) PRIMARY KEY,
  model VARCHAR(30),
 year INT
);
CREATE TABLE accident (
  report_num INT PRIMARY KEY,
  accident_date DATE,
  location VARCHAR(50)
);
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),
```

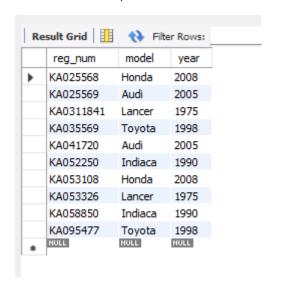
```
FOREIGN KEY (reg_num) REFERENCES car(reg_num)
);
CREATE TABLE participated (
  driver_id VARCHAR(10),
  reg_num VARCHAR(10),
  report_num INT,
  damage_amount INT,
  PRIMARY KEY (driver_id, report_num, reg_num),
  FOREIGN KEY (driver_id) REFERENCES person(driver_id),
  FOREIGN KEY (reg_num) REFERENCES car(reg_num),
  FOREIGN KEY (report_num) REFERENCES accident(report_num)
);
INSERT INTO person VALUES
('A01', 'Richard', 'Srinivasa Nagar'),
('A02', 'Pradeep', 'Rajaji Nagar'),
('A03', 'Smith', 'Ashok Nagar'),
('A04', 'Venu', 'N R Colony'),
('A05', 'John', 'Hanumanth Nagar'),
('A06', 'Vinayak', 'Bidar');
INSERT INTO car VALUES
('KA052250', 'Indiaca', 1990),
('KA053326', 'Lancer', 1975),
('KA035569', 'Toyota', 1998),
('KA025568', 'Honda', 2008),
('KA025569', 'Audi', 2005);
```

```
INSERT INTO accident VALUES
(11, '2003-01-01', 'Mysore Road'),
(12, '2004-02-02', 'Southend Circle'),
(13, '2003-01-21', 'Bull Temple'),
(14, '2008-02-17', 'Mysore Road'),
(15, '2005-03-04', 'Kanyakumari'),
(16, '2015-03-08', 'Domlur');
INSERT INTO owns VALUES
('A01', 'KA052250'),
('A02', 'KA053326'),
('A03', 'KA035569'),
('A04', 'KA025568'),
('A05', 'KA025569');
INSERT INTO participated VALUES
('A01', 'KA052250', 11, 10000),
('A02', 'KA053326', 12, 25000),
('A03', 'KA035569', 13, 50000),
('A04', 'KA025568', 14, 30000),
('A05', 'KA025569', 15, 5000);
```

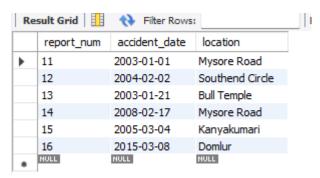
SELECT * FROM person;



SELECT * FROM car;

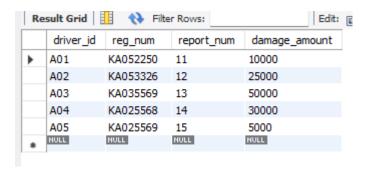


SELECT * FROM accident;



SELECT * FROM owns;

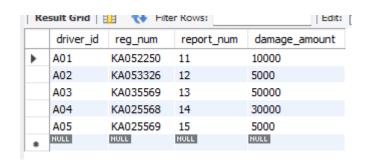
SELECT * FROM participated;



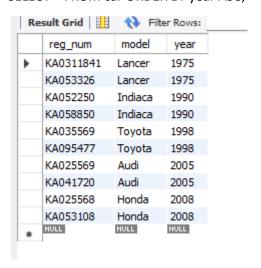
UPDATE participated

SET damage_amount = 5000

WHERE reg_num = 'KA053326' AND report_num = 12;



SELECT * FROM car ORDER BY year ASC;



SELECT COUNT(DISTINCT p.report_num) AS cnt

FROM car c

JOIN participated p ON c.reg_num = p.reg_num

WHERE c.model = 'Lancer';

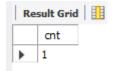


SELECT COUNT(DISTINCT p.driver_id) AS cnt

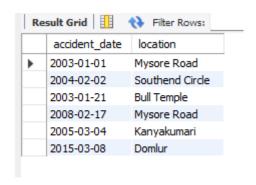
FROM participated p

JOIN accident a ON p.report_num = a.report_num

WHERE YEAR(a.accident_date) = 2008;



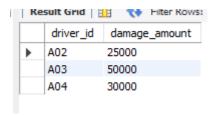
SELECT accident_date, location FROM accident;



SELECT DISTINCT driver_id, damage_amount

FROM participated

WHERE damage_amount >= 25000;



SELECT p.*, c.*

FROM person p

JOIN owns o ON p.driver_id = o.driver_id

JOIN car c ON o.reg_num = c.reg_num;



SELECT a.report_num, a.accident_date, a.location, p.driver_id, p.damage_amount FROM accident a

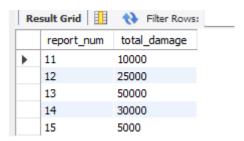
JOIN participated p ON a.report_num = p.report_num;



SELECT report_num, SUM(damage_amount) AS total_damage

FROM participated

GROUP BY report_num;



SELECT driver_id, COUNT(DISTINCT report_num) AS accident_count

FROM participated

GROUP BY driver_id

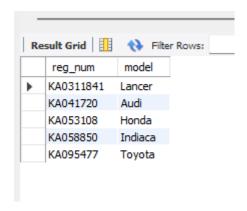
HAVING COUNT(DISTINCT report_num) > 1;

SELECT c.reg_num, c.model

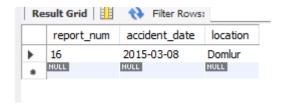
FROM car c

LEFT JOIN participated p ON c.reg_num = p.reg_num

WHERE p.reg_num IS NULL;



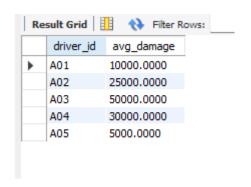
SELECT * FROM accident ORDER BY accident_date DESC LIMIT 1;



SELECT driver_id, AVG(damage_amount) AS avg_damage

FROM participated

GROUP BY driver_id;

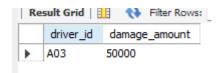


SELECT driver_id, damage_amount

FROM participated

ORDER BY damage_amount DESC

LIMIT 1;

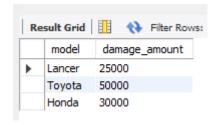


SELECT c.model, p.damage_amount

FROM car c

JOIN participated p ON c.reg_num = p.reg_num

WHERE p.damage_amount > 20000;



CREATE VIEW acci_summary2 AS

SELECT

a.report_num,

COUNT(p.driver_id) AS participant_count,

SUM(p.damage_amount) AS total_damage

FROM accident a

JOIN participated p ON a.report_num = p.report_num

GROUP BY a.report_num;

SELECT * FROM acci_summary2;

