```sql
CREATE DATABASE Transport;
USE Transport;

CREATE TABLE vehicles ( type Varchr(20), maker Varchar(20), model
Varchar(20));

CREATE TABLE cars ( model Varchr(20), makes Varchar(20), color Varchar(20),
price int, count_passengers int);

CREATE TABLE motorbikes ( model Varchr(20), makes Varchar(20), color
Varchar(20), price int, type Varchar(20));

    INSERT INTO vehicles VALUES ('Car',          'Japan',    'Accord 2013');
    INSERT INTO vehicles VALUES ('Car',          'Germany',  'Cayenne');
    INSERT INTO vehicles VALUES ('Motorbike',    'Japan',    'CB600F Hornet');
    INSERT INTO vehicles VALUES ('Car',          'Germany',  'CLS-Class ');
    INSERT INTO vehicles VALUES ('Car',          'Japan',    'CR-Z');
    INSERT INTO vehicles VALUES ('Motorbike',    'Italy',    'Diavel');
    INSERT INTO vehicles VALUES ('Motorbike',    'Japan',    'GSR750');
    INSERT INTO vehicles VALUES ('Car',          'USA',      'Journey');
    INSERT INTO vehicles VALUES ('Car',          'Japan',    'LX');
    INSERT INTO vehicles VALUES ('Motorbike',    'Germany',  'R1200 GS');
    INSERT INTO vehicles VALUES ('Motorbike',    'Germany',  'R1200R');
    INSERT INTO vehicles VALUES ('Motorbike',    'USA',      'V-Rod Muscle');
    INSERT INTO vehicles VALUES ('Motorbike',    'Japan',    'VT1300CX Fury');
    INSERT INTO vehicles VALUES ('Motorbike',    'Japan',    'WR250F');
    INSERT INTO vehicles VALUES ('Car',          'Germany',  'X5(E70)');
    INSERT INTO vehicles VALUES ('Car',          'Germany',  'Z4(E89)');


    INSERT INTO cars VALUES ('Cyenne',      'Porsche',  'black', '900000', '4');
    INSERT INTO cars VALUES ('X5(E70)',     'BMW',      'gray', '700000', '5');
    INSERT INTO cars VALUES ('CLS-Class',   'Mercedes', 'red',  '900000', '4');
    INSERT INTO cars VALUES ('Z4(E89)',     'BMW',      'black', '500000', '2');
    INSERT INTO cars VALUES ('LX',          'Lexus',    'red',  '1000000','4');
    INSERT INTO cars VALUES ('Journey',     'Dodge',    'white', '300000', '5');
    INSERT INTO cars VALUES ('Accord 2013','Honda',     'black', '300000', '5');
    INSERT INTO cars VALUES ('CR-Z',        'Honda',    'green', '280000', '2');


INSERT INTO motorbikes VALUES
          ('Diavel',        'Ducati',    'black',     '240000', 'cruiser');
INSERT INTO motorbikes VALUES
          ('VT1300CX Fury', 'Honda',     'red',       '150000', 'cruiser');
INSERT INTO motorbikes VALUES
          ('CB600F Hornet', 'Honda',     'black',     '110000', 'street');
INSERT INTO motorbikes VALUES
          ('GSR750',        'Suzuki',    'red',       '130000', 'street');
```

```
INSERT INTO motorbikes VALUES
           ('R1200R',          'BMW',          'black',      '150000', 'street');
INSERT INTO motorbikes VALUES
           ('V-Rod Muscle',    ' Harley-Davidson','black','270000','chopper');
INSERT INTO motorbikes VALUES
           ('WR250F',          'Yamaha',       'green',      '106000', 'cross');
INSERT INTO motorbikes VALUES
           ('R1200 GS',        'BMW',          'gray',       '175000', 'enduro');


ALTER TABLE vehicles ADD PRIMARY KEY (model);
ALTER TABLE cars     ADD FOREIGN KEY (model) REFERENCES vehicles (model);
```

mysql> SELECT * FROM vehicles;

| type      | maker   | model          |
|-----------|---------|----------------|
| Car       | Japan   | Accord 2013    |
| Car       | Germany | Cayenne        |
| Motorbike | Japan   | CB600F Hornet  |
| Car       | Germany | CLS-Class      |
| Car       | Japan   | CR-Z           |
| Motorbike | Italy   | Diavel         |
| Motorbike | Japan   | GSR750         |
| Car       | USA     | Journey        |
| Car       | Japan   | LX             |
| Motorbike | Germany | R1200 GS       |
| Motorbike | Germany | R1200R         |
| Motorbike | USA     | V-Rod Muscle   |
| Motorbike | Japan   | VT1300CX Fury  |
| Motorbike | Japan   | WR250F         |
| Car       | Germany | X5(E70)        |
| Car       | Germany | Z4(E89)        |

```
mysql> SELECT * FROM cars;
+-----------------+---------------+--------+----------------+----------------------+
| model           | makes         | color  | price          | count_passengers     |
+-----------------+---------------+--------+----------------+----------------------+
| Cayenne         | Porsche       | black  |  900000        |          4           |
| X5(E70)         | BMW           | gray   |  700000        |          5           |
| CLS-Class       | Mercedes      | red    |  900000        |          4           |
| Z4(E89)         | BMW           | black  |  500000        |          2           |
| LX              | Lexus         | red    |  1000000       |          4           |
| Journey         | Dodge         | white  |  300000        |          5           |
| Accord 2013     | Honda         | black  |  300000        |          5           |
| CR-Z            | Honda         | green  |  280000        |          2           |
+-----------------+---------------+--------+----------------+----------------------+

mysql> SELECT * FROM motorbikes;
+-------------------------+------------------------+--------+----------+-----------+
| model                   | makes                  | color  | price    | type      |
+-------------------------+------------------------+--------+----------+-----------+
| Diavel                  | Ducati                 | black  | 240000   | cruiser   |
| VT1300CX Fury           | Honda                  | red    | 150000   | cruiser   |
| CB600F Hornet           | Honda                  | black  | 110000   | street    |
| GSR750       | Suzuki                    | red    | 130000   | street    |
| R1200R                  | BMW                    | black  | 150000   | street    |
| V-Rod Muscle            | Harley-Davidson        | black  | 270000   | chopper|
| WR250F                  | Yamaha                 | green  | 106000   | cross     |
| R1200 GS                | BMW                    | gray   | 175000   | enduro    |
+-------------------------+------------------------+--------+----------+----------+


mysql> SELECT model FROM vehicles WHERE maker LIKE 'G%';
+-----------------+
| model           |
+-----------------+
| Cayenne         |
| CLS-Class       |
| R1200 GS        |
| R1200R          |
| X5(E70)         |
| Z4(E89)         |
+-----------------+

mysql> SELECT makes FROM cars JOIN vehicles ON vehicles.model = cars.model WHERE
price > '500000' AND maker = 'Japan';
```

```
+----------+
| makes    |
+----------+
| Lexus    |
+----------+
```

```
mysql> SELECT  maker,type FROM vehicles WHERE model IN (SELECT  model FROM
motorbikes WHERE type IN (SELECT type FROM motorbikes GROUP BY type HAVING
COUNT(*)=1) UNION SELECT model FROM cars WHERE price = (SELECT MAX(price) FROM
cars WHERE color = 'black'));
+------------+--------------+
| maker      | type         |
+------------+--------------+
| Germany | Car          |
| Germany | Car          |
| Germany | Motorbike |
| USA        | Motorbike |
| Japan      | Motorbike |
+-------------+--------------+
```