Bai 1:

1:

CREATE DATABASE qlxm\_linhpqpc05353;

USE qlxm\_linhpqpc05353;

2:

CREATE TABLE khachhang (

maKH VARCHAR(5),

tenKH VARCHAR(30),

ngaySinhKH DATE,

diaChiKH VARCHAR(50),

sdtKH INT

);

CREATE TABLE xemay (

maXM VARCHAR(5),

tenXM VARCHAR(20),

hangSX vARCHAR(10),

namSX DATE,

dungTich INT

);

CREATE TABLE xemaykhachhang (

ID INT,

maKH VARCHAR(5),

maXM VARCHAR(5),

thoiGianBaoHanh INT,

giaTien INT

);

3:

ALTER TABLE khachhang

ADD PRIMARY KEY (maKH);

ALTER TABLE xemay

ADD PRIMARY KEY (maXM);

ALTER TABLE xemaykhachhang

ADD PRIMARY KEY (ID),

ADD FOREIGN KEY (maKH)

REFERENCES khachhang (maKH),

ADD FOREIGN KEY (maXM)

REFERENCES xemay (maXM);

4:

ALTER TABLE xemay

ADD CONSTRAINT checkDungTich CHECK(dungTich >= 50);

ALTER TABLE xemaykhachhang

MODIFY ID INT AUTO\_INCREMENT;

Bai2:

1:

INSERT INTO khachhang VALUES

('KH001', 'Phạm Kha Nam', '1996-03-11', 'Ninh Kiều - Cần Thơ', 0768880089),

('KH002', 'Mai Thiên Vân', '1998-04-28', 'U Minh Thượng - Cà Mau', 0774529015),

('KH003', 'Phan Thiện Trí', '1996-09-15', 'Sa Đéc - Đồng Tháp', 0942758799),

('KH004', 'Trần Văn Châu', '1996-03-11', 'U Minh Hạ - Cà Mau', 0372564882),

('Kh005', 'Lê Minh Chiến', '2000-11-27', 'Ninh Kiều - Cần Thơ', 0544677188);

INSERT INTO xemay VALUES

('XM001', 'Vision', 'Honda', '2020-03-04', 110),

('XM002', 'Air Blade', 'Honda', '2023-01-15', 150),

('XM003', 'Grande Hybrid', 'Yamaha', '2018-11-27', 110),

('XM004', 'StarX', 'SYM', '2017-12-12', 125),

('XM005', 'GSX-R150', 'Suzuli', '2017-11-24', 150);

INSERT INTO xemaykhachhang VALUES

(1, 'KH001', 'XM002', 12, 47000000),

(2, 'KH002', 'XM004', 24, 50000000),

(3, 'KH002', 'XM003', 12, 54000000),

(4, 'KH003', 'XM003', 36, 26000000),

(5, 'KH005', 'XM001', 6, 33000000);

2:

SELECT \* from khachhang

WHERE tenKH LIKE '%ch%';

3:

SELECT COUNT(maKH)

AS 'Số lượng khách hàng mua xe Grande Hybrid'

FROM xemaykhachhang

WHERE maXM = (

SELECT maXM FROM xemay

WHERE tenXM = 'Grande Hybrid'

);

4:

SELECT \* FROM khachhang

WHERE YEAR(NOW()) - YEAR(ngaySinhKH) >= 25

AND sdtKH LIKE '%9';

5:

SELECT \* FROM khachhang

WHERE maKH NOT IN (

SELECT maKH FROM xemaykhachhang

);

6:

SELECT khachhang.maKH, khachhang.tenKH,

xemay.maXM, xemay.tenXM,

xemaykhachhang.giaTien

FROM xemaykhachhang JOIN khachhang

ON khachhang.maKH = xemaykhachhang.maKH

JOIN xemay ON xemay.maXM = xemaykhachhang.maXM

WHERE xemaykhachhang.thoiGianBaoHanh <= 12

ORDER BY xemaykhachhang.giaTien DESC;

7:

UPDATE xemaykhachhang

SET maKH = 'KH002'

WHERE maKH = 'KH003'

AND maXM = 'XM003'

AND thoiGianBaoHanh = 36;

8:

SELECT khachhang.\*

FROM xemaykhachhang

INNER JOIN khachhang

ON khachhang.maKH = xemaykhachhang.maKH

GROUP BY xemaykhachhang.maKH

HAVING COUNT(xemaykhachhang.maKH) = (

SELECT MAX(count\_maKH)

FROM (

SELECT COUNT(maKH) AS count\_maKH

FROM xemaykhachhang

GROUP BY maKH

) AS counts

);