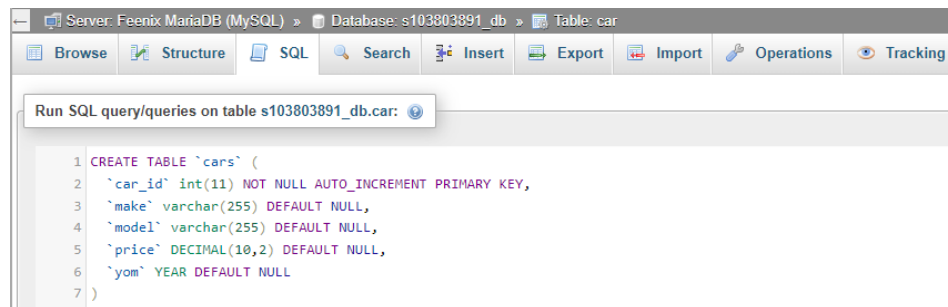# COS30020: Advanced Web Development
Lab 07

Student Name: Tran Quoc Dung

Student ID: 103803891

Task 1: Creating a table and entering data
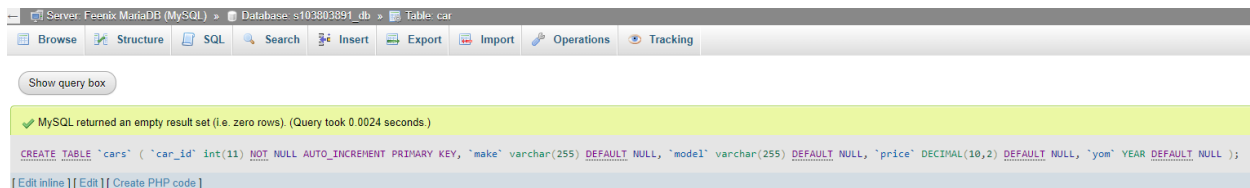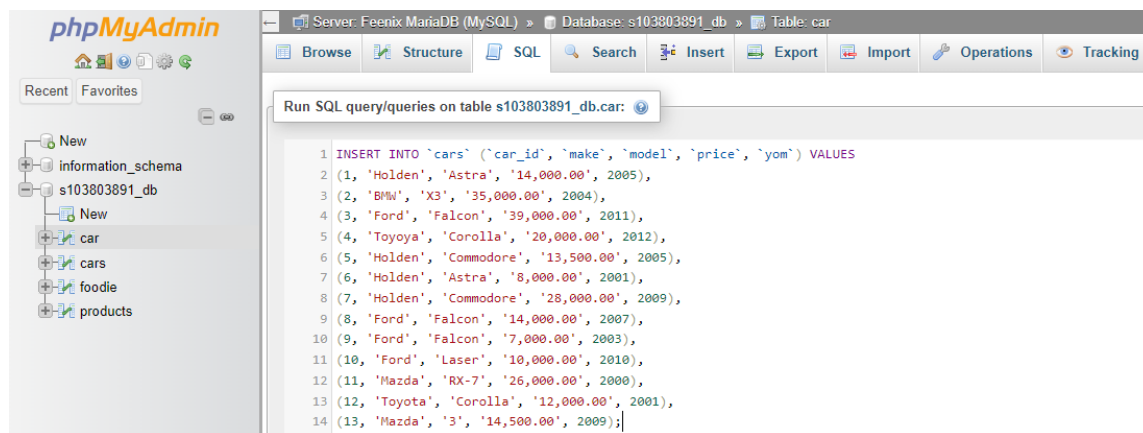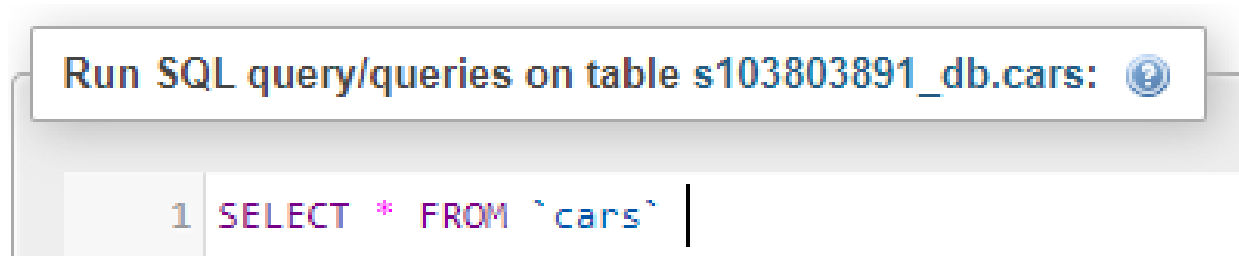

Creating table 'cars' with given fields.

Table 'cars' created.

Inserting data records into 'cars'.

Task 2: Querying the table

1) All records:

Run SQL query/queries on table s103803891_db.cars:

```
1  SELECT * FROM `cars`
```

SQL commands that display all records.

Displaying all records.

2) Make, model and price, sorted by make and model:

```
1 SELECT make, model, price FROM `cars`
2 ORDER BY make, model ASC;
```
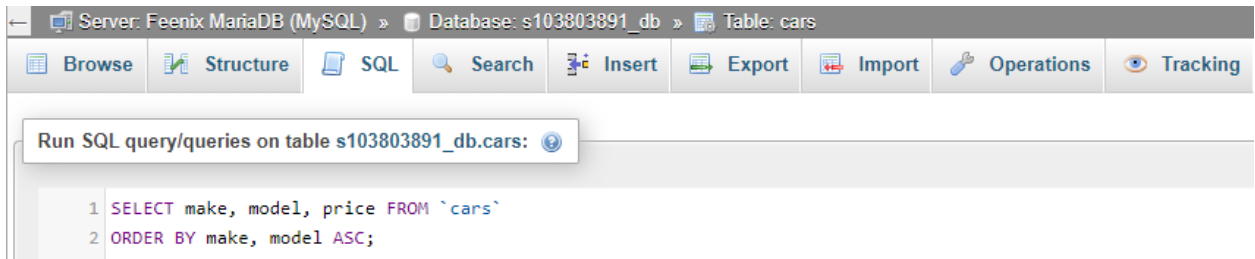
SQL commands that display make, model and price, sorted by make and model.

				make ▲ 1	model ▲ 2	price
☐	Edit	Copy	Delete	BMW	X3	35000.00
☐	Edit	Copy	Delete	Ford	Falcon	39000.00
☐	Edit	Copy	Delete	Ford	Falcon	14000.00
☐	Edit	Copy	Delete	Ford	Falcon	7000.00
☐	Edit	Copy	Delete	Ford	Laser	10000.00
☐	Edit	Copy	Delete	Holden	Astra	14000.00
☐	Edit	Copy	Delete	Holden	Astra	8000.00
☐	Edit	Copy	Delete	Holden	Commodore	13000.00
☐	Edit	Copy	Delete	Holden	Commodore	28000.00
☐	Edit	Copy	Delete	Mazda	3	14000.00
☐	Edit	Copy	Delete	Mazda	RX-7	26000.00
☐	Edit	Copy	Delete	Toyota	Corolla	12000.00
☐	Edit	Copy	Delete	Toyoya	Corolla	20000.00

Displaying make, model and price, sorted by make and model.

3) The make and model of the cars which costs $20,000.00 or more:

```
1 SELECT make, model FROM `cars` WHERE price >= 20000;
```
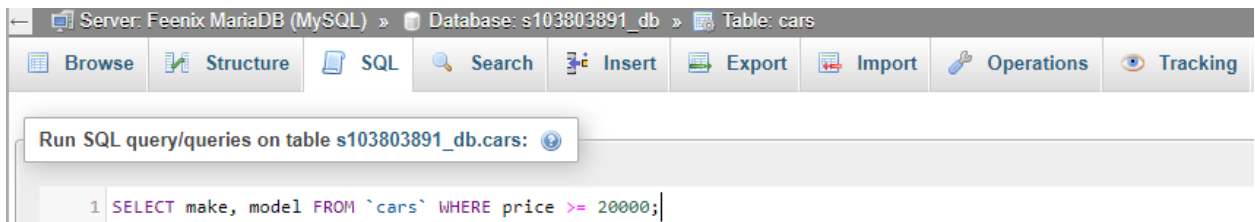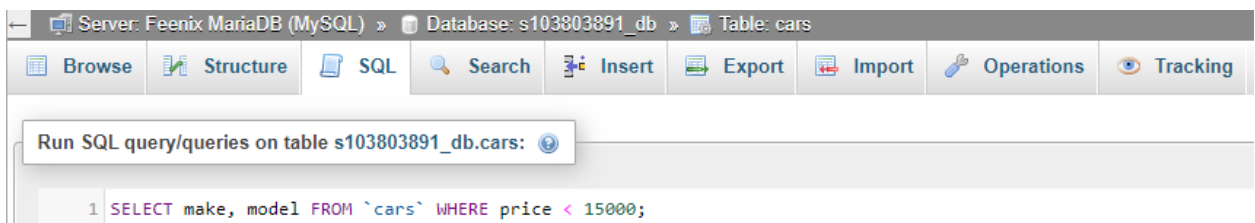
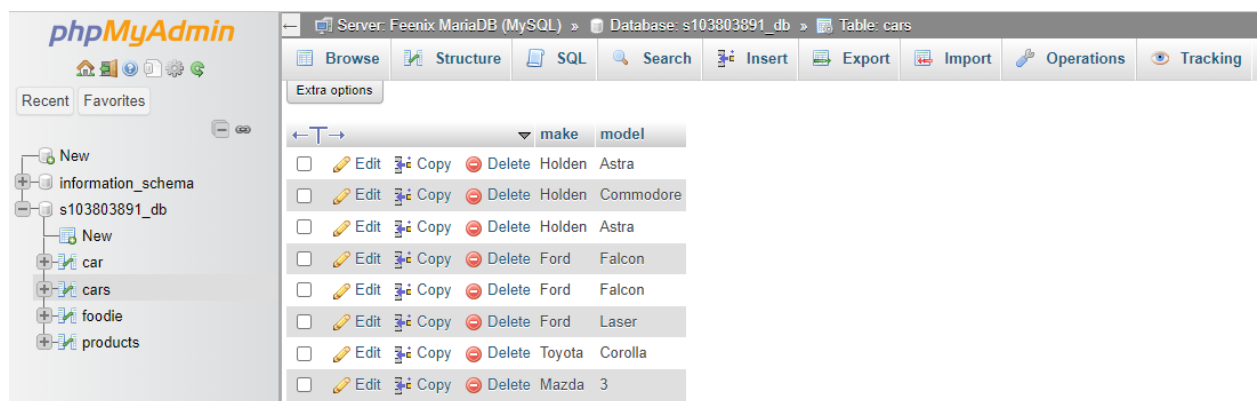SQL commands that display make, model of the cars which cost $20,000.00 or more.
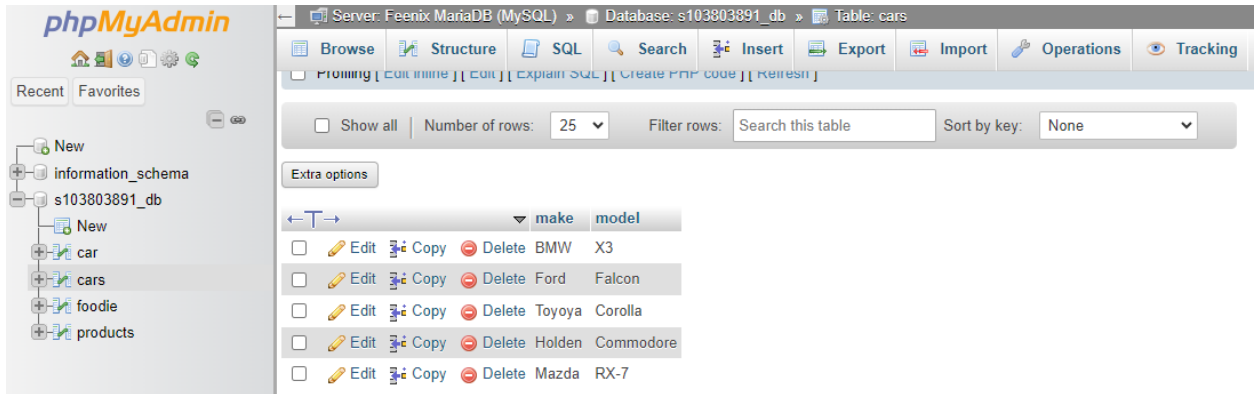
Displaying make, model of the cars which cost $20,000.00 or more.

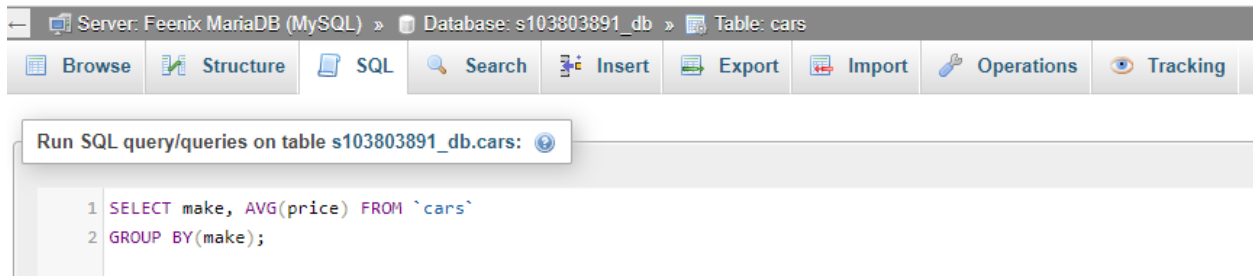4) The make and model of the cars which costs below $15,000.00:


```sql
SELECT make, model FROM `cars` WHERE price < 15000;
```

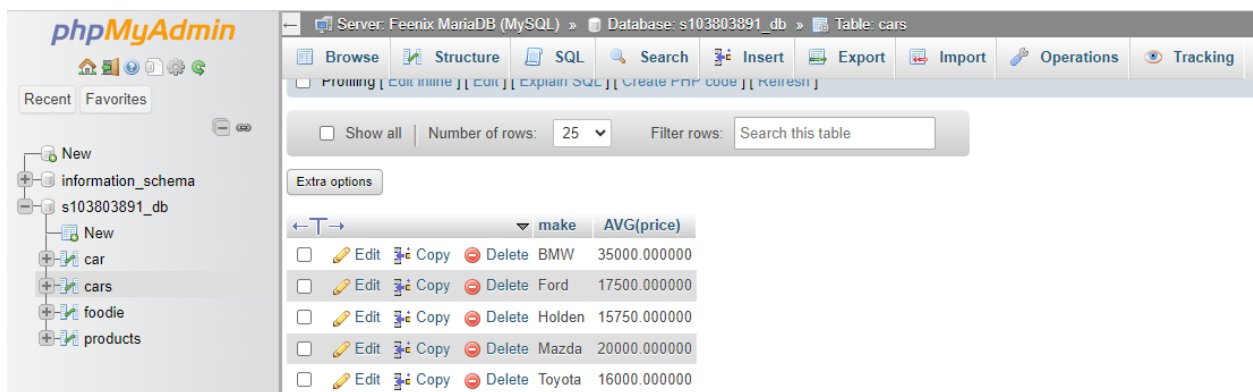SQL commands that display make, model of the cars which cost below $15,000.00

Displaying make, model of the cars which cost below $15,000.00

5) The average price of cars for similar make:


```
1 SELECT make, AVG(price) FROM `cars`
2 GROUP BY(make);
```

SQL commands that display average price of cars for similar make.

Displaying average price of cars for similar make.