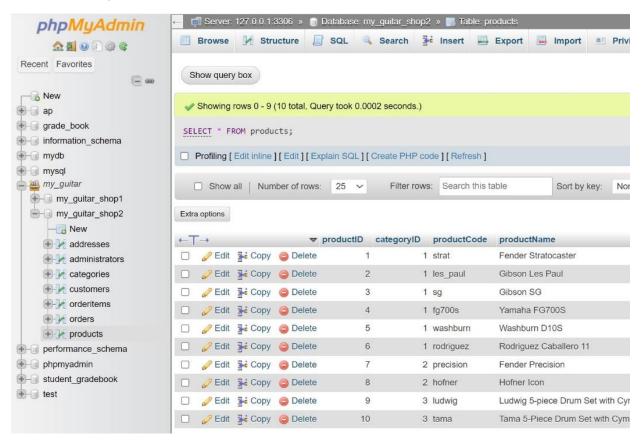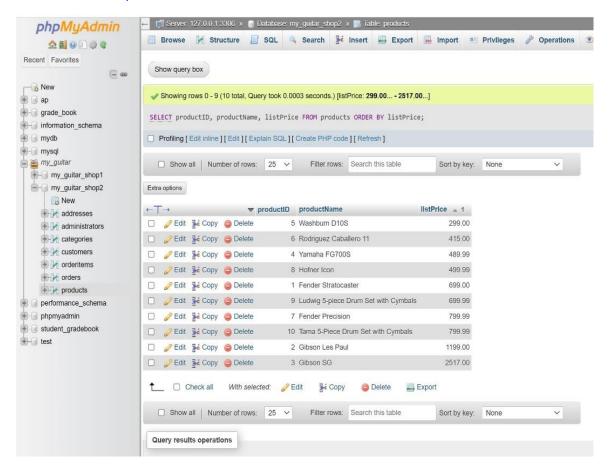# Exercise18-1

Part1:

SELECT * FROM products;

SELECT productID, productName, listPrice
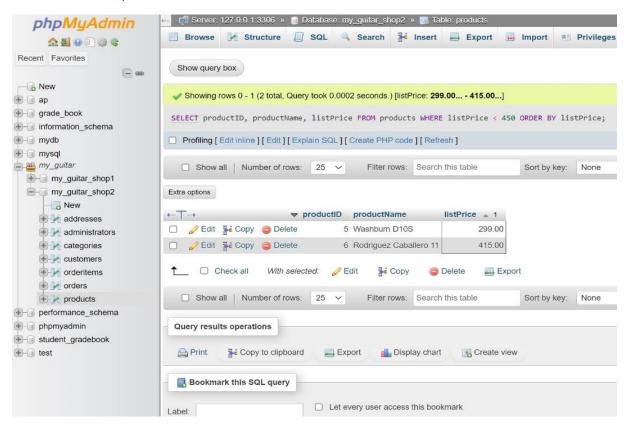
FROM products

ORDER BY listPrice;

SELECT productID, productName, listPrice

FROM products

WHERE listPrice < 450

ORDER BY listPrice;

SELECT productID, productName, listPrice

FROM products

WHERE listPrice < 10;

SELECT firstName, lastName, orderDate

FROM customers c

  INNER JOIN orders o

    ON c.customerID = o.customerID

ORDER BY orderDate;

SELECT firstName, lastName, o.orderID, productName, itemPrice, quantity

FROM customers c

  INNER JOIN orders o

    ON c.customerID = o.customerID

  INNER JOIN orderItems oi

    ON o.orderID = oi.orderID

  INNER JOIN products p

    ON oi.productID = p.productID

ORDER BY o.orderID;

Part2

SELECT productName, description, listPrice

FROM products

WHERE description LIKE '%electric%'

ORDER BY listPrice ASC;

Image 1 (top):

Server: 127.0.0.1:3306 » Database: my_guitar_shop2 » Table: products

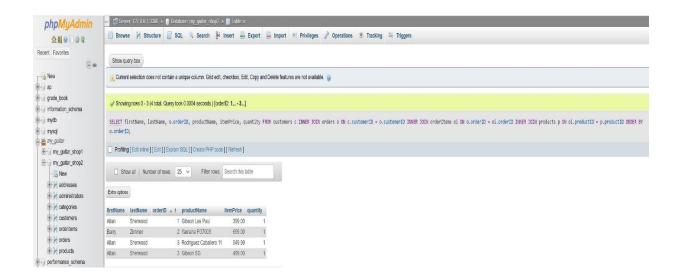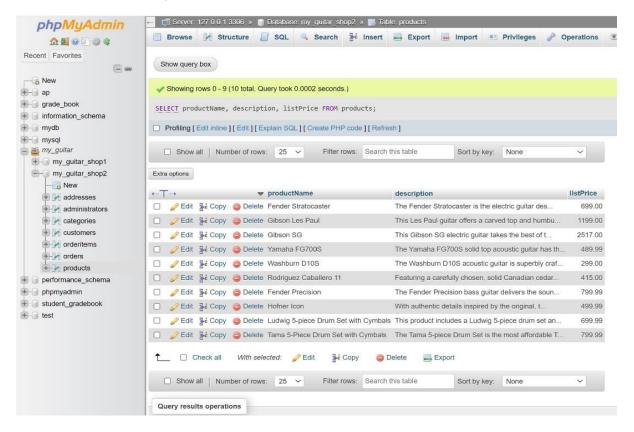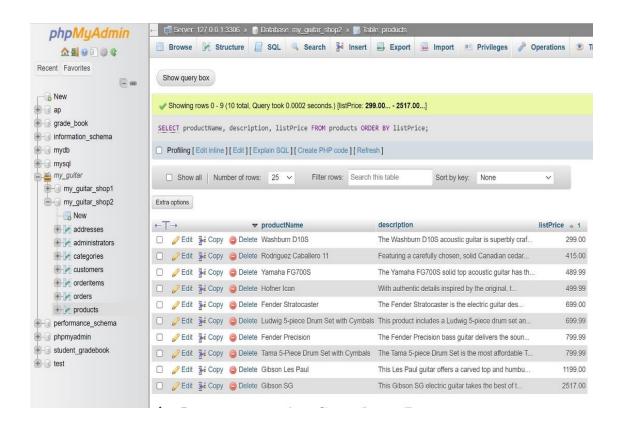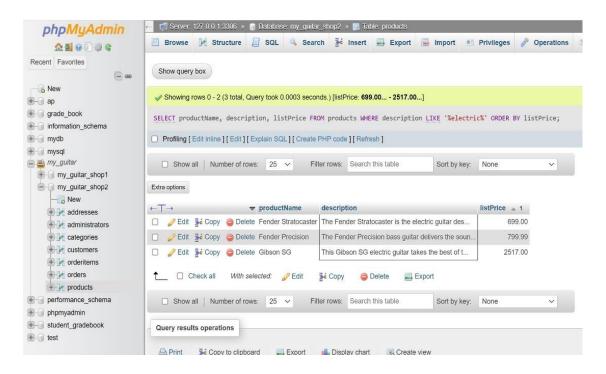Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | T

Show query box

✔ Showing rows 0 - 9 (10 total, Query took 0.0002 seconds.) [listPrice: **299.00...** - **2517.00...**]

```
SELECT productName, description, listPrice FROM products ORDER BY listPrice;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this table   Sort by key: None ▾

Extra options

←T→			productName ▾	description	listPrice ▲ 1
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Washburn D10S	The Washburn D10S acoustic guitar is superbly craf...	299.00
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Rodriguez Caballero 11	Featuring a carefully chosen, solid Canadian cedar...	415.00
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Yamaha FG700S	The Yamaha FG700S solid top acoustic guitar has th...	489.99
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Hofner Icon	With authentic details inspired by the original, t...	499.99
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Fender Stratocaster	The Fender Stratocaster is the electric guitar des...	699.00
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Ludwig 5-piece Drum Set with Cymbals	This product includes a Ludwig 5-piece drum set an...	699.99
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Fender Precision	The Fender Precision bass guitar delivers the soun...	799.99
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Tama 5-Piece Drum Set with Cymbals	The Tama 5-piece Drum Set is the most affordable T...	799.99
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Gibson Les Paul	This Les Paul guitar offers a carved top and humbu...	1199.00
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Gibson SG	This Gibson SG electric guitar takes the best of t...	2517.00

Left navigation tree:
New
ap
grade_book
information_schema
mydb
mysql
my_guitar
  my_guitar_shop1
  my_guitar_shop2
    New
    addresses
    administrators
    categories
    customers
    orderitems
    orders
    products
performance_schema
phpmyadmin
student_gradebook
test

Image 2 (bottom):

Server: 127.0.0.1:3306 » Database: my_guitar_shop2 » Table: products

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations

Show query box

✔ Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.) [listPrice: **699.00...** - **2517.00...**]

```
SELECT productName, description, listPrice FROM products WHERE description LIKE '%electric%' ORDER BY listPrice;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this table   Sort by key: None ▾

Extra options

←T→			productName ▾	description	listPrice ▲ 1
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Fender Stratocaster	The Fender Stratocaster is the electric guitar des...	699.00
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Fender Precision	The Fender Precision bass guitar delivers the soun...	799.99
☐ 🖉 Edit ⊟ Copy ⊜ Delete			Gibson SG	This Gibson SG electric guitar takes the best of t...	2517.00

⬆ ☐ Check all   With selected: 🖉 Edit   ⊟ Copy   ⊜ Delete   ⬛ Export

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this table   Sort by key: None ▾

Query results operations

🖨 Print ⊟ Copy to clipboard ⬛ Export 📊 Display chart Create view
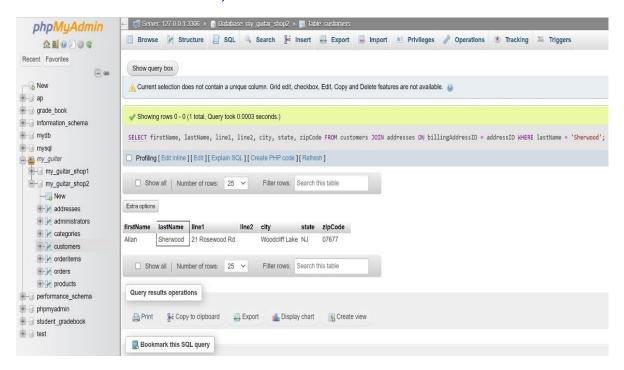
SELECT   firstName, lastName,   line1, line2, city, state, zipCode

FROM   customers

JOIN   addresses ON billingAddressID = addressID
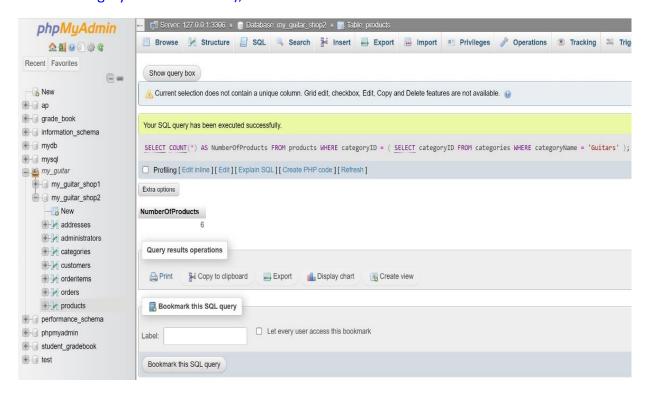
WHERE lastName = 'Sherwood';

SELECT COUNT(*) AS NumberOfProducts

FROM products

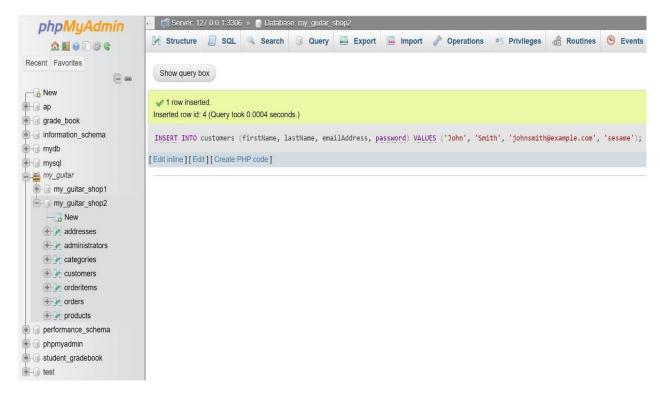WHERE categoryID = (SELECT categoryID

 FROM categories

WHERE categoryName = 'Guitars');

Part3

INSERT INTO customers (firstName, lastName, emailAddress, password)
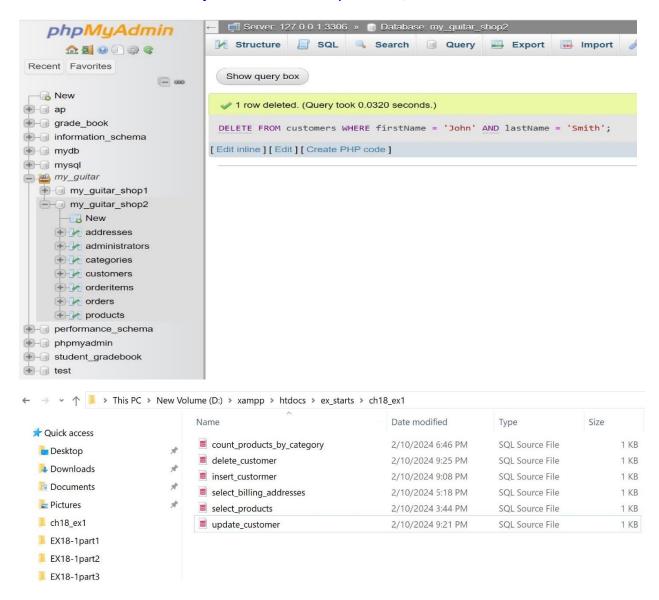
VALUES ('John', 'Smith', 'johnsmith@example.com', 'sesame');

UPDATE customers

SET password = '<hashed_5e5ame_here>'

WHERE emailAddress = 'johnsmith@example.com';

To restore the database to initially