Chapter 3.1

SELECT CONCAT(last\_name, ', ', first\_name) AS full\_name

FROM customers

WHERE LEFT(last\_name, 1) >= 'M' AND LEFT(last\_name, 1) <= 'Z'

ORDER BY last\_name ASC;

Chapter 3.2

SELECT order\_id, order\_date, ship\_date

FROM orders

WHERE ship\_date IS NULL;

Chapter 4.1

SELECT last\_name, first\_name, order\_date, product\_name, item\_price, discount\_amount, quantity

FROM customers, orders, order\_items, products;

Chapter 4.2

SELECT p1.product\_name, p1.list\_price

FROM products p1, products p2

WHERE p1.product\_id <> p2.product\_id

AND p1.list\_price = p2.list\_price

ORDER BY p1.product\_name;

Chapter 5.1

INSERT INTO products

(category\_id, product\_code, product\_name, description, list\_price, discount\_percent, date\_added)

VALUES

(4, 'dgx\_640', 'Yamaha DGX 640 88-Key Digital Piano', 'Long description to come', 799.99, 0, '2020-10-26 18:20');

Chapter 5.2

UPDATE products

SET discount\_percent = 35

WHERE product\_id = 11;

Chapter 5.3

DELETE FROM products

WHERE category\_id = 4;

DELETE FROM categories

WHERE category\_id = 4;

Chapter 6.1

SELECT email\_address as email, COUNT(DISTINCT i.order\_id) as order\_count, SUM(item\_price) - SUM(discount\_amount) as order\_total

FROM orders o, customers c, order\_items i

WHERE o.customer\_id = c.customer\_id AND o.order\_id = i.order\_id

GROUP BY c.customer\_id

HAVING order\_count > 1

ORDER BY order\_total DESC;

Chapter 6.2

SELECT email\_address, COUNT(\*) AS unique\_products

FROM customers c, orders o, order\_items i

WHERE c.customer\_id = o.customer\_id AND o.order\_id = i.order\_id

GROUP BY c.customer\_id

HAVING unique\_products > 1

ORDER BY email\_address ASC;

Chapter 7.1

SELECT product\_name, list\_price

FROM products

WHERE list\_price > ANY

( SELECT AVG(list\_price)

FROM products)

ORDER BY list\_price DESC;

Chapter 7.2

SELECT email\_address,

(SELECT MIN(order\_date) FROM orders

WHERE orders.customer\_id = customers.customer\_id

ORDER BY order\_id) AS earliest\_purchase

FROM customers

ORDER BY earliest\_purchase;