

CP4265 Assignment 3

Chapter 4: How to retrieve data from two or more tables

Question 1:

USE my_guitar_shop;

```
SELECT category_name, product_name, list_price
FROM categories c JOIN products p
ON c.category_id = p.category_id
ORDER BY category_name, product_name;
```

category_name	product_name	list_price
Basses	Fender Precision	799.99
Basses	Hofner Icon	499.99
Drums	Ludwig 5-piece Drum Set with Cymbals	699.99
Drums	Tama 5-Piece Drum Set with Cymbals	799.99
Guitars	Fender Stratocaster	699
Guitars	Gibson Les Paul	1199
Guitars	Gibson SG	2517
Guitars	Rodriguez Caballero 11	415
Guitars	Washburn D10S	299
Guitars	Yamaha FG700S	489.99

Question 2:

USE my_guitar_shop;

```
SELECT first_name, last_name, line1, city, state, zip_code
FROM customers c JOIN addresses ad
ON c.customer_id = ad.customer_id
WHERE c.email_address = 'allan.sherwood@yahoo.com';
```

first_name	last_name	line1	city	state	zip_code
Allan	Sherwood	100 East Ridgewood Ave.	Paramus	NJ	7652
Allan	Sherwood	21 Rosewood Rd.	Woodcliff Lake	NJ	7677

Question 3:

USE my_guitar_shop;

```

SELECT first_name, last_name, line1, city, state, zip_code
FROM customers c JOIN addresses ad
ON c.customer_id = ad.customer_id
AND c.shipping_address_id = ad.address_id;

```

first_name	last_name	line1	city	state	zip_code
Allan	Sherwood	100 East Ridgewood Ave.	Paramus	NJ	7652
Barry	Zimmer	16285 Wendell St.	Omaha	NE	68135
Christine	Brown	19270 NW Cornell Rd.	Beaverton	OR	97006
David	Goldstein	186 Vermont St.	San Francisco	CA	94110
Erin	Valentino	6982 Palm Ave.	Fresno	CA	93711
Frank Lee	Wilson	23 Mountain View St.	Denver	CO	80208
Gary	Hernandez	7361 N. 41st St.	New York	NY	10012
Heather	Esway	2381 Buena Vista St.	Los Angeles	CA	90023

Question 4:

USE my_guitar_shop;

```

SELECT last_name, first_name, order_date, product_name,
item_price, discount_amount, quantity
FROM customers c
JOIN orders o
ON c.customer_id = o.customer_id
JOIN order_items oi
ON o.order_id = oi.order_id
JOIN products p
ON oi.product_id = p.product_id
ORDER BY last_name, order_date, product_name;

```

last_name	first_name	order_date	product_name	item_price	discount_amount	quantity
Brown	Christine	2018-03-30 15:22	Gibson Les Paul	1199	359.7	2
Goldstein	David	2018-03-31 5:43	Washburn D10S	299	0	1
Goldstein	David	2018-04-03 12:22	Fender Stratocaster	699	209.7	1
Hernandez	Gary	2018-04-02 11:26	Tama 5-Piece Drum Set with Cymbals	799.99	120	1

Sherwood	Allan	2018-03-28 9:40	Gibson Les Paul	1199	359.7	1
Sherwood	Allan	2018-03-29 9:44	Gibson SG	2517	1308.84	1
Sherwood	Allan	2018-03-29 9:44	Rodriguez Caballero 11	415	161.85	1
Valentino	Erin	2018-03-31 18:37	Washburn D10S	299	0	1
Wilson	Frank Lee	2018-04-01 23:11	Fender Precision	799.99	240	1
Wilson	Frank Lee	2018-04-01 23:11	Fender Stratocaster	699	209.7	1
Wilson	Frank Lee	2018-04-01 23:11	Ludwig 5-piece Drum Set with Cymbals	699.99	210	1
Zimmer	Barry	2018-03-28 11:23	Yamaha FG700S	489.99	186.2	1

Question 5:

USE my_guitar_shop;

```
SELECT DISTINCT p1.product_name, p1.list_price
FROM products p1 JOIN products p2
ON p1.list_price = p2.list_price
AND p1.product_id <> p2.product_id
ORDER BY p1.product_name;
```

product_name	list_price
Fender Precision	799.99
Tama 5-Piece Drum Set with Cymbals	799.99

Question 6:

USE my_guitar_shop;

```
SELECT category_name, product_id
FROM categories c LEFT OUTER JOIN products p
ON c.category_id = p.category_id
WHERE p.product_id IS NULL;
```

category_name	product_id
Keyboards	NULL

Question 7:

USE my_guitar_shop;

```
SELECT 'SHIPPED' as status, order_id, order_date
FROM orders
WHERE ship_date IS NOT NULL
UNION
SELECT 'NOT SHIPPED' as status, order_id, order_date
FROM orders
WHERE ship_date IS NULL
ORDER BY order_date;
```

status	order_id	order_date
SHIPPED	1	2018-03-28 9:40
SHIPPED	2	2018-03-28 11:23
SHIPPED	3	2018-03-29 9:44
SHIPPED	4	2018-03-30 15:22
SHIPPED	5	2018-03-31 5:43
NOT SHIPPED	6	2018-03-31 18:37
SHIPPED	7	2018-04-01 23:11
NOT SHIPPED	8	2018-04-02 11:26
NOT SHIPPED	9	2018-04-03 12:22