

# Lab Assignment 3

## Exercises

We assume you have already installed MySQL server and Workbench, as well as the My Guitar Shop database with original data. In these exercises, you'll use MySQL Workbench to work on the My Guitar Shop database and submit queries to this database.

### Code summary queries

1. Write a SELECT statement that returns these columns:

The count of the number of orders in the Orders table

The sum of the tax\_amount columns in the Orders table

```
1 • select count(order_id), sum(tax_amount) from orders
```

Result Grid

	count(order_id)	sum(tax_amount)
▶	9	122.24

2. Write a SELECT statement that returns one row for each category that has products with these columns:

The category\_name column from the Categories table

The count of the products in the Products table

The list price of the most expensive product in the Products table

Sort the result set so the category with the most products appears first.

```
1 • select c.category_name, count(p.product_id) as count, max(p.list_price)
2   from categories as c inner join products as p on c.category_id = p.category_id
3  group by c.category_name
4  order by count desc
```

Result Grid

	category_name	count	max(p.list_price)
▶	Guitars	6	2517.00
	Basses	2	799.99
	Drums	2	799.99

3. Write a SELECT statement that returns one row for each customer that has orders with these columns:

The email\_address column from the Customers table

The sum of the item price in the Order\_Items table multiplied by the quantity in the Order\_Items table

The sum of the discount amount column in the Order\_Items table multiplied by the quantity in the Order\_Items table

Sort the result set in descending sequence by the item price total for each customer.

```
1 • select
2     c.email_address, sum(o.item_price) * count(o.item_id) as first_sum_by_count,
3     sum(o.discount_amount) * count(o.item_id) as second_sum_by_count
4 from customers as c
5     inner join orders as ord on c.customer_id = ord.customer_id
6     inner join order_items as o on o.order_id = ord.order_id
7 group by c.customer_id
8 order by sum(o.item_price) desc;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
email_address	first_sum_by_count	second_sum_by_count	
allan.sherwood@yahoo.com	12393.00	5491.17	
frankwilson@sbcglobal.net	6596.94	1979.10	
christineb@solarone.com	1199.00	359.70	
david.goldstein@hotmail.com	1996.00	419.40	
gary_hernandez@yahoo.com	799.99	120.00	
barryz@gmail.com	489.99	186.20	
erinr@gmail.com	299.00	0.00	

4. Write a SELECT statement that returns one row for each customer that has orders with these columns:

The email\_address column from the Customers table

A count of the number of orders

The total amount for each order (Hint: First, subtract the discount amount from the price.

Then, multiply by the quantity.)

Return only those rows where the customer has more than 1 order.

Sort the result set in descending sequence by the sum of the line item amounts.

```
1 • select c.email_address, count(o.order_id) as count, sum(o.item_price - o.discount_amount) * count(o.order_id) as total_amount
2 from customers as c
3     inner join orders as ord on c.customer_id = ord.customer_id
4     inner join order_items as o on o.order_id = ord.order_id
5 group by c.customer_id having count > 1
6 order by total_amount desc;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
email_address	count	total_amount	
allan.sherwood@yahoo.com	3	6901.83	
frankwilson@sbcglobal.net	3	4617.84	
david.goldstein@hotmail.com	2	1576.60	

- Modify the solution to exercise 4 so it only counts and totals line items that have an item\_price value that's greater than 400.

```

1 • select c.email_address, count(o.order_id) as count, sum(o.item_price - o.discount_amount) * count(o.order_id) as total_amount
2   from customers as c
3      inner join orders as ord on c.customer_id = ord.customer_id
4      inner join order_items as o on o.order_id = ord.order_id
5  where o.item_price > 400
6  group by c.customer_id having count > 1
7  order by total_amount desc

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
email_address	count	total_amount	
allan.sherwood@yahoo.com	3	6901.83	
frankwilson@sbcglobal.net	3	4617.84	

- Write a SELECT statement that answers this question: What is the total amount ordered for each product? Return these columns:  
The product\_name column from the Products table  
The total amount for each product in the Order\_Items table Use the WITH ROLLUP operator to include a row that gives the grand total.

```

1 • select
2     coalesce(p.product_name, 'grand total') as 'product name',
3     sum(o.item_price - o.discount_amount) * count(o.item_id) as 'total amount'
4   from products p left join order_items o on p.product_id = o.product_id
5  group by p.product_name with rollup

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
product name	total amount		
Fender Precision	559.99		
Fender Stratocaster	1957.20		
Gibson Les Paul	3357.20		
Gibson SG	1208.16		
Hofner Icon	NULL		
Ludwig 5-piece Drum Set with Cymbals	489.99		
Rodriguez Caballero 11	253.15		
Tama 5-Piece Drum Set with Cymbals	679.99		
Washburn D10S	1196.00		
Yamaha FG700S	303.79		
grand total	81003.24		

- Write a SELECT statement that answers this question: Which customers have ordered more than one product? Return these columns:

The email\_address column from the Customers table  
The count of distinct products from the customer's orders  
Sort the result set in ascending sequence by the email\_address column.

```

1 • select c.email_address, count(distinct oi.product_id) as count
2   from customers as c
3       inner join orders o on c.customer_id = o.customer_id
4       inner join order_items oi on o.order_id = oi.order_id
5   group by c.email_address having count > 1
6   order by email_address asc

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
email_address	count		
allan.sherwood@yahoo.com	3		
david.goldstein@hotmail.com	2		
frankwilson@sbcglobal.net	3		

8. Write a SELECT statement that answers this question: What is the total quantity purchased for each product within each category? Return these columns:

The category\_name column from the category table

The product\_name column from the products table

The total quantity purchased for each product with orders in the Order\_Items table

Use the WITH ROLLUP operator to include rows that give a summary for each category name as well as a row that gives the grand total.

Use the IF and GROUPING functions to replace null values in the category\_name and product\_name columns with literal values if they're for summary rows.

```

1 • select
2   if(c.category_name is null, 'Grand Total', c.category_name) as 'category name',
3   if(p.product_name is null, if(c.category_name is null, '', 'Subtotal'), p.product_name) as 'product name',
4   sum(if(o.quantity is null, 0, o.quantity)) as 'total quantity'
5   from categories c
6       left join products p on p.category_id = c.category_id
7       left join order_items o on p.product_id = o.product_id
8   group by c.category_name, p.product_name with rollup

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
category name	product name	total quantity	
Basses	Fender Precision	1	
Basses	Hofner Icon	0	
Basses	Subtotal	1	
Drums	Ludwig 5-piece Drum Set with Cymbals	1	
Drums	Tama 5-Piece Drum Set with Cymbals	1	
Drums	Subtotal	2	
Guitars	Fender Stratocaster	2	
Guitars	Gibson Les Paul	3	
Guitars	Gibson SG	1	
Guitars	Rodriguez Caballero 11	1	
Guitars	Washburn D10S	2	
Guitars	Yamaha FG700S	1	
Guitars	Subtotal	10	
Keyboards	Subtotal	0	
Keyboards	Subtotal	0	
Grand Total		13	

9. Write a SELECT statement that uses an aggregate window function to get the total amount of each order. Return these columns:

The order\_id column from the Order\_Items table

The total amount for each order item in the Order\_Items table

The total amount for each order

Sort the result set in ascending sequence by the order\_id column.

10. Modify the solution to exercise 9 so the column that contains the total amount for each order contains a cumulative total by item amount.

Add another column to the SELECT statement that uses an aggregate window function to get the average item amount for each order.

Modify the SELECT statement so it uses a named window for the two aggregate functions.

## Code subqueries

11. Write a SELECT statement that returns the same result set as this SELECT statement, but don't use a join. Instead, use a subquery in a WHERE clause that uses the IN keyword.

```
SELECT DISTINCT category_name
FROM categories c JOIN products p
  ON c.category_id = p.category_id
ORDER BY category_name
```

```
1 • select distinct category_name
2   from categories c
3  where c.category_id in(select p.category_id from products p)
4  order by category_name
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	category_name			
▶	Basses			
	Drums			
	Guitars			

12. Write a SELECT statement that answers this question: Which products have a list price that's greater than the average list price for all products?

Return the product\_name and list\_price columns for each product.  
Sort the result set by the list\_price column in descending sequence.

```
1 • select product_name,list_price
2   from products
3  where list_price > (select avg(list_price) from products)
4  order by list_price desc
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	product_name	list_price			
▶	Gibson SG	2517.00			
	Gibson Les Paul	1199.00			

13. Write a SELECT statement that returns the category\_name column from the Categories table.

Return one row for each category that has never been assigned to any product in the Products table.

To do that, use a subquery introduced with the NOT EXISTS operator.

```
1 • select c.category_name
2   from categories c
3  where not exists (select 1 from products as p where p.category_id = c.category_id)
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	category_name				
▶	Keyboards				

14. Write a SELECT statement that returns three columns: email\_address, order\_id, and the order total for each customer. To do this, you can group the result set by the email\_address and order\_id columns. In addition, you must calculate the order total from the columns in the Order\_Items table.

```

1 select
2     customers.email_address, orders.order_id,
3     sum((order_items.item_price - order_items.discount_amount)*order_items.quantity) as order_total
4 from order_items
5     join orders on order_items.order_id = orders.order_id
6     join customers on orders.customer_id = customers.customer_id
7 group by customers.email_address, orders.order_id

```

Result Grid			
Filter Rows:			
Export:   Wrap Cell Content:			
	email_address	order_id	order_total
▶	allan.sherwood@yahoo.com	1	839.30
	allan.sherwood@yahoo.com	3	1461.31
	barryz@gmail.com	2	303.79
	christineb@solarone.com	4	1678.60
	david.goldstein@hotmail.com	5	299.00
	david.goldstein@hotmail.com	9	489.30
	erinv@gmail.com	6	299.00
	frankwilson@sbcglobal.net	7	1539.28
	gary_hernandez@yahoo.com	8	679.99

Write a second SELECT statement that uses the first SELECT statement in its FROM clause. The main query should return two columns: the customer's email address and the largest order for that customer. To do this, you can group the result set by the email\_address. Sort the result set by the largest order in descending sequence.

```

1 select customers.email_address, max(ordertotal) as largest_order
2 from
3     (select customers.email_address, orders.order_id, sum((order_items.item_price - order_items.discount_amount)*order_items.quantity) as ordertotal
4     from order_items
5         join orders on order_items.order_id = orders.order_id
6         join customers on orders.customer_id = customers.customer_id
7     group by customers.email_address, orders.order_id) as customers
8 group by customers.email_address

```

Result Grid		
Filter Rows:		
Export:   Wrap Cell Content:		
	email_address	largest_order
▶	allan.sherwood@yahoo.com	1461.31
	barryz@gmail.com	303.79
	christineb@solarone.com	1678.60
	david.goldstein@hotmail.com	489.30
	erinv@gmail.com	299.00
	frankwilson@sbcglobal.net	1539.28
	gary_hernandez@yahoo.com	679.99

- Write a SELECT statement that returns the name and discount percent of each product that has a unique discount percent. In other words, don't include products that have the same discount percent as another product.

Sort the result set by the product\_name column.

```

1 • select product_name, discount_percent
2   from products
3  where discount_percent in (select discount_percent from products group by discount_percent having count(*) = 1)
4   order by product_name

```

product_name	discount_percent
Gibson SG	52.00
Hofner Icon	25.00
Rodriguez Caballero 11	39.00
Tama 5-Piece Drum Set with Cymbals	15.00
Washburn D10S	0.00
Yamaha FG700S	38.00

16. Use a correlated subquery to return one row per customer, representing the customer's oldest order (the one with the earliest date). Each row should include these three columns: email\_address, order\_id, and order\_date.

Sort the result set by the order\_date and order\_id columns.

```

1 • select
2     email_address, order_id, order_date
3   from customers c join orders o on c.customer_id = o.customer_id
4  where
5     order_date = (select min(order_date) from orders where customer_id = o.customer_id)
6   order by order_date, order_id

```

email_address	order_id	order_date
allan.sherwood@yahoo.com	1	2018-03-28 09:40:28
barryz@gmail.com	2	2018-03-28 11:23:20
christineb@solarone.com	4	2018-03-30 15:22:31
david.goldstein@hotmail.com	5	2018-03-31 05:43:11
erinv@gmail.com	6	2018-03-31 18:37:22
frankwilson@sbcglobal.net	7	2018-04-01 23:11:12
gary_hernandez@yahoo.com	8	2018-04-02 11:26:38

## Process data types

17. Write a SELECT statement that returns these columns from the Products table:

The list\_price column

A column that uses the FORMAT function to return the list\_price column with 1 digit to the right of the decimal point

A column that uses the CONVERT function to return the list\_price column as an integer




A column that uses the CAST function to return the list\_price column as an integer.



```

1 • select
2     list_price,
3     format(list_price, 1),
4     convert( list_price, unsigned),
5     cast(list_price as unsigned)
6 from products

```

Result Grid    Filter Rows: <input type="text"/>   Export:    Wrap Cell Content: 				
	list_price	format(list_price, 1)	convert(list_price, unsigned)	cast(list_price as unsigned)
▶	699.00	699.0	699	699
	1199.00	1,199.0	1199	1199
	2517.00	2,517.0	2517	2517
	489.99	490.0	490	490
	299.00	299.0	299	299
	415.00	415.0	415	415
	799.99	800.0	800	800
	499.99	500.0	500	500
	699.99	700.0	700	700
	799.99	800.0	800	800

18. Write a SELECT statement that returns these columns from the Products table:

The date\_added column

A column that uses the CAST function to return the date\_added column with its date only (year, month, and day)




A column that uses the CAST function to return the date\_added column with just the year and the month

A column that uses the CAST function to return the date\_added column with its full time only (hour, minutes, and seconds).

```

1 • select
2     date_added,
3     cast(date_added as date),
4     cast(date_added as char (7)),
5     cast(date_added as time)
6 from products

```

Result Grid    Filter Rows: <input type="text"/>   Export:    Wrap Cell Content: 				
	date_added	cast(date_added as date)	cast(date_added as char (7))	cast(date_added as time)
▶	2017-10-30 09:32:40	2017-10-30	2017-10	09:32:40
	2017-12-05 16:33:13	2017-12-05	2017-12	16:33:13
	2018-02-04 11:04:31	2018-02-04	2018-02	11:04:31
	2018-06-01 11:12:59	2018-06-01	2018-06	11:12:59
	2018-07-30 13:58:35	2018-07-30	2018-07	13:58:35
	2018-07-30 14:12:41	2018-07-30	2018-07	14:12:41
	2018-06-01 11:29:35	2018-06-01	2018-06	11:29:35
	2018-07-30 14:18:33	2018-07-30	2018-07	14:18:33
	2018-07-30 12:46:40	2018-07-30	2018-07	12:46:40
	2018-07-30 13:14:15	2018-07-30	2018-07	13:14:15

## Use functions

19. Write a SELECT statement that returns these columns from the Products table:

The list\_price column




The discount\_percent column

A column named discount\_amount that uses the previous two columns to calculate the discount amount and uses the ROUND function to round the result so it has 2 decimal digits.

```

1 • select
2     list_price,
3     discount_percent,
4     round(list_price * discount_percent / 100, 2) as discount_amount
5 from products

```

Result Grid    Filter Rows: <input type="text"/>   Export:    Wrap Cell Content: 			
	list_price	discount_percent	discount_amount
▶	699.00	30.00	209.70
	1199.00	30.00	359.70
	2517.00	52.00	1308.84
	489.99	38.00	186.20
	299.00	0.00	0.00
	415.00	39.00	161.85
	799.99	30.00	240.00
	499.99	25.00	125.00
	699.99	30.00	210.00
	799.99	15.00	120.00

20. Write a SELECT statement that returns these columns from the Orders table:

The order\_date column

A column that uses the DATE\_FORMAT function to return the four-digit year that's stored in the order\_date column

A column that uses the DATE\_FORMAT function to return the order\_date column in this format: Mon-DD-YYYY. In other words, use abbreviated months and separate each date component with dashes.

A column that uses the DATE\_FORMAT function to return the order\_date column with only the hours and minutes on a 12-hour clock with an am/pm indicator A column that uses the DATE\_FORMAT function to return the order\_date column in this format: MM/DD/YY HH:SS. In other words, use two-digit months, days, and years and separate them by slashes. Use 2-digit hours and minutes on a 24-hour clock. And use leading zeros for all date/time components.

```

1 • select
2     date_format(order_date, '%Y') as first_format,
3     date_format(order_date, '%b-%e-%y') as second_format,
4     date_format(order_date, '%l:%i %p') as third_format,
5     date_format(order_date, '%m/%e/%y %h:%i') as fourth_format
6 from orders

```

Result Grid				
Filter Rows: <input type="text"/>				
Export: <input type="button" value="Export"/>				
Wrap Cell Content: <input type="checkbox"/>				
	first_format	second_format	third_format	fourth_format
▶	2018	Mar-28-18	9:40 AM	03/28/18 09:40
	2018	Mar-28-18	11:23 AM	03/28/18 11:23
	2018	Mar-29-18	9:44 AM	03/29/18 09:44
	2018	Mar-30-18	3:22 PM	03/30/18 03:22
	2018	Mar-31-18	5:43 AM	03/31/18 05:43
	2018	Mar-31-18	6:37 PM	03/31/18 06:37
	2018	Apr-1-18	11:11 PM	04/1/18 11:11
	2018	Apr-2-18	11:26 AM	04/2/18 11:26
	2018	Apr-3-18	12:22 PM	04/3/18 12:22

21. Write a SELECT statement that returns these columns from the Orders table:

The card\_number column

The length of the card\_number column

The last four digits of the card\_number column

A column that displays an X for each digit of the card\_number column except for the last four digits. If the card number contains 16 digits, it should be displayed in this format: XXXX-XXXX-XXXX-1234, where 1234 are the actual last four digits of the number. If the card number contains 15 digits, it should be displayed in this format: XXXX-XXXXXX-X1234. (Hint: Use an IF function to determine which format to use.)

```

1 • select
2     o.card_number,
3     length(o.card_number),
4     right(o.card_number, 4) as last_four_digits,
5     insert(right(o.card_number, 4), 1, 0, if(length(o.card_number)=16, 'xxxx-xxxx-xxxx-', 'xxx-xxxxxx-x')) as xx_format
6 from orders o
7     inner join order_items oi on o.order_id = oi.order_id
8     inner join products p on p.product_id = oi.product_id
9 order by o.card_number

```

card_number	length(o.card_number)	last_four_digits	xx_format
378282246310005	15	0005	xxx-xxxxxx-x0005
4012888888881881	16	1881	xxxx-xxxx-xxxx-1881
4012888888881881	16	1881	xxxx-xxxx-xxxx-1881
4111111111111111	16	1111	xxxx-xxxx-xxxx-1111
4111111111111111	16	1111	xxxx-xxxx-xxxx-1111
4111111111111111	16	1111	xxxx-xxxx-xxxx-1111
4111111111111111	16	1111	xxxx-xxxx-xxxx-1111
4111111111111111	16	1111	xxxx-xxxx-xxxx-1111
4111111111111111	16	1111	xxxx-xxxx-xxxx-1111
5555555555554444	16	4444	xxxx-xxxx-xxxx-4444
5555555555554444	16	4444	xxxx-xxxx-xxxx-4444
5555555555554444	16	4444	xxxx-xxxx-xxxx-4444
6011111111111117	16	1117	xxxx-xxxx-xxxx-1117

22. Write a SELECT statement that returns these columns from the Orders table:

The order\_id column

The order\_date column

A column named approx\_ship\_date that's calculated by adding 2 days to the order\_date column

The ship\_date column if it doesn't contain a null value

A column named days\_to\_ship that shows the number of days between the order date and the ship date

When you have this working, add a WHERE clause that retrieves just the orders for March 2018.

```

1 • select order_id, order_date,
2     date_add(order_date, interval 2 day) as 'approx_ship_date', ship_date,
3     datediff(ship_date, order_date) as 'days_to_ship'
4 from orders where ship_date is not null
5     and month(order_date) = '3'
6     and year(order_date) = '2018'

```

order_id	order_date	approx_ship_date	ship_date	days_to_ship
1	2018-03-28 09:40:28	2018-03-30 09:40:28	2018-03-30 15:32:51	2
2	2018-03-28 11:23:20	2018-03-30 11:23:20	2018-03-29 12:52:14	1
3	2018-03-29 09:44:58	2018-03-31 09:44:58	2018-03-31 09:11:41	2
4	2018-03-30 15:22:31	2018-04-01 15:22:31	2018-04-03 16:32:21	4
5	2018-03-31 05:43:11	2018-04-02 05:43:11	2018-04-02 14:21:12	2

23. Write a SELECT statement that uses regular expression functions to get the username and domain name parts of the email addresses in the Administrators table. Return these columns:




The email\_address column

A column named user\_name that contains the username part of the email\_address column (the part before the @ symbol)

A column named domain\_name that contains the domain name part of the email\_address column (the part after the @ symbol)

Note: The username part of the email addresses contains only letters, and the domain name part contains only letters and a period.

```
1 • select email_address,  
2         substring_index(email_address, '@', 1) as user_name,  
3         substring_index(email_address, '@', -1) as domain_name  
4 from administrators
```

Result Grid    Filter Rows: <input type="text"/>   Export:  Wrap Cell Content: 			
	email_address	user_name	domain_name
▶	admin@myguitarshop.com	admin	myguitarshop.com
	joel@murach.com	joel	murach.com
	mike@murach.com	mike	murach.com

24. Write a SELECT statement that uses the ranking functions to rank products by the total quantity sold. Return these columns:

The product\_name column from the Products table

A column named total\_quantity that shows the sum of the quantity for each product in the Order\_Items table

A column named rank that uses the RANK function to rank the total quantity in descending sequence

A column named dense\_rank that uses the DENSE\_RANK function to rank the total quantity in descending sequence

```

1 select products.product_name, sum(quantity) as total_quantity,
2 rank() over (order by sum(quantity) desc) 'rank',
3 dense_rank() over (order by sum(quantity) desc) 'dense_rank'
4 from products inner join order_items on products.product_id=order_items.product_id
5 group by products.product_id

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
product_name	total_quantity	rank	dense_rank
Gibson Les Paul	3	1	1
Washburn D10S	2	2	2
Fender Stratocaster	2	2	2
Yamaha FG700S	1	4	3
Gibson SG	1	4	3
Rodriguez Caballero 11	1	4	3
Fender Precision	1	4	3
Ludwig 5-piece Drum Set with Cymbals	1	4	3
Tama 5-Piece Drum Set with Cymbals	1	4	3

25. Write a SELECT statement that uses the analytic functions to get the highest and lowest sales by product within each category. Return these columns:

The category\_name column from the Categories table

The product\_name column from the Products table

A column named total\_sales that shows the sum of the sales for each product with sales in the Order\_Items table

A column named highest\_sales that uses the FIRST\_VALUE function to show the name of the product with the highest sales within each category

A column named lowest\_sales that uses the LAST\_VALUE function to show the name of the product with the lowest sales within each category.

```

1 • select c.category_name, p.product_name,
2       sum((oi.item_price+oi.discount_amount)*oi.quantity) as total_sales,
3       first_value(p.product_name) over(partition by c.category_name order by sum((oi.item_price+oi.discount_amount)*oi.quantity) desc) as highest_sales,
4       last_value(p.product_name) over(partition by c.category_name order by sum((oi.item_price+oi.discount_amount)*oi.quantity) desc) as lowest_sales
5 from (categories c join products p on c.category_id = p.category_id)
6      join order_items oi on oi.product_id = p.product_id
7 group by c.category_id, c.category_name, p.product_id, p.product_name

```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

category_name	product_name	total_sales	highest_sales	lowest_sales
Basses	Fender Precision	1039.99	Fender Precision	Fender Precision
Drums	Tama 5-Piece Drum Set with Cymbals	919.99	Tama 5-Piece Drum Set with Cymbals	Tama 5-Piece Drum Set with Cymbals
Drums	Ludwig 5-piece Drum Set with Cymbals	909.99	Tama 5-Piece Drum Set with Cymbals	Ludwig 5-piece Drum Set with Cymbals
Guitars	Gibson Les Paul	4676.10	Gibson Les Paul	Gibson Les Paul
Guitars	Gibson SG	3825.84	Gibson Les Paul	Gibson SG
Guitars	Fender Stratocaster	1817.40	Gibson Les Paul	Fender Stratocaster
Guitars	Yamaha FG700S	676.19	Gibson Les Paul	Yamaha FG700S
Guitars	Washburn D10S	598.00	Gibson Les Paul	Washburn D10S
Guitars	Rodriguez Caballero 11	576.85	Gibson Les Paul	Rodriguez Caballero 11