Module 3 - Mini Project #6 - WRITING SQL QUERIES

STEP 4

1. Get all orders from the most recent to the oldest.

```
SELECT * FROM `mod3-miniproj6-shopping`.orders ORDER BY order_date DESC;
```

```
1 •    SELECT * FROM `mod3-miniproj6-shopping`.orders ORDER BY order_date DESC;
```

id	product_id	name	email	order_date
3	39	Amber Smith	asmith@go.com	2022-03-05 00:00:01
4	42	Bob Morn	bmorn@gmail.com	2022-03-02 00:10:08
6	46	Michelle Peters	mpeters@gmail.com	2022-02-05 00:10:08
5	43	Sam My	sam@go.com	2022-01-02 00:10:08
NULL	NULL	NULL	NULL	NULL

2. Get all products belonging to a particular category.

```
SELECT * FROM `mod3-miniproj6-shopping`.products WHERE product_category_id = 2;
```

```
1      SELECT * FROM `mod3-miniproj6-shopping`.products WHERE product_category_id = 2;
```

id	title	description	product_category_id	price	quantity
41	Tire Cleaner	Foam application	2	4.99	10
42	Tire Gauge	Reads tire air pressure	2	12.99	2
43	Stereo	Car stereo	2	399.99	1

3. Get the top three (3) most expensive products in the products table.

```
SELECT * FROM `mod3-miniproj6-shopping`.products ORDER BY price DESC LIMIT 3;
```

```
1      SELECT * FROM `mod3-miniproj6-shopping`.products ORDER BY price DESC LIMIT 3;
2
```

id	title	description	product_category_id	price	quantity
43	Stereo	Car stereo	2	399.99	1
47	Skates	Size 5T	6	49.99	2
44	Dish Set	Blue	3	24.99	2

4. Get the total number of products under each product category.

```sql
SELECT
    product_categories.id,
    product_categories.`Title`,
    COUNT(products.id) AS Total
FROM
    product_categories
LEFT JOIN products ON  product_categories.id = products.product_category_id
GROUP BY product_categories.id,product_categories.`Title`;
```


id	Title	Total
1	Baby	2
2	Automotive	3
3	Household	2
4	Food	0
5	Office Supplies	1
6	Sporting Goods	1
7	Toys	1
8	Clothing	1

5. Get the top three (3) selling products based on the number of orders.

```sql
SELECT
    products.id,
    products.`Title`,
    COUNT(orders.id) AS Total
FROM
    products
LEFT JOIN orders ON  products.id = orders.product_id
GROUP BY products.id,products.`Title`
ORDER BY Total DESC
LIMIT 3;
```

```sql
1    SELECT
2        products.id,
3        products.`Title`,
4        COUNT(orders.id) AS Total
5    FROM
6        products
7    LEFT JOIN orders ON  products.id = orders.product_id
8    GROUP BY products.id,products.`Title`
9    ORDER BY Total DESC
10   LIMIT 3;
11
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

id	Title	Total
42	Tire Gauge	2
39	Squishies	1
43	Stereo	1