

SQL Queries:

1. 52 Weeks of Sales History: “select count of orders grouped by week”

(grouped_by_week.sql)

```
1. SELECT EXTRACT(WEEK FROM time) AS week_number, COUNT(*) AS order_count FROM orders GROUP BY
week_number ORDER BY week_number;
```

2. Realistic Sales History: “select count of orders, sum of order total grouped by hour”

(grouped_by_hour.sql)

```
2. SELECT EXTRACT(HOUR FROM time) AS hour_of_day, COUNT(*) AS order_count, SUM(price) AS
total_order_amount FROM orders GROUP BY hour_of_day ORDER BY hour_of_day;
```

3. 2 Peak Days: “select top 10 sums of order total grouped by day in descending order”

(top_10_sums_of_orders.sql)

```
3. SELECT
  EXTRACT(DAY FROM time) AS day_of_month,
  SUM(price) AS total_order_amount
FROM orders
GROUP BY day_of_month
ORDER BY total_order_amount DESC
LIMIT 10;
```

4. 20 Items in Inventory: “select row count from inventory”

(row_count.sql)

```
4. SELECT COUNT(*) AS total_items
FROM stock;
```

5. “retrieve all items”

(retrieve_items.sql)

```
5. SELECT * FROM items;
```

6. “retrieve all merch”

(retrieve_merch.sql)

```
6. SELECT * FROM merch;
```

7. "retrieve last 10 orders"

(retrieve_last10_orders.sql)

```
7. SELECT * FROM orders ORDER BY time DESC LIMIT 10;
```

8. "calculate average cost for all orders"

(cost_avg_orders.sql)

```
8. SELECT AVG(price) AS average_cost FROM orders;
```

9. "Get items will stock less than 10"

(less_than_10_stock.sql)

```
9. SELECT * FROM stock WHERE amount < 10;
```

10. "items in stock"

(items_in_stock.sql)

```
10. SELECT stockname, amount  
FROM stock  
WHERE amount > 0;
```

11. Customer Orders by Name:

```
11. SELECT *  
FROM orders  
WHERE customerName = 'John';
```

12. Orders with Takeout:

```
12. SELECT *  
FROM orders  
WHERE takeOut = 'yes';
```

13. Order Count by Customer:

```
13. SELECT  
customerName,  
COUNT(*) AS order_count  
FROM orders  
GROUP BY customerName;
```

14. Items Ordered Most Frequently:

```
14. SELECT
    orders.itemID,
    items.itemName,
    COUNT(*) AS order_count
FROM orders
JOIN items ON orders.itemID = items.itemID
GROUP BY orders.itemID, items.itemName
ORDER BY order_count DESC
LIMIT 10;
```

15. Orders by Year:

```
15. SELECT *
FROM orders
WHERE EXTRACT(YEAR FROM time) = 2022;
```