1. Pull total number of orders that were completed on 18th March 2023

SELECT count(*) as total_order_count FROM SALES WHERE Date = '2023-03-18';

2. Pull total number of orders that were completed on 18th March 2023 with the first name 'John' and last name 'Doe'

SELECT count(*) as total_order_count FROM SALES WHERE Date = '2023-03-18' AND Customer_id = 'John Doe';

3. Pull total number of customers that purchased in January 2023 and the average amount spend per customer

SELECT count(DISTINCT Customer_id) as total_customer_count FROM SALES WHERE Date >= '2023-01-01' AND Date <= '2023-01-31' ;

SELECT Customer_id, Sum(Revenue)/Sum(Quantity) as avg_spending FROM SALES WHERE Date >= '2023-01-01' AND Date <= '2023-01-31' GROUP BY Customer_id

4. Pull the departments that generated less than $600 in 2022

SELECT t2.department FROM SALES AS t1 left join Items AS t2 on t1.Item_id = t2.item_id WHERE t1.Date >= '2022-01-01' AND t1.Date <= '2022-12-31' and t1.Revenue < 600

5. What is the most and least revenue we have generated by an order

SELECT Revenue FROM SALES ORDER BY Revenue DESC LIMIT 1;

SELECT Revenue FROM SALES ORDER BY Revenue ASC LIMIT 1;

6. What were the orders that were purchased in our most lucrative order

SELECT Order_id, MAX(Revenue) FROM SALES;