

**TABLE INFO :**

SALES – Date, Order\_id, Item\_id, Customer\_id, Quantity, Revenue

ITEMS – Item\_id, Item\_name, price, department

CUSTOMERS- customer\_id, first\_name,last\_name,Address

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

**SELECT count(DISTINCT Order\_id) FROM SALES WHERE Date="18-03-2023"**

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

**SELECT count(DISTINCT Order\_id)****FROM SALES FULL JOIN CUSTOMERS****ON SALES.Customer\_id=CUSTOMERS.Customer\_id****WHERE Date ="18-03-2023" AND first\_name="John" AND last\_name="Smith"**

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

**SELECT count(DISTINCT Order\_id),****SUM(Revenue)/SUM(DISTINCT order\_id) AS Avg\_order\_val****WHERE Date BETWEEN "01-01-2023" AND "31-01-2023"**

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

**SELECT department****FROM SALES FULL JOIN ITEMS****ON SALES.Item\_id=ITEMS.Item\_id****WHERE (****SELECT SUM(Revenue)****FROM SALES FULL JOIN ITEMS****ON SALES.Item\_id=ITEMS.Item\_id****WHERE Date BETWEEN "01-01-2022" AND "31-12-2022") < 600**

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

**SELECT MAX(Revenue), MIN(Revenue) FROM SALES**

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

**SELECT Item\_name****FROM SALES FULL JOIN ITEMS****ON SALES.Item\_id=ITEMS.Item\_id****WHERE Revenue=MAX(Revenue)**