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.
2.Pull total number of orders that were completed on 18th March 2023 with the first name ‘John’ and last name Doe’.
3.Pull total number of customers that purchased in January 2023 and the average amount spend per customer.
4.Pull the departments that generated less than $600 in 2022.
5.What is the most and least revenue we have generated by an order.
6.What were the orders that were purchased in our most lucrative order.

1.
```
SELECT COUNT(DISTINCT Order_id) AS num_orders
FROM Sales
WHERE Date = ‘03-18-2023’
```

2.
```
SELECT COUNT(DISTINCT Order_id) AS num_orders
FROM Sales NATURAL JOIN Customers
WHERE Date = ‘03-18-2023’ AND first_name = ‘John’ AND last_name = ‘Doe’
```

3.
```
SELECT COUNT(DISTINCT Customer_id) AS customer_count,
      SUM(Revenue) / COUNT(DISTINCT Customer_id) AS average_spending
FROM Sales
WHERE Date BETWEEN '2023-01-01' AND '2023-01-31';
```

4.
```
SELECT department
FROM Items i JOIN Sales s ON i.item_id = s.item_id
WHERE Date LIKE ‘%-%-2022’
GROUP BY department
HAVING SUM(revenue) < 600
```

5.
```
SELECT order_id, MAX(revenue) AS max_revenue, MIN(revenue) AS min_revenue
FROM Sales
GROUP BY order_id
```

6.

```
SELECT *
FROM Sales
WHERE order_id IN(
        SELECT order_id,  MAX(revenue)
        FROM Sales
        GROUP BY order_id)
```