## Learn with Ankit Bansal

**NamasteSQL**

## 100 Coding Problems

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## Step - 1 : Problem Statement

### 🥸Problem Statement:
## 1 - RETURN ORDERS CUSTOMER FEEDBACK

NAMASTEKART, AN E-COMMERCE COMPANY, HAS OBSERVED A NOTABLE SURGE IN RETURN ORDERS RECENTLY. THEY SUSPECT THAT A SPECIFIC GROUP OF CUSTOMERS MAY BE RESPONSIBLE FOR A SIGNIFICANT PORTION OF THESE RETURNS. TO ADDRESS THIS ISSUE, THEIR INITIAL GOAL IS TO IDENTIFY CUSTOMERS WHO HAVE RETURNED MORE THAN 50% OF THEIR ORDERS. THIS WAY, THEY CAN PROACTIVELY REACH OUT TO THESE CUSTOMERS TO GATHER FEEDBACK.

WRITE AN SQL TO FIND LIST OF CUSTOMERS ALONG WITH THEIR RETURN PERCENT (ROUND TO 2 DECIMAL PLACES), DISPLAY THE OUTPUT IN ASCENDING ORDER OF CUSTOMER NAME.

🚩 **Difficult Level : Medium**

## Step - 2 : Identifying The Input Data And Expected

**INPUT**

| orders | | | |
|---|---|---|---|
| **ORDER_ID** | **ORDER_DATE** | **CUSTOMER_NAME** | **SALES** |
| 1 | 2023-01-01 | Alexa | 100 |
| 2 | 2023-01-02 | Alexa | 200 |
| 3 | 2023-01-03 | Alexa | 300 |
| 4 | 2023-01-03 | Alexa | 400 |
| 5 | 2023-01-01 | Ramesh | 500 |
| 6 | 2023-01-02 | Ramesh | 600 |
| 7 | 2023-01-03 | Ramesh | 700 |
| 8 | 2023-01-03 | Neha | 800 |
| 9 | 2023-01-03 | Ankit | 800 |
| 10 | 2023-01-04 | Ankit | 900 |

| returns | |
|---|---|
| **ORDER_ID** | **RETURN_DATE** |
| 1 | 2023-01-02 |
| 2 | 2023-01-04 |
| 3 | 2023-01-05 |
| 7 | 2023-01-06 |
| 9 | 2023-01-06 |
| 10 | 2023-01-07 |

**OUTPUT**

| CUSTOMER_NAME | RETURN_PERCENT |
|---|---|
| Alexa | 75 |
| Ankit | 100 |

**Step - 3 :** Writing the sql query to solve the

```sql
SELECT customer_name
    ,round((count(return_date) / count(order_date)) * 100, 2) AS return_percent
FROM orders O
LEFT JOIN
RETURNS R ON O.order_id = R.order_id
GROUP BY customer_name
HAVING return_percent ≥ 50
```