Scenario 1: Find Customers with High Transaction Frequency

Question:

Identify customers who have made more than 10 transactions in the last month.

Logic:

1. Select from order table customer order placed more than 10 time
2. Function count(order_id) > 10
3. Display the customer name and number of order placed

Scenario 2: Calculate Department-Wise Average Salary

Question:

Find the average salary of employees in each department.

Logic:

1. First find the average salary from employees table
2. Where condition AVG(salary)
3. Display the employe name with salary
4. Condition check salary = AVG(salary)

Scenario 3: Identify Top Spending Customers

Question:

Find the top 5 customers who have spent the most on purchases.

Logic:

1. Select orders table customerordered amount sum(order_amount)
2. Group by customer_name
3. Order by descending total ordered amount and display
4. Using LIMIT 5 find top 5 customers.

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Scenario 4: Detect Data Gaps in Orders

Question:

Identify dates where no orders were placed.

Logic:

1. Select orders table where find order_amount is NULL or Zero
2. Display customer name where not ordered

Scenario 5: Identify Employees with Similar Salaries

Question:

Find pairs of employees working in the same department with a salary difference of less than 10%.

Logic:

1. Select employees table and departments table using join method
2. Employ group by department_name
3. Find same salary based on departemnt with < 10% salary * (salary – 0.10)
4. Display employe name