**Correlated Sub Queries**

**M ASWIN KISHORE, S5 CS2 41**

Questions

1. Display the details of the customers whose are belonging to the same street.

SELECT \* FROM customer c

WHERE (SELECT COUNT(cust\_id) FROM customer d WHERE c.cust\_street = d.cust\_street) > 1

ORDER BY cust\_street;

# cust\_id, cust\_name, cust\_hname, cust\_street, cust\_phone

1, MAK, 221B, Bakers Street, 904998900

3, Yakov, 44B, Bakers Street, 803998440

1. Display the distinct customer\_id and customer name of customers having the same delivery date.

SELECT DISTINCT cust\_id,cust\_name FROM customer c

WHERE (

SELECT COUNT(cust\_id) FROM order\_db d

WHERE delivery\_date IN (SELECT delivery\_date FROM order\_db e WHERE e.cust\_id = c.cust\_id)

AND d.cust\_id != c.cust\_id

) >= 1

ORDER BY cust\_street;

# cust\_id, cust\_name

1, MAK

3, Yakov

2, Kash

1. Display the orders placed in the same date.

SELECT \* FROM order\_db a

WHERE (

SELECT COUNT(order\_id) FROM order\_db b

WHERE a.order\_date = b.order\_date

) > 1

ORDER BY order\_date;

# order\_id, cust\_id, item\_code, order\_date, expiry\_date, delivery\_date, payment\_mode, qty

1, 1, 1, 2022-02-13, 2022-02-14, 2022-02-13, R, 3

2, 2, 3, 2022-02-13, 2022-02-23, 2022-02-23, C, 1

3, 2, 3, 2022-02-13, 2022-02-12, 2022-02-23, C, 1

4, 2, 2, 2022-02-13, 2022-02-12, 2022-02-13, R, 1

1. Display the item details of orders having the same expiry date and unit price exceeds 100.

SELECT \* FROM order\_db a

NATURAL JOIN item\_db c

WHERE (

SELECT COUNT(order\_id) FROM order\_db b

WHERE a.expiry\_date = b.expiry\_date

) > 1 AND unit\_price > 100

ORDER BY expiry\_date;

# item\_code, order\_id, cust\_id, order\_date, expiry\_date, delivery\_date, payment\_mode, qty, item\_name, stock, unit\_price

2, 4, 2, 2022-02-13, 2022-02-12, 2022-02-13, R, 1, Mango, 60, 120

2, 6, 3, 2022-02-10, 2022-02-12, 2022-02-23, R, 1, Mango, 60, 120

1. Display the customer\_id of customers who placed more than three orders.

SELECT cust\_id FROM customer c

WHERE (SELECT COUNT(cust\_id) FROM order\_db d WHERE c.cust\_id = d.cust\_id) > 3;

# cust\_id

2

1. Display the order details of the item whose order qty exceeds the average order quantity of each customer.

SELECT \* FROM order\_db a

WHERE a.qty > (SELECT AVG(qty) FROM order\_db b WHERE a.item\_code = b.item\_code);

# order\_id, cust\_id, item\_code, order\_date, expiry\_date, delivery\_date, payment\_mode, qty

1, 1, 1, 2022-02-13, 2022-02-14, 2022-02-13, R, 3

1. Display the orders placed by the same customer.

SELECT \* FROM order\_db a

WHERE (SELECT COUNT(cust\_id) FROM order\_db b WHERE b.cust\_id = a.cust\_id) > 1

ORDER BY cust\_id;

# order\_id, cust\_id, item\_code, order\_date, expiry\_date, delivery\_date, payment\_mode, qty

2, 2, 3, 2022-02-13, 2022-02-23, 2022-02-23, C, 1

3, 2, 3, 2022-02-13, 2022-02-12, 2022-02-23, C, 1

4, 2, 2, 2022-02-13, 2022-02-12, 2022-02-13, R, 1

7, 2, 1, 2022-02-14, 2022-02-17, 2022-02-26, R, 1

5, 3, 1, 2022-02-12, 2022-02-23, 2022-02-23, R, 1

6, 3, 2, 2022-02-10, 2022-02-12, 2022-02-23, R, 1