**“RESTAURANT MANAGEMENT SYSTEM”**

NAMES:

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**MULTIPLE QUERIES:**

select \* from employees;

SELECT item\_id, item\_name, price FROM menu\_items;

SELECT orders.order\_id, order\_date, total\_amount, customer\_name, phone\_number

FROM orders

JOIN customers ON orders.customer\_id = customers.customer\_id;

SELECT order\_items.order\_id, item\_name, quantity

FROM order\_items

JOIN menu\_items ON order\_items.item\_id = menu\_items.item\_id

WHERE order\_items.order\_id = 22;

SELECT reservation\_id, reservation\_date, num\_of\_guests, customer\_name, table\_number

FROM reservations

JOIN customers ON reservations.customer\_id = customers.customer\_id

JOIN tables ON reservations.table\_id = tables.table\_id;

SELECT payments.payment\_id, payment\_date, amount\_paid, order\_date, total\_amount

FROM payments

JOIN orders ON payments.order\_id = orders.order\_id;

SELECT \* FROM ingredients WHERE quantity\_in\_stock <100;

SELECT dish\_id, dish\_name, price, employee\_name AS chef\_name

FROM dishes

JOIN employees ON dishes.chef\_id = employees.employee\_id;

SELECT chef\_special\_id, dish\_name, special\_date

FROM chef\_specials

JOIN dishes ON chef\_specials.dish\_id = dishes.dish\_id

WHERE special\_date = '2023-01-10';

SELECT MAX(quantity\_in\_stock) AS max\_quantity, MIN(quantity\_in\_stock) AS min\_quantity

FROM ingredients;

SELECT table\_id, COUNT(reservation\_id) AS total\_reservations

FROM reservations

GROUP BY table\_id;

SELECT chef\_id, employee\_name AS chef\_name, SUM(price) AS total\_revenue

FROM dishes

JOIN employees ON dishes.chef\_id = employees.employee\_id

GROUP BY chef\_id, chef\_name;

CREATE VIEW order\_details AS

SELECT orders.order\_id, order\_date, total\_amount, customer\_name, phone\_number

FROM orders

JOIN customers ON orders.customer\_id = customers.customer\_id;

SELECT \* FROM order\_details;

CREATE VIEW reservation\_info AS

SELECT reservation\_id, reservation\_date, num\_of\_guests, customer\_name, table\_number

FROM reservations

JOIN customers ON reservations.customer\_id = customers.customer\_id

JOIN tables ON reservations.table\_id = tables.table\_id;

SELECT \* FROM reservation\_info;

SELECT reservations.reservation\_id, customers.customer\_name, tables.table\_number, reservations.reservation\_date

FROM reservations

JOIN customers ON reservations.customer\_id = customers.customer\_id

JOIN tables ON reservations.table\_id = tables.table\_id;

SELECT customer\_id, SUM(total\_amount) AS total\_spent

FROM orders

GROUP BY customer\_id

HAVING total\_spent > 40;

SELECT \* FROM menu\_items

ORDER BY price DESC;

SELECT employees.employee\_name, employees.position, dishes.dish\_name

FROM employees

LEFT JOIN dishes ON employees.employee\_id = dishes.chef\_id;

SELECT orders.order\_id, customers.customer\_name, orders.order\_date, orders.total\_amount

FROM orders

INNER JOIN customers ON orders.customer\_id = customers.customer\_id;

SELECT customers.customer\_name, orders.total\_amount

FROM customers

JOIN orders ON customers.customer\_id = orders.customer\_id;

SELECT \* FROM employees

ORDER BY salary DESC;

SELECT reservations.reservation\_id, customers.customer\_name, tables.table\_number

FROM reservations

JOIN customers ON reservations.customer\_id = customers.customer\_id

JOIN tables ON reservations.table\_id = tables.table\_id;

SELECT order\_date, SUM(total\_amount) AS total\_amount

FROM orders

GROUP BY order\_date;

SELECT payments.payment\_id, customers.customer\_name, payments.amount\_paid

FROM payments

JOIN orders ON payments.order\_id = orders.order\_id

JOIN customers ON orders.customer\_id = customers.customer\_id;

SELECT dishes.dish\_name, employees.employee\_name AS chef\_name

FROM dishes

JOIN employees ON dishes.chef\_id = employees.employee\_id;

SELECT \* FROM reviews

WHERE rating > 5;