RESTAURANT MANAGEMENT SYSTEM

Project Overview-

The project manages:

1. Customers

2. Orders

3. Menu items

4. Reservations

5. Payments

DATABASE NAME- Restaurant

1. Customers Table

```
CREATE TABLE Customers(customer_id INT PRIMARY KEY AUTO_INCREMENT,
name VARCHAR(100) NOT NULL, phone VARCHAR(15),
email VARCHAR(100),
signup_date DATE)
);
```

2. Staff Table

```
CREATE TABLE Staff(
staff_id INT PRIMARY KEY AUTO_INCREMENT,
name VARCHAR(100),role VARCHAR(50),
salary DECIMAL(10,2),
hire_date DATE)
);
```

3. Orders Table

```
CREATE TABLE Orders(
order_id INT PRIMARY KEY AUTO_INCREMENT,
```

customer_id INT,staff_id INT,dish_name VARCHAR (100),

quantity INT, total_amount DECIMAL(10,2),

FOREIGN KEY (customer_id) REFERENCES Customers(customer_id),

FOREIGN KEY (staff_id) REFERENCES Staff(staff_id)

);

4. Payments Table

```
CREATE TABLE Payments (
    payment_id INT PRIMARY KEY AUTO_INCREMENT,
    order_id INT,
    payment_method VARCHAR(50),
    amount_paid DECIMAL(10,2)
);
```


SQL QUERIES:

1. Display all customers.
2. Display all staff members who are Waiters.
3. Show all orders where quantity is greater than 1.
4. Display all payments made using Card.
5. Show customers who signed up after 2026-02-12.
6. Display orders where price is greater than 250.
7. Show staff whose salary is between 25000 and 40000.
8. List customers whose name starts with 'R'.
9. Display payments where amount_paid is greater than 900.
10. Show orders where dish_name = 'Pizza'.
11. Find total salary paid to all staff.
12. Find average salary of staff.
13. Find maximum payment amount.
14. Count number of staff in each role.
15. Find total salary grouped by role.
16. Count number of orders placed by each customer.
17. Find total payment amount by payment_method.
18. Display customer name along with their orders.
19. Show customer name and total amount they paid.
20. Display order details along with payment method.
21. Display customer name, dish_name, quantity, and payment_method together.