Coding Challenge – Day 1

Assume you are working as a Data Analyst for an online food delivery platform.
Your task is to write SQL queries based on the given database structure.

The database contains **two tables**:

- **Customers** – stores customer details
- **Orders** – stores food order information

Your goal is to analyze the data and answer the questions using SQL queries only.

Database Schema

Table: Customers

Column	Type
customer_id	INT (PK)
name	VARCHAR(50)
city	VARCHAR(50)

Table: Orders

Column	Type
order_id	INT (PK)
customer_id	INT (FK)
restaurant	VARCHAR(50)
amount	DECIMAL(10,2)
order_date	DATE

SQL Setup (Run Before Attempting)

Create Customers table

```
CREATE TABLE Customers (
    customer_id INT PRIMARY KEY,
    name VARCHAR(50),
    city VARCHAR(50)
);
```

Insert data into Customers

```
INSERT INTO Customers (customer_id, name, city) VALUES
(1, 'Arjun', 'Bengaluru'),
(2, 'Sneha', 'Hyderabad'),
(3, 'Rahul', 'Chennai'),
(4, 'Priya', 'Bengaluru'),
(5, 'Kiran', 'Mumbai'),
(6, 'Divya', 'Bengaluru'),
(7, 'Vikram', 'Hyderabad'),
(8, 'Asha', 'Chennai'),
(9, 'Manoj', 'Pune'),
(10, 'Swathi', 'Bengaluru');
```

Create Orders table

```
CREATE TABLE Orders (
    order_id INT PRIMARY KEY,
    customer_id INT,
    restaurant VARCHAR(50),
    amount DECIMAL(10,2),
    order_date DATE,
```

```
    FOREIGN KEY (customer_id) REFERENCES Customers(customer_id)
);
```

Insert data into Orders

```
INSERT INTO Orders (order_id, customer_id, restaurant, amount, order_date) VALUES
(101, 1, 'Meghana Foods', 550.00, '2025-01-01'),
(102, 2, 'Paradise Biryani', 780.00, '2025-01-03'),
(103, 3, 'KFC', 420.00, '2025-01-05'),
(104, 1, 'Empire Restaurant', 300.00, '2025-01-08'),
(105, 4, 'Meghana Foods', 950.00, '2025-01-10'),
(106, 6, 'Truffles', 1100.00, '2025-01-11'),
(107, 7, 'Kritunga', 650.00, '2025-01-12'),
(108, 4, 'KFC', 350.00, '2025-01-14'),
(109, 9, 'Burger King', 270.00, '2025-01-15'),
(110, 10, 'Meghana Foods', 1250.00, '2025-01-16');
```

SQL Tasks

1. List all customers who have placed at least one order.
2. Find the total amount spent by each customer.
3. Display the top 3 customers based on total spending.
4. Retrieve all orders placed in the last 7 days (from latest order date).
5. Show customers who have never placed an order.
6. Find the restaurant that received the highest number of orders.
7. List customers from “Bengaluru” who spent more than ₹1000.
8. Show the total number of orders placed per city.
9. Find the average order amount for each restaurant.
10. Identify customers who placed more than 5 orders.

Submission

Upload the SQL File with queries and word document with question,sql statement and respective output into your Git repository.