**Food Booking Application:-**

**1. Restaurants with rating ≥ 4.5**

SELECT Name, City

FROM Restaurants

WHERE Rating >= 4.5;

**2. Total number of orders per customer**

SELECT c.FirstName, c.LastName, COUNT(o.OrderID) AS TotalOrders

FROM Customers c

LEFT JOIN Orders o ON c.CustomerID = o.CustomerID

GROUP BY c.CustomerID;

**3. Italian restaurants in Mumbai**

SELECT Name

FROM Restaurants

WHERE City = 'Mumbai' AND CuisineType = 'Italian';

**4. Total revenue by restaurant (only 'Delivered' orders)**

SELECT r.Name, SUM(o.OrderAmount) AS TotalRevenue

FROM Orders o

JOIN Restaurants r ON o.RestaurantID = r.RestaurantID

WHERE o.OrderStatus = 'Delivered'

GROUP BY r.Name;

**5. Most recent order per customer**

SELECT o.\*

FROM Orders o

JOIN (

SELECT CustomerID, MAX(OrderDate) AS RecentOrderDate

FROM Orders

GROUP BY CustomerID

) latest

ON o.CustomerID = latest.CustomerID AND o.OrderDate = latest.RecentOrderDate;

**6. Customers with no orders**

SELECT FirstName, LastName

FROM Customers

WHERE CustomerID NOT IN (SELECT DISTINCT CustomerID FROM Orders);

**7. Most reviewed restaurants**

SELECT r.Name, COUNT(rv.ReviewID) AS ReviewCount

FROM Reviews rv

JOIN Restaurants r ON rv.RestaurantID = r.RestaurantID

GROUP BY r.Name

ORDER BY ReviewCount DESC;

**8. Most preferred payment method**

SELECT PaymentMethod, COUNT(\*) AS UsageCount

FROM Payments

GROUP BY PaymentMethod

ORDER BY UsageCount DESC

LIMIT 1;

**9. Top 5 restaurants by total revenue**

SELECT r.Name, SUM(o.OrderAmount) AS Revenue

FROM Orders o

JOIN Restaurants r ON o.RestaurantID = r.RestaurantID

WHERE o.OrderStatus = 'Delivered'

GROUP BY r.Name

ORDER BY Revenue DESC

LIMIT 5;

**10. Cancelled orders with customer and restaurant names**

SELECT o.OrderID, c.FirstName, c.LastName, r.Name AS RestaurantName, o.OrderDate, o.OrderAmount

FROM Orders o

JOIN Customers c ON o.CustomerID = c.CustomerID

JOIN Restaurants r ON o.RestaurantID = r.RestaurantID

WHERE o.OrderStatus = 'Cancelled';