1. Retrieve the names and locations of restaurants with

rating of 4.5 or higher

select name ,city from Restaurants

where rating>=4.5;

1. Find the total number of orders placed by each

customer.

SELECT c.CustomerID, CONCAT(c.FirstName, ' ', c.LastName) AS CustomerName, COUNT(o.OrderID) AS TotalOrders

FROM Customers c LEFT JOIN Orders o ON c.CustomerID = o.CustomerID GROUP BY c.CustomerID ORDER BY TotalOrders DESC;

1. List all restaurants offering "Italian" cuisine in

"Mumbai".

SELECT RestaurantID, Name, City, CuisineType, Rating, AverageCostForTwo FROM Restaurants WHERE CuisineType = 'Italian' AND City = 'Mumbai';

1. Calculate the total revenue generated by each

restaurant from completed orders.

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

FROM Restaurants r JOIN Orders o ON r.RestaurantID = o.RestaurantID WHERE o.OrderStatus = 'Delivered'

GROUP BY r.RestaurantID, r.Name

ORDER BY TotalRevenue DESC;

1. Retrieve the most recent order placed by each

customer.

SELECT o.OrderID, o.CustomerID, CONCAT(c.FirstName, ' ', c.LastName) AS CustomerName, o.RestaurantID, r.Name AS RestaurantName, o.OrderDate, o.OrderAmount, o.OrderStatus

FROM Orders o JOIN Customers c ON o.CustomerID = c.CustomerID JOIN Restaurants r ON o.RestaurantID = r.RestaurantID

WHERE o.OrderDate = ( SELECT MAX(OrderDate) FROM Orders

WHERE CustomerID = o.CustomerID )

ORDER BY o.CustomerID;

1. List customers who have not placed any orders yet.

SELECT c.CustomerID, CONCAT(c.FirstName, ' ', c.LastName) AS CustomerName, c.Phone, c.City, c.JoinDate

FROM Customers c LEFT JOIN Orders o ON c.CustomerID = o.CustomerID WHERE o.OrderID IS NULL;

1. Identify the most reviewed restaurants.

SELECT r.RestaurantID, r.Name AS RestaurantName, COUNT(rv.ReviewID) AS TotalReviews

FROM Restaurants r JOIN Reviews rv ON r.RestaurantID = rv.RestaurantID GROUP BY r.RestaurantID, r.Name ORDER BY TotalReviews DESC;

8. Find the most preferred payment method.

SELECT PaymentMethod, COUNT(PaymentID) AS PaymentCount

FROM Payments

GROUP BY PaymentMethod

ORDER BY PaymentCount DESC LIMIT 1;

1. List the top 5 restaurants by total revenue.

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

FROM Restaurants r JOIN Orders o ON r.RestaurantID = o.RestaurantID WHERE o.OrderStatus = 'Delivered' GROUP BY r.RestaurantID, r.Name ORDER BY TotalRevenue DESC LIMIT 5;

10. Show the details of all cancelled orders along with

the customer's and restaurant's names

SELECT o.OrderID,o.OrderDate, o.OrderAmount, o.OrderStatus,

CONCAT(c.FirstName, ' ', c.LastName) AS CustomerName,

c.Phone AS CustomerPhone, r.Name AS RestaurantName,

r.City AS RestaurantCity, r.CuisineType AS RestaurantCuisine

FROM Orders JOIN Customers c ON o.CustomerID = c.CustomerID

JOIN Restaurants r ON o.RestaurantID = r.RestaurantID

WHERE o.OrderStatus = 'Cancelled';