**Internship Task - RDBMS and SQL Task #5**

**food booking application like Zomato**

**1].** SELECT Name, City

FROM Restaurants

WHERE Rating >= 4.5;

Name City

Spicy India New York

Pasta Palace Los Angeles

Sushi World Seattle

Thai Delight Portland

Dim Sum Corner Boston

**2**]. SELECT CustomerID, COUNT(OrderID) AS TotalOrders

FROM Orders

GROUP BY CustomerID;

| [**CustomerID**](http://localhost/phpmyadmin/sql.php?db=zomato&table=Orders&sql_query=SELECT+CustomerID%2C+COUNT%28OrderID%29+AS+TotalOrders%0AFROM+Orders%0AGROUP+BY+CustomerID+ORDER+BY+%60Orders%60.%60CustomerID%60++DESC&session_max_rows=30&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | [**TotalOrders**](http://localhost/phpmyadmin/sql.php?db=zomato&table=Orders&sql_query=SELECT+CustomerID%2C+COUNT%28OrderID%29+AS+TotalOrders%0AFROM+Orders%0AGROUP+BY+CustomerID+ORDER+BY+%60TotalOrders%60+ASC&session_max_rows=30&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) |
| --- | --- |
| [1](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+1&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |
| [2](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+2&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |
| [3](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+3&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |
| [4](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+4&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |
| [5](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+5&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |
| [6](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+6&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |
| [7](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+7&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |
| [8](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+8&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |
| [9](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+9&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |
| [10](http://localhost/phpmyadmin/sql.php?db=zomato&table=customers&pos=0&sql_query=SELECT+%2A+FROM+%60zomato%60.%60customers%60+WHERE+%60CustomerID%60+%3D+10&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | 1 |

**3].** SELECT Name, City, CuisineType

FROM Restaurants

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

**4].** SELECT r.Name AS RestaurantName, SUM(o.OrderAmount) AS TotalRevenue

FROM Orders o

JOIN Restaurants r ON o.RestaurantID = r.RestaurantID

WHERE o.OrderStatus = 'Delivered'

GROUP BY r.RestaurantID;

| [**RestaurantName**](http://localhost/phpmyadmin/sql.php?db=zomato&table=Orders&sql_query=SELECT+r.Name+AS+RestaurantName%2C+SUM%28o.OrderAmount%29+AS+TotalRevenue%0AFROM+Orders+o%0AJOIN+Restaurants+r+ON+o.RestaurantID+%3D+r.RestaurantID%0AWHERE+o.OrderStatus+%3D+%27Delivered%27%0AGROUP+BY+r.RestaurantID+ORDER+BY+%60r%60.%60Name%60+ASC&session_max_rows=30&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | [**TotalRevenue**](http://localhost/phpmyadmin/sql.php?db=zomato&table=Orders&sql_query=SELECT+r.Name+AS+RestaurantName%2C+SUM%28o.OrderAmount%29+AS+TotalRevenue%0AFROM+Orders+o%0AJOIN+Restaurants+r+ON+o.RestaurantID+%3D+r.RestaurantID%0AWHERE+o.OrderStatus+%3D+%27Delivered%27%0AGROUP+BY+r.RestaurantID+ORDER+BY+%60TotalRevenue%60+ASC&session_max_rows=30&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) |
| --- | --- |
| Spicy India | 28.60 |
| Golden Dragon | 45.50 |
| Sushi World | 55.00 |
| Taco Fiesta | 35.40 |
| Pizza Paradise | 30.80 |

**5**]. SELECT o.CustomerID, o.OrderID, o.OrderDate, o.OrderAmount

FROM Orders o

INNER JOIN (

SELECT CustomerID, MAX(OrderDate) AS MostRecentOrder

FROM Orders

GROUP BY CustomerID

) recent\_orders

ON o.CustomerID = recent\_orders.CustomerID AND o.OrderDate = recent\_orders.MostRecentOrder**;**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CustomerID OrderID OrderDate OrderAmount**  **1 1 2023-01-15 12:30:00 45.50**  **2 2 2023-02-10 14:00:00 60.00**  **3 3 2023-03-05 18:45:00 25.75**  **4 4 2023-04-20 20:15:00 55.00**  **5 5 2023-05-30 13:30:00 35.40**  **6 6 2023-06-15 11:00:00 50.00**  **7 7 2023-07-10 19:10:00 30.80**  **8 8 2023-08-25 17:25:00 22.50**  **9 9 2023-09-12 21:05:00 40.90**  **10 10 2023-10-18 16:40:00 28.60**  **6].** SELECT c.CustomerID, c.FirstName, c.LastName, c.City  FROM Customers c  LEFT JOIN Orders o ON c.CustomerID = o.CustomerID  WHERE o.OrderID IS NULL;  **7**]. SELECT r.Name AS RestaurantName, COUNT(rv.ReviewID) AS ReviewCount  FROM Restaurants r  JOIN Reviews rv ON r.RestaurantID = rv.RestaurantID  GROUP BY r.RestaurantID  ORDER BY ReviewCount DESC  LIMIT 1;   | **RestaurantName** | **ReviewCount** | | --- | --- | | Spicy India | 1 | |  |  |  |

**8].** SELECT PaymentMethod, COUNT(PaymentID) AS PaymentCount

FROM Payments

GROUP BY PaymentMethod

ORDER BY PaymentCount DESC

LIMIT 1;

| **PaymentMethod** | **PaymentCount** |
| --- | --- |
| Card | 4 |
| **9].** SELECT r.Name AS RestaurantName, SUM(o.OrderAmount) AS TotalRevenue  FROM Orders o  JOIN Restaurants r ON o.RestaurantID = r.RestaurantID  WHERE o.OrderStatus = 'Delivered'  GROUP BY r.RestaurantID  ORDER BY TotalRevenue DESC  LIMIT 5;   | [**RestaurantName**](http://localhost/phpmyadmin/sql.php?db=zomato&table=Orders&sql_query=GROUP+BY+r.RestaurantID+ORDER+BY+%60r%60.%60Name%60+ASC%0ALIMIT+5&session_max_rows=30&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | [**TotalRevenue**](http://localhost/phpmyadmin/sql.php?db=zomato&table=Orders&sql_query=GROUP+BY+r.RestaurantID+ORDER+BY+%60TotalRevenue%60+ASC%0ALIMIT+5&session_max_rows=30&token=3673fdcfe6b3fa781160e8eb0e0ab4b0) | | --- | --- | | Sushi World | 55.00 | | Golden Dragon | 45.50 | | Taco Fiesta | 35.40 | | Pizza Paradise | 30.80 | | Spicy India | 28.60 |   10]. SELECT o.OrderID, o.OrderDate, o.OrderAmount, o.OrderStatus, c.FirstName AS CustomerFirstName, c.LastName AS CustomerLastName, r.Name AS RestaurantName  FROM Orders o  JOIN Customers c ON o.CustomerID = c.CustomerID  JOIN Restaurants r ON o.RestaurantID = r.RestaurantID  WHERE o.OrderStatus = 'Cancelled';  OrderID OrderDate OrderAmount OrderStatus CustomerFirstName CustomerLastName RestaurantName  3 2023-03-05 18:45:00 25.75 Cancelled Rohan Verma BurgenHaven  8 2023-08-25 17:25:00 22.50 Cancelled Sanya Mehta  Curry House |  |