



Orders

OrderID CustomerID OrderDate Query to find CustomerIDs of those who have ordered more than 3 orders in 2023

```
SELECT CustomerID
FROM Orders
WHERE YEAR(OrderDate) = 2023
GROUP BY CustomerID
HAVING COUNT(OrderID) > 3;
```

Employees

EmployeeID FirstName LastName Salary

Query to find 2nd highest salary

```
SELECT DISTINCT Salary
FROM Employees
ORDER BY Salary DESC
LIMIT 1 OFFSET 1;
```

Logs

LogID UserID Action (login/logout) Timestamp Query to calculate total time each user has spent logged in (assume time between a login and the closest subsequent logout as their session time)

```
SELECT UserID,
   SUM (TIME_TO_SEC (TIMEDIFF(
        LEAD (Timestamp) OVER (PARTITION BY UserID ORDERBY Timestamp),
        Timestamp
   ))) AS TotalSessionTimeInSeconds
FROM Logs
WHERE Action = 'login'
GROUP BY UserId;
```