








 50 Advanced SQL Problems

Advanced SQL 50








 Start

☐ Show tags












Select

- ☐ Find Customers With Positive Revenue this Year 
- Easy
- ☐ Customers Who Never Order
-  Solution
- Easy
- ☐ Calculate Special Bonus
-  Solution
- Easy
- ☐ Customers Who Bought Products A and B but Not C 
-  Solution
- Medium
- ☐ Highest Grade For Each Student 
-  Solution
- Medium









Basic Joins

- ☐ Combine Two Tables
-  Solution
- Easy
- ☐ Sellers With No Sales 
-  Solution
- Easy
- ☐ Top Travellers
-  Solution
- Easy
- ☐ Sales Person
-  Solution
- Easy
- ☐ Evaluate Boolean Expression 
-
- Medium
- ☐ Team Scores in Football Tournament 
-
- Medium

Basic Aggregate Functions










- | | | |
|---|--|--------|
| <input type="radio"/> The Latest Login in 2020 |  Solution | Easy |
| <input type="radio"/> Game Play Analysis I |  Solution | Easy |
| <input type="radio"/> Warehouse Manager  |  Solution | Easy |
| <input type="radio"/> Customer Placing the Largest Number of Orders |  Solution | Easy |
| <input type="radio"/> Find Total Time Spent by Each Employee |  Solution | Easy |
| <input type="radio"/> Immediate Food Delivery I  |  Solution | Easy |
| <input type="radio"/> Apples & Oranges  |  Solution | Medium |
| <input type="radio"/> Number of Calls Between Two Persons  | | Medium |

Sorting and Grouping










- | | | |
|---|--|--------|
| <input type="radio"/> Bank Account Summary II |  Solution | Easy |
| <input type="radio"/> Duplicate Emails |  Solution | Easy |
| <input type="radio"/> Actors and Directors Who Cooperated At Least Three Times |  Solution | Easy |
| <input type="radio"/> Customer Order Frequency  | | Easy |
| <input type="radio"/> Daily Leads and Partners |  Solution | Easy |
| <input type="radio"/> Friendly Movies Streamed Last Month  |  Solution | Easy |
| <input type="radio"/> Countries You Can Safely Invest In  | | Medium |

Advanced Select and Joins






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|---|--|------|
| <input type="radio"/> Consecutive Available Seats  |  Solution | Easy |
| <input type="radio"/> Rearrange Products Table |  Solution | Easy |





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|--|--|--------|
| <input type="radio"/> Shortest Distance in a Line  |  Solution | Easy |
| <input type="radio"/> Employees With Missing Information | | Easy |
| <input type="radio"/> Page Recommendations  | | Medium |
| <input type="radio"/> Tree Node |  Solution | Medium |
| <input type="radio"/> Game Play Analysis III  |  Solution | Medium |
| <input type="radio"/> Grand Slam Titles  | | Medium |
| <input type="radio"/> Leetflex Banned Accounts  |  Solution | Medium |

Subqueries

- | | | |
|---|--|--------|
| <input type="radio"/> Students With Invalid Departments  | | Easy |
| <input type="radio"/> Find the Team Size  | | Easy |
| <input type="radio"/> Game Play Analysis II  |  Solution | Easy |
| <input type="radio"/> Department Highest Salary |  Solution | Medium |
| <input type="radio"/> The Most Recent Orders for Each Product  |  Solution | Medium |
| <input type="radio"/> The Most Recent Three Orders  | | Medium |
| <input type="radio"/> Maximum Transaction Each Day  | | Medium |

Advanced Topics: Window Function and CTE

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|--|--|--------|
| <input type="radio"/> Project Employees III  |  Solution | Medium |
| <input type="radio"/> Find the Start and End Number of Continuous Ranges  | | Medium |
| <input type="radio"/> The Most Frequently Ordered Products for Each Customer  | | Medium |
| <input type="radio"/> Biggest Window Between Visits  | | Medium |

- ☐ All People Report to the Given Manager  Medium
- ☐ Find the Quiet Students in All Exams  Hard
- ☐ Find the Subtasks That Did Not Execute  Hard
- ☐ Report Contiguous Dates  Hard