

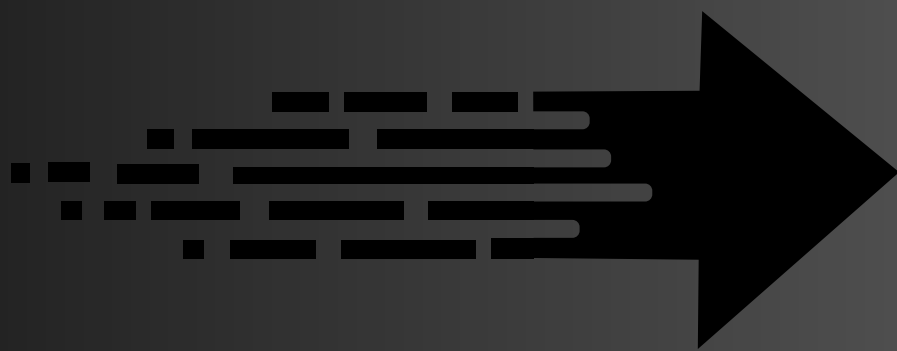


LeetCode

50 Days 50 SQL Questions
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Day 36/50

**36. Count Salary
Categories**





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Question

Write a solution to calculate the number of bank accounts for each salary category. The salary categories are:

- "Low Salary": All the salaries **strictly less** than \$20000.
- "Average Salary": All the salaries in the **inclusive** range [\$20000, \$50000].
- "High Salary": All the salaries **strictly greater** than \$50000.

The result table **must** contain all three categories. If there are no accounts in a category, return 0.

Return the result table in **any order**.





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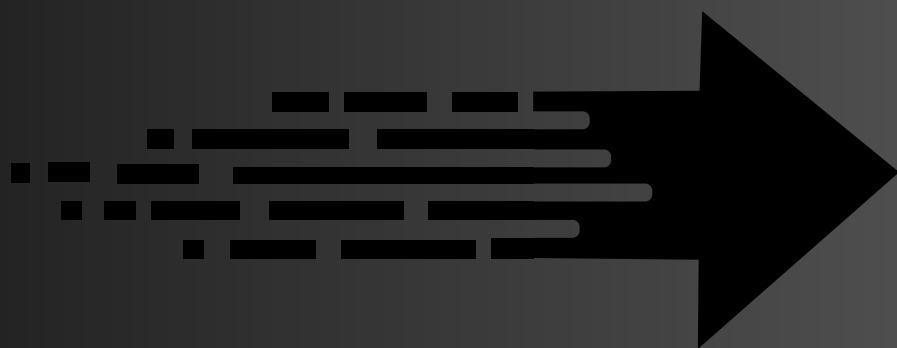
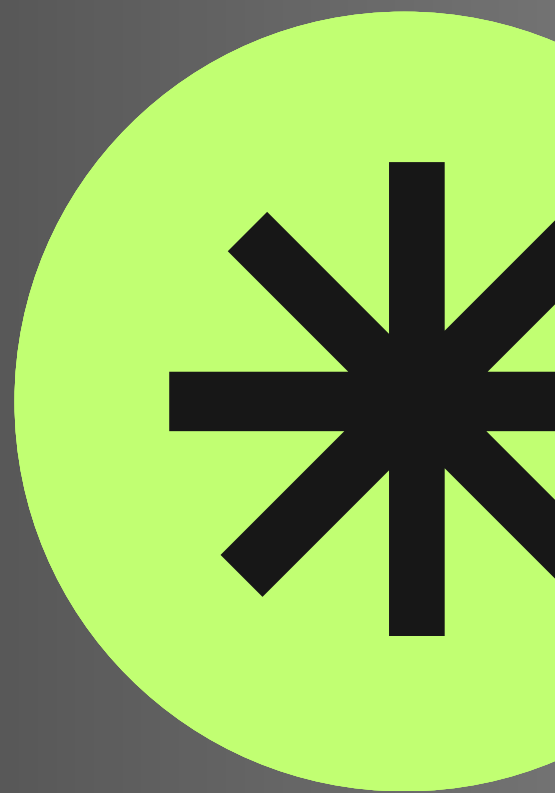
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Table

Input:

Accounts table:

account_id	income
3	108939
2	12747
8	87709
6	91796





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Approach

Used the Union to make a table of category and accounts_count column and used Count along with If clause to draw desirable outputs. This ques. can't be done by Case as we need to provide Null for those categories which has 0 records but in Case it will just skip that category instead of giving it NULL.





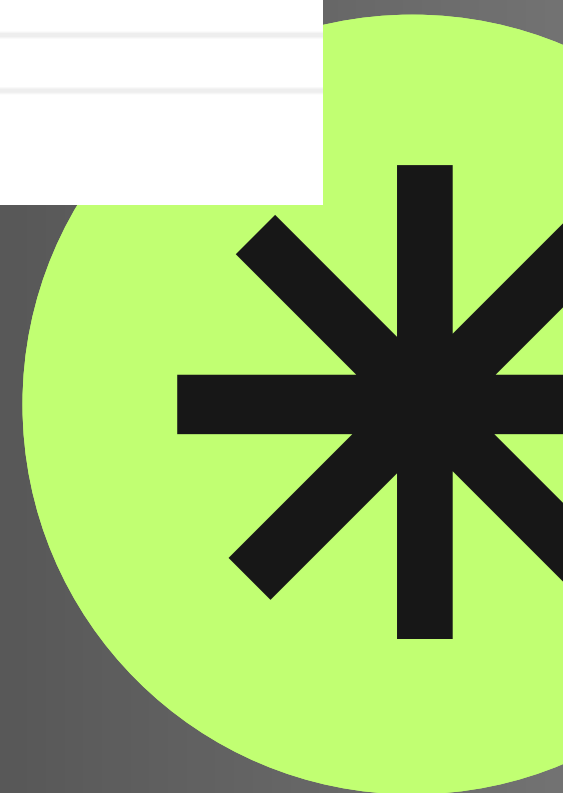
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Query

MySQL   Auto

```
1 SELECT 'Low Salary' AS category,  
2 |   COUNT(IF(income < 20000, 1,NULL)) AS accounts_count FROM accounts  
3 UNION  
4 SELECT 'Average Salary',  
5 |   COUNT(IF(income BETWEEN 20000 AND 50000, 1,NULL))FROM accounts  
6 UNION  
7 SELECT 'High Salary',  
8 |   COUNT(IF(income > 50000, 1,NULL)) FROM accounts;
```





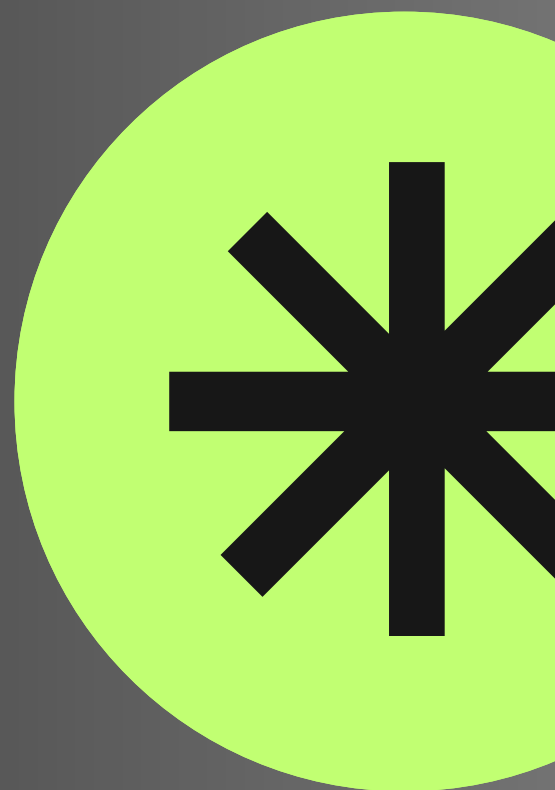
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Output

Output:

category	accounts_count
Low Salary	1
Average Salary	0
High Salary	3





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Thank You :)

