

Problem 1907: Count Salary Categories

Problem Information

Difficulty: Medium
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Table:

Accounts

+-----+-----+ | Column Name | Type | +-----+-----+ | account_id | int | | income | int
| +-----+-----+ account_id is the primary key (column with unique values) for this table.
Each row contains information about the monthly income for one bank account.

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

.

The result format is in the following example.

Example 1:

Input:

Accounts table: +-----+-----+ | account_id | income | +-----+-----+ | 3 | 108939 | |
2 | 12747 | | 8 | 87709 | | 6 | 91796 | +-----+-----+

Output:

+-----+-----+ | category | accounts_count | +-----+-----+ | Low
Salary | 1 | | Average Salary | 0 | | High Salary | 3 | +-----+-----+

Explanation:

Low Salary: Account 2. Average Salary: No accounts. High Salary: Accounts 3, 6, and 8.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd

def count_salary_categories(accounts: pd.DataFrame) -> pd.DataFrame:
```

Solutions

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