

# 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

### MySQL Solution:

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