

Problem List < >      

Description Accepted Editorial Solutions Submissions

2004. The Number of Seniors and Juniors to Join the Company

Hard Topics

SQL Schema > Pandas Schema >

Table: Candidates

| Column Name | Type |
|-------------|------|
| employee_id | int |
| experience | enum |
| salary | int |

employee_id is the column with unique values for this table. experience is an ENUM (category) type of values ('Senior', 'Junior'). Each row of this table indicates the id of a candidate, their monthly salary, and their experience.

A company wants to hire new employees. The budget of the company for the salaries is \$70000. The company's criteria for hiring are:

1. Hiring the largest number of seniors.
2. After hiring the maximum number of seniors, use the remaining budget to hire the largest number of juniors.

Write a solution to find the number of seniors and juniors hired under the mentioned criteria.

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

The result format is in the following example.

Example 1:

Input:

Candidates table:

| employee_id | experience | salary |
|-------------|------------|--------|
| 1 | Junior | 10000 |
| 9 | Junior | 10000 |
| 2 | Senior | 20000 |
| 11 | Senior | 20000 |
| 13 | Senior | 50000 |
| 4 | Junior | 40000 |

Output:

| experience | accepted_candidates |
|------------|---------------------|
| Senior | 2 |
| Junior | 2 |

Explanation:

We can hire 2 seniors with IDs (2, 11). Since the budget is \$70000 and the sum of their salaries is \$40000, we still have \$30000 but they are not enough to hire the senior candidate with ID 13.

We can hire 2 juniors with IDs (1, 9). Since the remaining budget is \$30000 and the sum of their salaries is \$20000, we still have \$10000 but they are not enough to hire the junior candidate with ID 4.

Example 2:

Input:

Candidates table:

| employee_id | experience | salary |
|-------------|------------|--------|
| 1 | Junior | 10000 |
| 9 | Junior | 10000 |
| 2 | Senior | 80000 |
| 11 | Senior | 80000 |
| 13 | Senior | 80000 |
| 4 | Junior | 40000 |

Output:

| experience | accepted_candidates |
|------------|---------------------|
| Senior | 0 |
| Junior | 3 |

Explanation:

We cannot hire any seniors with the current budget as we need at least \$80000 to hire one senior.

We can hire all three juniors with the remaining budget.

Seen this question in a real interview before? 1/5

Yes No

Accepted 10,547 / 23.1K | Acceptance Rate 45.7%

Topics

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119 4 100 0 Online 13 Senior 50000 | 14 Junior 40000 |