

Problem 3051: Find Candidates for Data Scientist Position

Problem Information

Difficulty: **Easy**

Acceptance Rate: 0.00%

Paid Only: No

Problem Description

Table:

Candidates

+-----+-----+ | Column Name | Type | +-----+-----+ | candidate_id | int | | skill | varchar | +-----+-----+ (candidate_id, skill) is the primary key (columns with unique values) for this table. Each row includes candidate_id and skill.

Write a query to find the

candidates

best suited for a Data Scientist position. The candidate must be proficient in

Python

,

Tableau

, and

PostgreSQL

.

Return

the result table ordered by

candidate_id

in

ascending order

The result format is in the following example.

Example 1:

Input:

Candidates table: +-----+-----+ | candidate_id | skill | -----+-----+ |
123 | Python | | 234 | R | | 123 | Tableau | | 123 | PostgreSQL | | 234 | PowerBI | | 234 | SQL
Server | | 147 | Python | | 147 | Tableau | | 147 | Java | | 147 | PostgreSQL | | 256 | Tableau | |
102 | DataAnalysis | +-----+-----+

Output:

+-----+ | candidate_id | +-----+ | 123 | | 147 | +-----+

Explanation:

- Candidates 123 and 147 possess the necessary skills in Python, Tableau, and PostgreSQL for the data scientist position.
- Candidates 234 and 102 do not possess any of the required skills for this position.
- Candidate 256 has proficiency in Tableau but is missing skills in Python and PostgreSQL. The output table is sorted by candidate_id in ascending order.

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 find_candidates(candidates: pd.DataFrame) -> pd.DataFrame:
```

Solutions

MySQL Solution:

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