Problem 2041: Accepted Candidates From the Interviews

Problem Information

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

Problem Description

Table:

Candidates

+--------------+----------+ | Column Name | Type | +--------------+----------+ | candidate_id | int | | name | varchar | | years_of_exp | int | | interview_id | int | +--------------+----------+ candidate_id is the primary key (column with unique values) for this table. Each row of this table indicates the name of a candidate, their number of years of experience, and their interview ID.

Table:

Rounds

+--------------+------+ | Column Name | Type | +--------------+------+ | interview_id | int | | round_id | int | | score | int | +--------------+------+ (interview_id, round_id) is the primary key (combination of columns with unique values) for this table. Each row of this table indicates the score of one round of an interview.

Write a solution to report the IDs of the candidates who have

at least two

years of experience and the sum of the score of their interview rounds is

strictly greater than

15

.

Return the result table in

any order

.

The result format is in the following example.

Example 1:

Input:

Candidates table: +--------------+---------+--------------+--------------+ | candidate_id | name | years_of_exp | interview_id | +--------------+---------+--------------+--------------+ | 11 | Atticus | 1 | 101 | | 9 | Ruben | 6 | 104 | | 6 | Aliza | 10 | 109 | | 8 | Alfredo | 0 | 107 | +--------------+---------+--------------+--------------+ Rounds table: +--------------+----------+-------+ | interview_id | round_id | score | +--------------+----------+-------+ | 109 | 3 | 4 | | 101 | 2 | 8 | | 109 | 4 | 1 | | 107 | 1 | 3 | | 104 | 3 | 6 | | 109 | 1 | 4 | | 104 | 4 | 7 | | 104 | 1 | 2 | | 109 | 2 | 1 | | 104 | 2 | 7 | | 107 | 2 | 3 | | 101 | 1 | 8 | +--------------+----------+-------+

Output:

+--------------+ | candidate_id | +--------------+ | 9 | +--------------+

Explanation:

- Candidate 11: The total score is 16, and they have one year of experience. We do not include them in the result table because of their years of experience. - Candidate 9: The total score is 22, and they have six years of experience. We include them in the result table. - Candidate 6: The total score is 10, and they have ten years of experience. We do not include them in the result table because the score is not good enough. - Candidate 8: The total score is 6, and they have zero years of experience. We do not include them in the result table because of their years of experience and the score.

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 accepted_candidates(candidates: pd.DataFrame, rounds: pd.DataFrame) ->
pd.DataFrame:
```

Solutions

MySQL Solution:

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

MS SQL Server Solution:

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

PostgreSQL Solution:

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

Oracle Solution:

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

Pandas Solution:

```
import pandas as pd

def accepted_candidates(candidates: pd.DataFrame, rounds: pd.DataFrame) ->
pd.DataFrame:
```