

Problem List

DescriptionEditorSolutionsSubmissions

1241. Number of Comments per Post

Premium

Solved

EasyTopicsCompanies

SQL SchemaPandas Schema

Table: Submissions

Column Name	Type
sub_id	int
parent_id	int

This table may have duplicate rows.  
Each row can be a post or comment on the post.  
parent\_id is null for posts.  
parent\_id for comments is sub\_id for another post in the table.

Write a solution to find the number of comments per post. The result table should contain post\_id and its corresponding number\_of\_comments.

The Submissions table may contain duplicate comments. You should count the number of unique comments per post.

The Submissions table may contain duplicate posts. You should treat them as one post.

The result table should be ordered by post\_id in ascending order.

The result format is in the following example.

Example 1:

Input:

Submissions table:

sub_id	parent_id
1	Null
2	Null
1	Null
12	Null
3	1
5	2
3	1
4	1
9	1
10	2
6	7

Output:

post_id	number_of_comments
1	3
2	2
12	0

Explanation:

The post with id 1 has three comments in the table with id 3, 4, and 9. The comment with id 3 is repeated in the table, we counted it **only once**.

The post with id 2 has two comments in the table with id 5 and 10.

The post with id 12 has no comments in the table.

The comment with id 6 is a comment on a deleted post with id 7 so we ignored it.

Code

MySQLAuto

```
1 # Write your MySQL query statement below
2
3 SELECT
4     S1.sub_id AS post_id,
5     COUNT(DISTINCT S2.sub_id) AS number_of_comments
6 FROM
7     Submissions S1 LEFT JOIN Submissions S2
8 ON
9     S1.sub_id = S2.parent_id
10 WHERE S1.parent_id IS NULL
11 GROUP BY S1.sub_id
12
```

SavedLn 12, Col 1

TestcaseTest Result

AcceptedRuntime: 339 ms

Case 1

Input

Submissions =

sub_id	parent_id
1	null
2	null
1	null
12	null
3	1
5	2

Seen this question in a real interview before?

1/5

YesNo

Accepted 35.1KSubmissions 53.2KAcceptance Rate 65.9%

TopicsCompaniesDiscussion (12)

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