

# Problem 1241: Number of Comments per Post

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 0.00%

**Paid Only:** No

## Problem Description

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 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_comments(submissions: pd.DataFrame) -> pd.DataFrame:
```

## Solutions

**MySQL Solution:**

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**Pandas Solution:**

```
import pandas as pd

def count_comments(submissions: pd.DataFrame) -> pd.DataFrame:
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