Problem 1241: Number of Comments per Post

Problem Information

Difficulty: Easy
Acceptance Rate: 65.74%
Paid Only: Yes
Tags: Database

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
```