

1990. Count the Number of Experiments

Premium

Medium

Topics

Companies

SQL Schema

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Pandas Schema

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Table:

Experiments

Column Name	Type
experiment_id	int
platform	enum
experiment_name	enum

experiment\_id is the column with unique values for this table.

platform is an enum (category) type of values ('Android', 'IOS', 'Web').

experiment\_name is an enum (category) type of values ('Reading', 'Sports', 'Programming').

This table contains information about the ID of an experiment done with a random person, the platform used to do the experiment, and the name of the experiment.

Write a solution to report the **number of experiments** done on each of the three platforms for each of the three given experiments. Notice that all the pairs of (platform, experiment) should be included in the output **including** the pairs with **zero experiments**.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

**Input:**  
Experiments table:

experiment_id	platform	experiment_name
4	IOS	Programming
13	IOS	Sports
14	Android	Reading
8	Web	Reading
12	Web	Reading
18	Web	Programming

**Output:**

platform	experiment_name	num_experiments
Android	Reading	1
Android	Sports	0
Android	Programming	0
IOS	Reading	0
IOS	Sports	1
IOS	Programming	1
Web	Reading	2
Web	Sports	0
Web	Programming	1

**Explanation:**  
On the platform "Android", we had only one "Reading" experiment.  
On the platform "IOS", we had one "Sports" experiment and one "Programming" experiment.  
On the platform "Web", we had two "Reading" experiments and one "Programming" experiment.

Seen this question in a real interview before? 1/5

Yes

No

Accepted

7.8K

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Submissions

15.7K

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Acceptance Rate

49.3%

Topics

Database

Companies

0 - 6 months

Strava2

Discussion (4)