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Homework 1

Homework 01

Soon after joining Google's elite dev team, Area 120, you were assigned to a project using MySQL since it was your specialty. The project was a social media platform specialized in allowing developers from all over the globe to connect to each other, and it would have features similar to Facebook. For your first task, you have been assigned to work on the tables of one of the project databases. The table name is "users" which is shown below.

member_id	name	email	influence_count	member_since	multiplier
1	Taylor Otwell	otwell@laravel.com	739360	2020-6-10	10
2	Ryan Dahl	ryan@nodejs.org	633632	2020-04-22	10
3	Brendan Eich	eich@javascript.com	939570	2020-05-07	8
5	Evan You	you@vuejs.org	982630	2020-06-11	7
6	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-3	8
7	Guido van Rossum	guido@python.org	968827	2020-07-18	19
8	Adrian Holovaty	adrian@djangoproject.com	570724	2020-05-07	5

9	Simon Willison	simon@django project.com	864615	2020-04-30	4
10	James Gosling	james@java.com	719491	2020-05-18	5
11	Rod Johnson	rod@spring.io	601744	2020-05-18	7
12	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10

Write the queries of the tasks given below.

1. Change the column name "influence_count". The new name should be "followers" and the data type should be integer.
2. Change the column name "member_since". The new name should be "joining_date" and the data type should be date.
3. Show the name, email, and follower number of the developers.
4. There is a formula to find the efficiency of the developers.

$$\text{Efficiency} = ((\text{followers} * 100 / 1000000) * (\text{multipliers} * 100 / 20)) / 100.$$
Find the efficiency of each developer and show them in a column named "Efficiency".
5. Change the Data Type of "multiplier" from integer to character type. Keep in mind that the multiplier cannot be greater than 20.

You have to submit the queries in the following google form:

[Click here to submit the homework](#)

Solve all the problems in your machine, and then submit the queries in this form. You can submit only once.

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