

1853. Convert Date Format

Problem

Given a table `Days` with a `day` column of date type, the goal is to write an SQL query that will convert each date in the table into a string formatted as "day_name, month_name day, year". The result table should be returned in any order, and the output must be case-sensitive.

Example

Consider the following `Days` table:

day
2022-04-12
2021-08-09
2020-06-26

The expected query result would be:

day
Tuesday, April 12, 2022
Monday, August 9, 2021
Friday, June 26, 2020

Approach

To solve this problem, MySQL's `DATE_FORMAT` function can be used. This function allows you to format a date value based on a given format pattern. The following format pattern can be used to achieve the required output:

```
%W, %M %e, %Y
```

This pattern will replace `%W` with the day name, `%M` with the month name, `%e` for the day number without leading zeros, and `%Y` for the year.

Example

Let's walk through the problem example using this approach:

```
2022-04-12 -> DATE_FORMAT('2022-04-12', '%W, %M %e, %Y') -> Tuesday, April 12, 2022
2021-08-09 -> DATE_FORMAT('2021-08-09', '%W, %M %e, %Y') -> Monday, August 9, 2021
2020-06-26 -> DATE_FORMAT('2020-06-26', '%W, %M %e, %Y') -> Friday, June 26, 2020
```

Solution

SQL

To achieve the required result, we can write an SQL query as follows:

```
SELECT DATE_FORMAT(day, '%W, %M %e, %Y') AS day
FROM Days;
```