MySQL

```
1   # Write your MySQL query
    statement below
2
```

1294. Weather Type in Each Country

Easy   👍 21   👎 3   ♡ Add to List   ⤴ Share

SQL Schema ›

Table: Countries

```
+----------------+---------+
| Column Name    | Type    |
+----------------+---------+
| country_id     | int     |
| country_name   | varchar |
+----------------+---------+
country_id is the primary key for this table.
Each row of this table contains the ID and the name of one country.
```

Table: Weather

```
+----------------+---------+
| Column Name    | Type    |
+----------------+---------+
| country_id     | int     |
| weather_state  | varchar |
| day            | date    |
+----------------+---------+
(country_id, day) is the primary key for this table.
Each row of this table indicates the weather state in a country for one day.
```

Write an SQL query to find the type of weather in each country for November 2019.

The type of weather is **Cold** if the average weather_state is less than or equal 15, **Hot** if the average weather_state is greater than or equal 25 and **Warm** otherwise.

Return result table in any order.

The query result format is in the following example:

```
Countries table:
+------------+--------------+
| country_id | country_name |
+------------+--------------+
| 2          | USA          |
| 3          | Australia    |
| 7          | Peru         |
| 5          | China        |
| 8          | Morocco      |
| 9          | Spain        |
+------------+--------------+
Weather table:
+------------+---------------+------------+
| country_id | weather_state | day        |
+------------+---------------+------------+
| 2          | 15            | 2019-11-01 |
| 2          | 12            | 2019-10-28 |
| 2          | 12            | 2019-10-27 |
| 3          | -2            | 2019-11-10 |
| 3          | 0             | 2019-11-11 |
| 3          | 3             | 2019-11-12 |
| 5          | 16            | 2019-11-07 |
| 5          | 18            | 2019-11-09 |
| 5          | 21            | 2019-11-23 |
| 7          | 25            | 2019-11-28 |
| 7          | 22            | 2019-12-01 |
| 7          | 20            | 2019-12-02 |
| 8          | 25            | 2019-11-05 |
| 8          | 27            | 2019-11-15 |
| 8          | 31            | 2019-11-25 |
| 9          | 7             | 2019-10-23 |
| 9          | 3             | 2019-12-23 |
+------------+---------------+------------+
Result table:
+--------------+--------------+
| country_name | weather_type |
+--------------+--------------+
| USA          | Cold         |
| Australia    | Cold         |
| Peru         | Hot          |
| China        | Warm         |
| Morocco      | Hot          |
+--------------+--------------+
Average weather_state in USA in November is (15) / 1 = 15 so weather type is Cold.
Average weather_state in Australia in November is (-2 + 0 + 3) / 3 = 0.333 so weather type is Cold.
Average weather_state in Peru in November is (25) / 1 = 25 so weather type is Hot.
Average weather_state in China in November is (16 + 18 + 21) / 3 = 18.333 so weather type is Warm.
Average weather_state in Morocco in November is (25 + 27 + 31) / 3 = 27.667 so weather type is Hot.
We know nothing about average weather_state in Spain in November so we don't include it in the result table.
```

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Seen this question in a real interview before?   Yes   No

Contributor

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