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 |

| Austraila | 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 Austraila 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.