2991. Top Three Wineries

Hard | Topics | Companies

SQL Schema >   Pandas Schema >

Table: `Wineries`

```
+-------------+----------+
| Column Name | Type     |
+-------------+----------+
| id          | int      |
| country     | varchar  |
| points      | int      |
| winery      | varchar  |
+-------------+----------+
id is column of unique values for this table.
This table contains id, country, points, and winery.
```

Write a solution to find the **top three wineries** in **each country** based on their **total points**. If **multiple wineries** have the **same** total points, order them by `winery` name in **ascending** order. If there's **no second winery**, output 'No second winery,' and if there's **no third winery**, output 'No third winery.'

Return *the result table ordered by* `country` *in **ascending** order.*

The result format is in the following example.

Example 1:

Input:
Wineries table:
```
+-----+-----------+--------+-----------------+
| id  | country   | points | winery          |
+-----+-----------+--------+-----------------+
| 103 | Australia | 84     | WhisperingPines |
| 737 | Australia | 85     | GrapesGalore    |
| 848 | Australia | 100    | HarmonyHill     |
| 222 | Hungary   | 60     | MoonlitCellars  |
| 116 | USA       | 47     | RoyalVines      |
| 124 | USA       | 45     | Eagle'sNest     |
| 648 | India     | 69     | SunsetVines     |
| 894 | USA       | 39     | RoyalVines      |
| 677 | USA       | 9      | PacificCrest    |
+-----+-----------+--------+-----------------+
```
Output:
```
+-----------+--------------------+--------------------+---------------------+
| country   | top_winery         | second_winery      | third_winery        |
+-----------+--------------------+--------------------+---------------------+
| Australia | HarmonyHill (100)  | GrapesGalore (85)  | WhisperingPines (84)|
| Hungary   | MoonlitCellars (60)| No second winery   | No third winery     |
| India     | SunsetVines (69)   | No second winery   | No third winery     |
| USA       | RoyalVines (86)    | Eagle'sNest (45)   | PacificCrest (9)    |
+-----------+--------------------+--------------------+---------------------+
```
Explanation
For Australia
 - HarmonyHill Winery accumulates the highest score of 100 points in Australia.
 - GrapesGalore Winery has a total of 85 points, securing the second-highest position in Australia.
 - WhisperingPines Winery has a total of 80 points, ranking as the third-highest.
For Hungary
 - MoonlitCellars is the sole winery, accruing 60 points, automatically making it the highest. There is no second or third winery.
For India
 - SunsetVines is the sole winery, earning 69 points, making it the top winery. There is no second or third winery.
For the USA
 - RoyalVines Wines accumulates a total of 47 + 39 = 86 points, claiming the highest position in the USA.
 - Eagle'sNest has a total of 45 points, securing the second-highest position in the USA.
 - PacificCrest accumulates 9 points, ranking as the third-highest winery in the USA
 Output table is ordered by country in ascending order.

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

Yes   No

Accepted **1.7K** | Submissions **3K** | Acceptance Rate **56.0%**

Topics

Database

Companies

0 - 3 months

Google 10

Discussion (8)