



Occupations ★

Problem

Submissions

Leaderboard

Pivot the Occupation column in **OCCUPATIONS** so that each Name is sorted alphabetically and displayed underneath its corresponding Occupation. The output column headers should be Doctor, Professor, Singer, and Actor, respectively.

Note: Print **NULL** when there are no more names corresponding to an occupation.

Input Format

The **OCCUPATIONS** table is described as follows:

Column	Type
Name	String
Occupation	String

Occupation will only contain one of the following values: **Doctor**, **Professor**, **Singer** or **Actor**.

Sample Input

Name	Occupation
Samantha	Doctor
Julia	Actor
Maria	Actor
Meera	Singer
Ashely	Professor
Ketty	Professor
Christeen	Professor
Jane	Actor
Jenny	Doctor
Priya	Singer

Sample Output

```
Jenny Ashley Meera Jane
Samantha Christeen Priya Julia
NULL Ketty NULL Maria
```

Explanation

The first column is an alphabetically ordered list of Doctor names.

The second column is an alphabetically ordered list of Professor names.

The third column is an alphabetically ordered list of Singer names.

The fourth column is an alphabetically ordered list of Actor names.

The empty cell data for columns with less than the maximum number of names per occupation (in this case, the Professor and Actor columns) are filled with **NULL** values.

MS SQL Server



```
2 /*
3 Enter your query here.
4 Please append a semicolon ";" at the end of the query and enter your query in a single line to
5 avoid error.
6 */
7 SELECT
8   [Doctor], [Professor], [Singer], [Actor]
9 FROM
10  (
11   select RANK() OVER
12     (PARTITION BY
13      occupation
14     ORDER BY name ) AS Rank,      name,occupation
15 from OCCUPATIONS
16 ) AS SourceTable
17 PIVOT
18 (
19   max(name)
20   FOR occupation IN ([Doctor], [Professor], [Singer], [Actor])
21 ) AS PivotTable;
22
23
24
25
```

Line: 13 Col: 9

Upload Code as File

Run Code

Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Your Output (stdout)

```
1 Aamina Ashley Christeen Eve
2 Julia Belvet Jane Jennifer
3 Priya Britney Jenny Ketty
4 NULL Maria Kristeen Samantha
```

5 | **NULL Meera NULL NULL**
6 | **NULL Naomi NULL NULL**
7 | **NULL Priyanka NULL NULL**

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