Occupations ☆

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Rank: 180359 | Points: 325/450

Your Occupations submission got 0.00 points. Try Again!

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.

Current Buffer (saved locally, editable) MS SQL Server

```
select rank,
    max(Case when occupation="Doctor" then Name else Null end) AS Doctor,
    max(Case when occupation="Professor" then Name else Null end)AS Professor,
    max(Case when occupation="Singer" then Name else Null end) AS Singer,
    max(Case when occupation="Actor" then Name else Null end) AS Actor
from (select *, ROW_NUMBER() Over (Partition By Occupation order by Name) as rank from Occupations) as g
group by g.rank

-- max is used to let null go to bottom


SELECT
rank,
MAX(CASE WHEN Occupation = 'Doctor' THEN Name ELSE NULL END) AS Doctor,
MAX(CASE WHEN Occupation = 'Professor' THEN Name ELSE NULL END) AS Professor,
MAX(CASE WHEN Occupation = 'Singer' THEN Name ELSE NULL END) AS Singer,
MAX(CASE WHEN Occupation = 'Actor' THEN Name ELSE NULL END) AS Actor
FROM (
  SELECT a.Occupation,
         a.Name,
         (SELECT COUNT(*)
            FROM Occupations AS b
            WHERE a.Occupation = b.Occupation AND a.Name > b.Name) AS rank
  FROM Occupations AS a
) AS c
GROUP BY c.rank;
```

Line: 11 Col: 1

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