



100 DAYS OF SQL

**Day 5 – Advanced Select - Pivots
(no common key to pivot)**

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Solved “**Occupations**” question on the HackerRank

Used: MySQL

Question link: <https://www.hackerrank.com/challenges/occupations/problem>

```
1
2 SELECT
3     MAX(CASE WHEN occupation = 'Doctor' THEN name else NULL END) AS Doctor,
4     MAX(CASE WHEN occupation = 'Professor' THEN name else NULL END) AS Professor,
5     MAX(CASE WHEN occupation = 'Singer' THEN name else NULL END) AS Singer,
6     MAX(CASE WHEN occupation = 'Actor' THEN name else NULL END) AS Actor
7 FROM (
8     SELECT *, ROW_NUMBER() OVER (PARTITION BY occupation ORDER BY name) AS occ_groups
9     FROM OCCUPATIONS
10 ) AS occ
11 group by occ_groups ORDER BY occ_groups;
12
13
14
```

This is the query I wrote in HackerRank website

Sample input table - Occupations

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

Output of testcase in Hackerrank

✔ Test case 0

Input (stdin)

1

INPUT

Expected Output

Doctor Professor Singer Actor

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

Sample output

Doctor	Professor	Singer	Actor
Jenny	Ashley	Meera	Jane
Samantha	Christeen	Priya	Julia
NULL	Ketty	NULL	Maria