

Problem Statement: Find the output from the input table as shown in the figure below.

create table entries (

name varchar(20),

address varchar(20),

email varchar(20),

floor int,

resources varchar(10));

insert into entries

values ('A','Bangalore','A@gmail.com',1,'CPU'),('A','Bangalore','A1@gmail.com',1,'CPU'),

('A','Bangalore','A2@gmail.com',2,'DESKTOP')

,('B','Bangalore','B@gmail.com',2,'DESKTOP'),('B','Bangalore','B1@gmail.com',2,'DESKTOP'),

('B','Bangalore','B2@gmail.com',1,'MONITOR');

| INPUT | | | | | OUTPUT | | | |
|-------|-----------|--------------|-------|-----------|--------|--------------|--------------------|-----------------|
| name | address | email | floor | resources | name | total_visits | most_visited_floor | resources_used |
| A | Bangalore | A@gmail.com | 1 | CPU | A | 3 | 1 | CPU,DESKTOP |
| A | Bangalore | A1@gmail.com | 1 | CPU | B | 3 | 2 | DESKTOP,MONITOR |
| A | Bangalore | A2@gmail.com | 2 | DESKTOP | | | | |
| B | Bangalore | B@gmail.com | 2 | DESKTOP | | | | |
| B | Bangalore | B1@gmail.com | 2 | DESKTOP | | | | |
| B | Bangalore | B2@gmail.com | 1 | MONITOR | | | | |

WITH CTE AS (

SELECT *,ROW_NUMBER() OVER(PARTITION BY FLOOR ORDER BY NAME) AS

ROWNUMBER FROM ENTRIES

),

CTE2 AS(

SELECT NAME,COUNT(*) AS TOTAL_VISITS,MIN(ROWNUMBER) AS

MOST_VISIT_FLOOR,STRING_AGG(DISTINCT RESOURCES, ',') AS USED_RESOURCES

FROM CTE

GROUP BY 1

)

SELECT * FROM CTE2