

## Learn with Ankit Bansal



**100 Coding Problems**



**Akash Mahindrakar**

**Data Engineer**

**akashsjce8050@gmail.com**

**100 DAY CODING PROBLEMS**

### Step - 1 : Problem Statement

 **Problem Statement:**

#### 13 - BEST EMPLOYEE AWARD

TCS wants to award employees based on number of projects completed by each individual each month. Write an SQL to find best employee for each month along with number of projects completed by him/her in that month, display the output in descending order of number of completed projects.

 **Difficult Level : MEDIUM**

## NAMASTE SQL - DAY 22

### Step - 2 : Identifying The Input Data And Expected

#### INPUT

ORDER_ID	CUSTOMER_ID	RESTAURANT_ID	DELIVERY_TIME	TOTAL_COST
1	101	201	30	2550
2	102	202	40	3000
3	101	203	25	1575
4	103	201	50	2200
5	104	202	45	1850
6	105	204	35	2725
7	106	203	20	1600
8	107	202	55	1975
9	108	201	60	2000
10	109	204	25	2400

#### OUTPUT

EMPLOYEE_NAME	NO_OF_COMPLETED_PROJECTS	YEARMONTH
Shilpa	3	202301
Mukesh	2	202302
Ankit	1	202212

### Step - 3 : Writing the sql query to solve the

```
WITH CTE
AS (
    SELECT employee_name
           ,count(project_id) AS no_of_completed_projects
           ,to_char(project_completion_date, '%Y%m') AS yearmonth
    FROM projects
    GROUP BY employee_name
           ,to_char(project_completion_date, '%Y%m')
    ORDER BY no_of_completed_projects
)
SELECT *
FROM CTE qualify rank() OVER (
    PARTITION BY yearmonth ORDER BY NO_OF_COMPLETED_PROJECTS DESC
) = 1
ORDER BY NO_OF_COMPLETED_PROJECTS DESC
```



Save

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