

# SQL TIPS AND TRICKS

PART 14

## Interview Question- RANK(), DENSE\_RANK(), ROW\_NUMBER()

MAYURI DANDEKAR

```

3  -- rank the emp according to their highest salary
4  • SELECT emp_id, emp_name, department_id, salary,
5     RANK() OVER(ORDER BY salary desc) as salary_rank,
6     DENSE_RANK() OVER(ORDER BY salary desc) as salary_denserank,
7     ROW_NUMBER() OVER(ORDER BY salary desc) as salary_rowno
8  FROM emp;

```

<div> <div>&lt;</div> <div>Result Grid</div> <div> <div></div> <div></div> </div> <div>Filter Rows: <input type="text"/></div> <div> <div>Export:</div> <div></div> </div> <div>Wrap Cell Content: <a href="#">⌕</a></div> </div>							
	emp_id	emp_name	department_id	salary	salary_rank	salary_denserank	salary_rowno
▶	4	rohit	200	30000	1	1	1
	3	vikas	100	22000	2	2	2
	2	mohit	100	16500	3	3	3
	9	vikas	300	15000	4	4	4
	6	agam	200	14400	5	5	5
	7	anam	200	14400	5	5	6
	5	mohit	200	12000	7	6	7
	1	Ankit	100	11000	8	7	8
	8	ashish	200	6000	9	8	9

```

10  -- rank the emp by department id
11 •  SELECT emp_id, emp_name, department_id, salary,
12      RANK() OVER(PARTITION BY department_id ORDER BY salary desc) as salary_rank,
13      DENSE_RANK() OVER(PARTITION BY department_id ORDER BY salary desc) as salary_denserank,
14      ROW_NUMBER() OVER(PARTITION BY department_id ORDER BY salary desc) as salary_rowno
15  FROM emp;

```

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Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	emp_id	emp_name	department_id	salary	salary_rank	salary_denserank	salary_rowno
▶	3	vikas	100	22000	1	1	1
	2	mohit	100	16500	2	2	2
	1	Ankit	100	11000	3	3	3
	4	rohit	200	30000	1	1	1
	6	agam	200	14400	2	2	2
	7	anam	200	14400	2	2	3
	5	mohit	200	12000	4	3	4
	8	ashish	200	6000	5	4	5
	9	vikas	300	15000	1	1	1

```
16  -- find employee having highest salary department wise
17  • SELECT * FROM (
18      SELECT emp_id, emp_name, department_id, salary,
19      RANK() OVER(PARTITION BY department_id ORDER BY salary desc) as salary_rank
20      FROM emp
21  ) a
22  WHERE salary_rank = 1;
```

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Result Grid



Filter Rows:

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	emp_id	emp_name	department_id	salary	salary_rank
▶	3	vikas	100	22000	1
	4	rohit	200	30000	1
	9	vikas	300	15000	1



# THANK YOU

MAYURI DANDEKAR