

# Department Top Three Salaries

Find top 3 paid employee of each department

Data to create table

## 1. Creating table merge Employee and Department

Creating SELECT statement

```
SELECT
    e.id, e.name, e.salary, e.departmentId, d.name
FROM
    employee AS e
    LEFT JOIN
    department AS d ON e.departmentId = d.id;
```

Creating new table

```
CREATE TABLE top3salaries AS SELECT
    e.id, e.name, e.salary, e.departmentId, d.name as department_name
FROM
    employee AS e
    LEFT JOIN
    department AS d ON e.departmentId = d.id;
```

	id	name	salary	departmentId	department_name
▶	1	Joe	85000	1	IT
	2	Henry	80000	2	Sales
	3	Sam	60000	2	Sales
	4	Max	90000	1	IT
	5	Janet	69000	1	IT
	6	Randy	85000	1	IT
	7	Will	70000	1	IT

## 2. Ranking rows by salary

```
SELECT
    *,dense_rank() OVER(partition by departmentId ORDER BY salary desc) as ranking
FROM
    top3salaries;
```

### 3. Returning top 3

```
with top3 as (SELECT
    *,dense_rank() OVER(partition by departmentId ORDER BY salary desc) as ranking
FROM
    top3salaries)
Select * from top3 where ranking<4;
```

	id	name	salary	departmentId	department_name	ranking
▶	4	Max	90000	1	IT	1
	1	Joe	85000	1	IT	2
	6	Randy	85000	1	IT	2
	7	Will	70000	1	IT	3
	2	Henry	80000	2	Sales	1
	3	Sam	60000	2	Sales	2