

rank() Problems: University DB

1. O/P top salaried instructors along with their rank.
2. O/P top salaried instructors along with their rank and department.
3. Students along with their credits ordered by their rank.
4. Department along with the number of instructors teaching there, order the output by rank.
5. Avg salaries of departments ordered by their rank where avg salary of a department is greater than 100000.

1

```

20 • select name, salary,
21   rank() over (
22     order by salary desc) as TopSalariedIns
23   from instructor;

```

	name	salary	TopSalariedIns
▶	Wieland	124651.41	1
	Voronina	121141.99	2
	Mird	119921.41	3

3

```

27 • select name, tot_credit,
28   rank() over(
29     order by tot_credit desc) as TopCreditedStudents
30   from student;

```

	name	tot_credit	TopCreditedStudents
▶	Rzecz	129	1
	Gibbs	129	1
	Kieras	128	3

4

```

36 • select dept_name, count(ID) as No_Of_Instructors,
37   rank() over (
38     order by count(ID) desc) as Ranking
39   from instructor
40   group by dept_name;

```

	dept_name	No_Of_Instructors	Ranking
▶	Statistics	6	1
	Athletics	5	2
	Accounting	4	3

```
47 • select dept_name, avg(salary) as Avg_Salary,  
48   rank() over (  
49     order by avg(salary) desc) as Ranking  
50   from instructor  
51   group by dept_name  
52   having avg(salary) > 100000;
```

The screenshot shows a database query results window with the following details:

- Result Grid:** The results are presented in a grid format.
- Columns:** The columns are labeled "dept_name", "Avg_Salary", and "Ranking".
- Data Rows:** There are three rows of data:
 - Physics: Avg_Salary 114576.900000, Ranking 1
 - Finance: Avg_Salary 105311.380000, Ranking 2
 - Pol. Sci.: Avg_Salary 100053.073333, Ranking 3
- UI Elements:** The window includes standard UI elements like "Result Grid", "Filter Rows:", "Export:", and "Wrap Cell Content:".

	dept_name	Avg_Salary	Ranking
▶	Physics	114576.900000	1
	Finance	105311.380000	2
	Pol. Sci.	100053.073333	3