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;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

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;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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

5

```
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;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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