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CS 430

Anspach

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<p style="text-align:center">Lab 3 - Question 8 Report</p>

<u>What is the difference between the first and second query? Why?</u>

The first query pulls data from the dept_emp table, which contains all of an employee's department assignments throughout their time at the company. This means it includes both current and past departments. So, if an employee has switched departments at any point, they will appear multiple times in the results, once for each department they were assigned to.

The second query uses the current_dept_emp view instead, which is specifically designed to show only the most recent or current department assignment for each employee. As a result, each employee appears only once in the output. The difference matters because the first query gives you historical data, while the second focuses only on current assignments.

<u>What is the difference between the second and third query? Why?</u>

The second and third queries are almost identical, they both use the current_dept_emp view to show only the employee's current department. The only difference is that the third query includes an ORDER BY e.emp_no clause at the end. This sorts the results by employee number in ascending order, making the output easier to read and more organized. Without the ORDER BY, the order of the rows in the second query depends on how the database happens to return them, which might look random. So the third query is just a more neatly presented version of the second one.