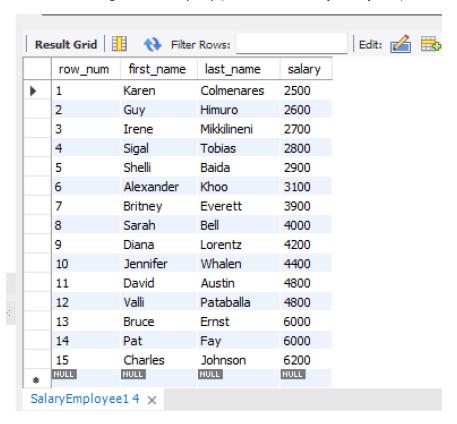
Homework 1.3: SQL Advanced window functions

(In groups of three, only one submission is required, but it should include all members' individual contributions)

Using the dataset provided below, write the SQL queries, and screenshot the output for each of the window features given in the query (Assume: Order by Salary ASC).



- 1. Write a query to compute for the **FIRST_VALUE()** given the above dataset and return the value along with the entire row.
- 2. Write a query to compute for the LAST_VALUE() and return the value along with the entire row.
- 3. Write a query to compute for **LEAD(2)** for Guy and return the value along with the Guy's row.
- 4. Write a query to compute for LAG(4) for Pat and return value along with Pat's row.
- 5. Write a query to compute the **RANK()** and **DENSE_RANK()** and return the entire dataset, including the rank and dense rank for each employee.
- 6. Write a query to compute the **RANK()** and **DENSE_RANK()** but only return Valli's and Bruce's rank and dense rank.
- 7. Write a query to compute the **ROW_NUMBER()** for Irene and Sarah and only return the rows corresponding to them.
- 8. Write a query to compute the **PERCENT_RANK()** and return the entire dataset, including the percent rank for each employee. Format your PERCENT_RANK() values to 100%.
- 9. Write a query to compute the **CUME_DIST()** and return the entire dataset, including the percentage rank for each employee. Format your CUME_DIST() values to 2 decimal places.

10. Write a query to compute the **NTILE(4)** and return the entire dataset showing approximately equal groups/buckets.

Submission requirements:

- o the query statements.
- o the SQL commands.
- o query result/output (screenshots).
- o Submit as a single PDF file via the submission link on the Blackboard.

Deadline: 9th July 2023 Time: 23h59 (Chicago Time).

END