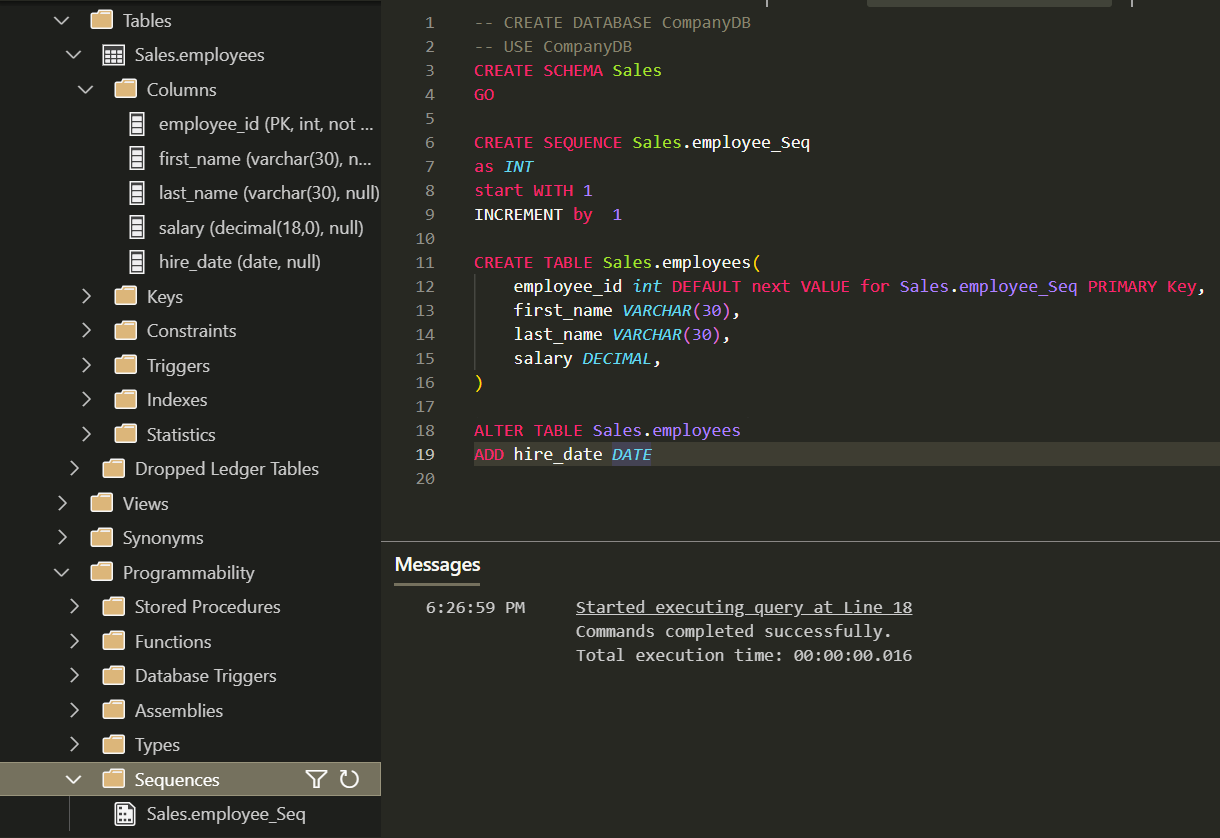
**TO START:**

* Create a new database named "CompanyDB."
* Create a schema named "Sales" within the "CompanyDB" database.
* Create a table named "employees" with columns: employee\_id (INT), first\_name (VARCHAR), last\_name (VARCHAR), and salary (DECIMAL) within the "Sales" schema.

Note: on employee\_id use squence **NOT** identity.

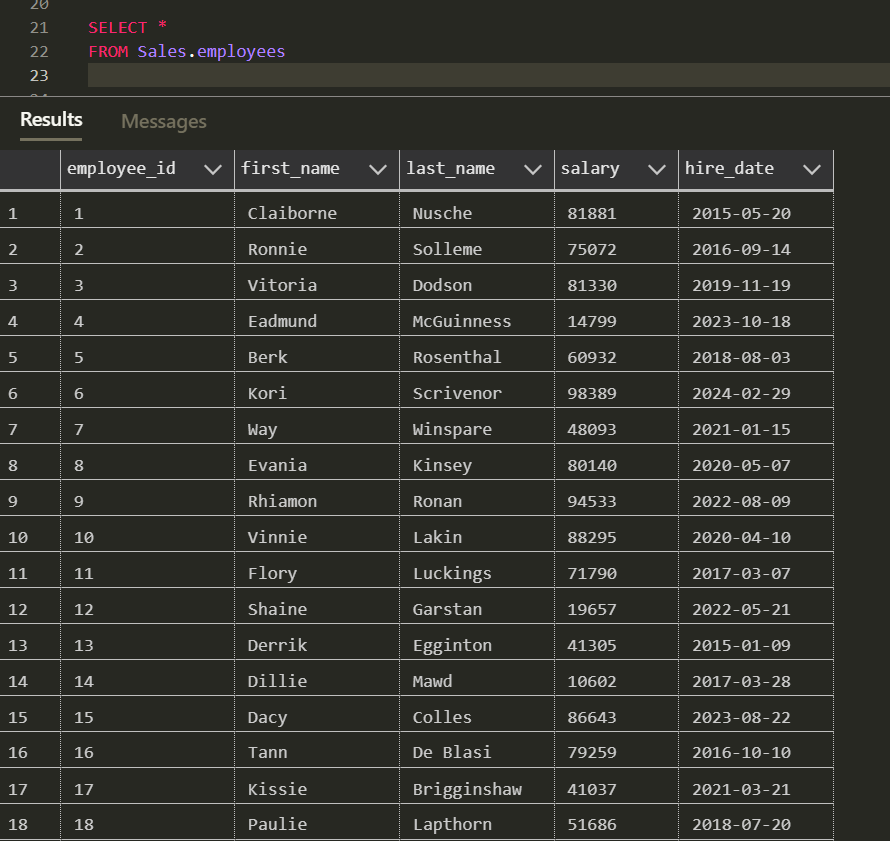
* Alter the "employees" table to add a new column named "hire\_date" with the data type DATE.



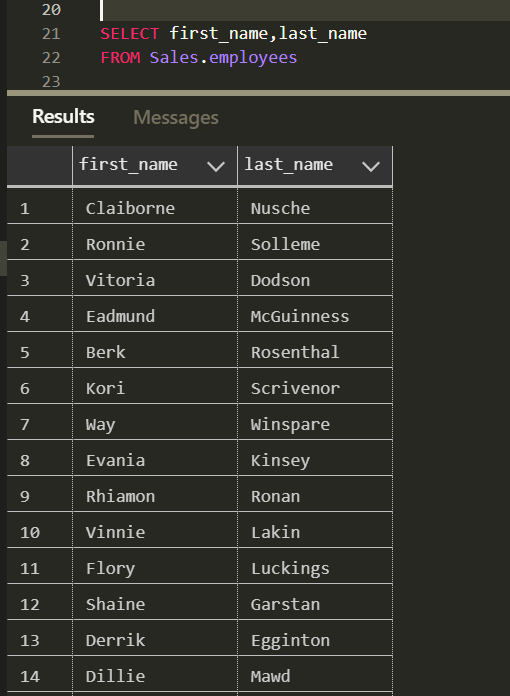
* **If you want** to Add mock data test use [https://www.mockaroo.com](https://www.mockaroo.com/)
* **DONE**

**DATA MANIPULATION Exercises:**

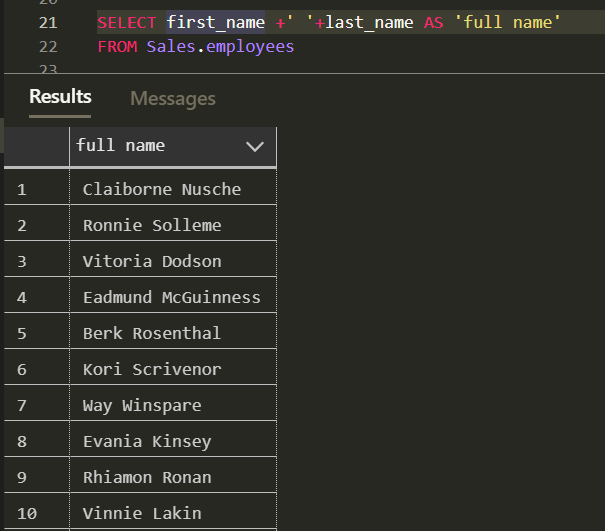
* Select all columns from the "employees" table.



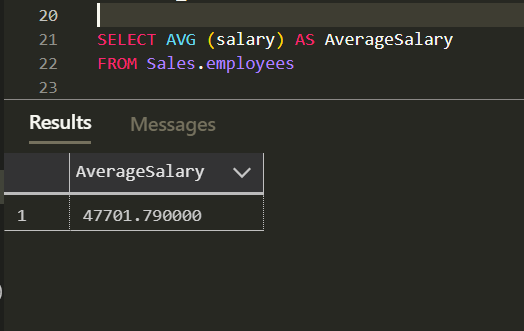
* Retrieve only the "first\_name" and "last\_name" columns from the "employees" table.



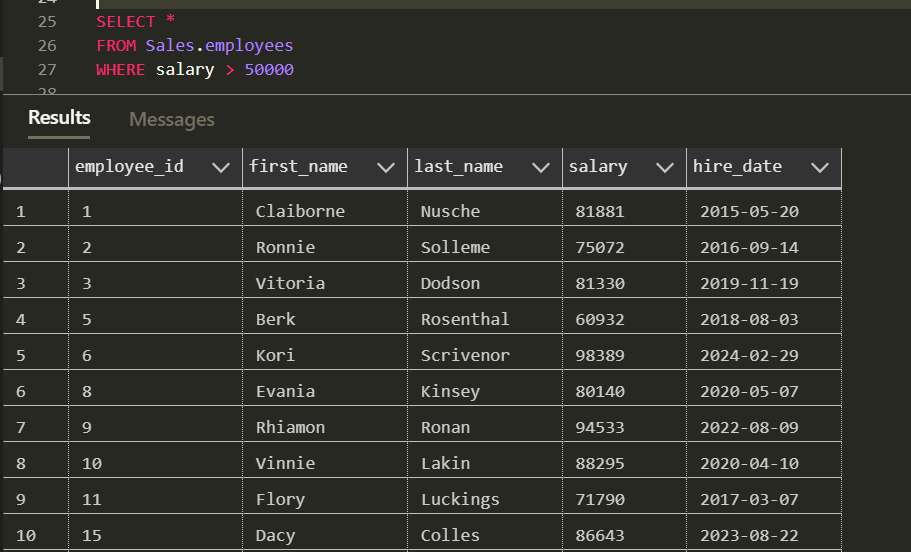
* Retrieve “full name” as a one column from "first\_name" and "last\_name" columns from the "employees" table.



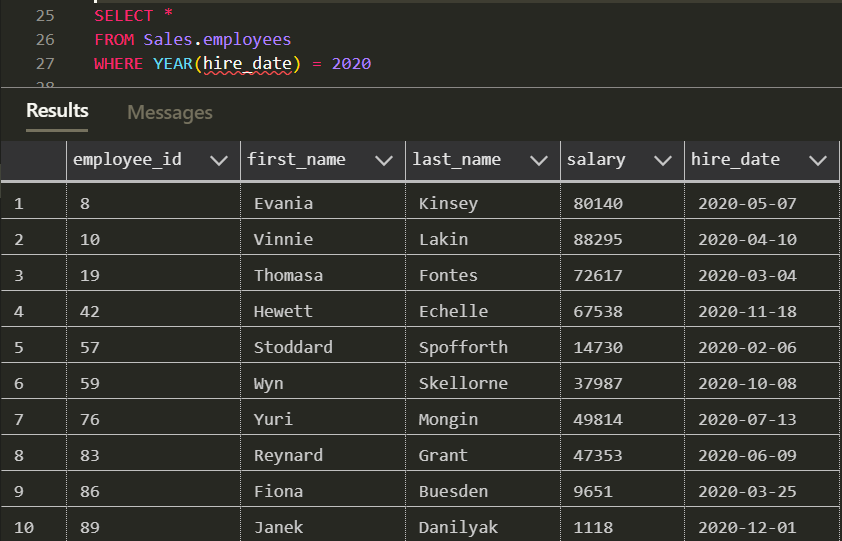
* Show the average salary of all employees.



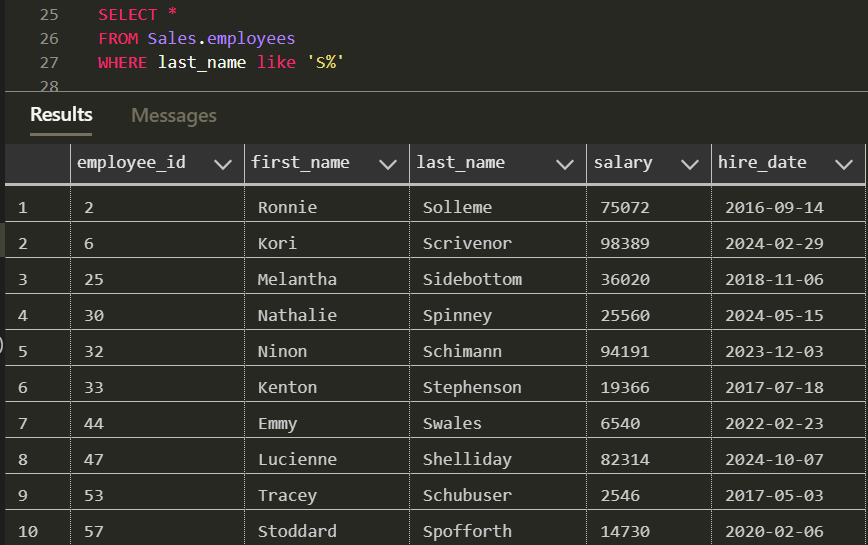
* Select employees whose salary is greater than 50000.



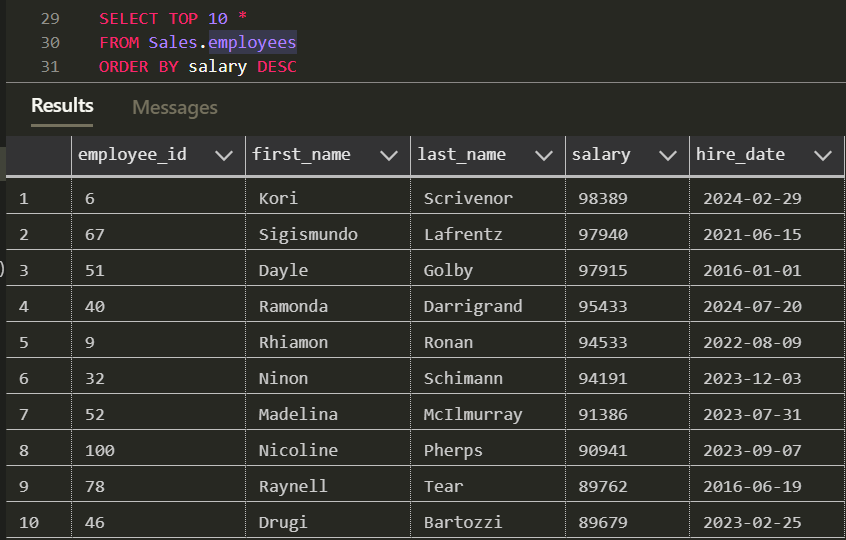
* Retrieve employees hired in the year 2020.



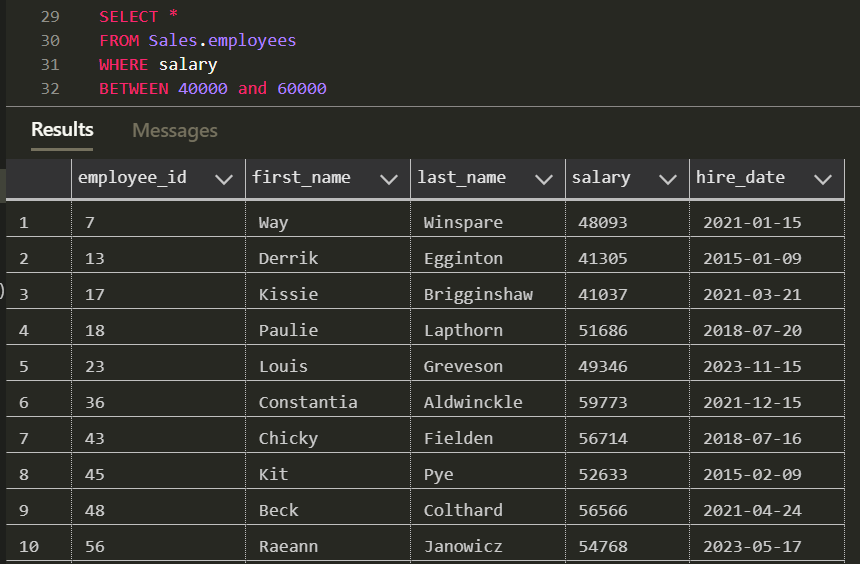
* List employees whose last names start with 'S.'



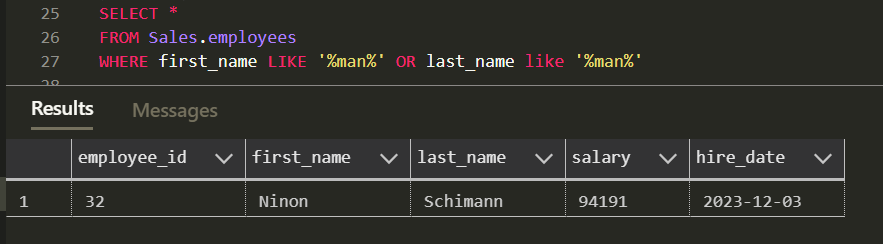
* Display the top 10 highest-paid employees.



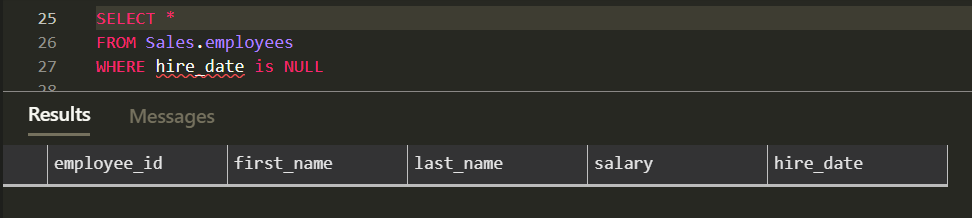
* Find employees with salaries between 40000 and 60000.



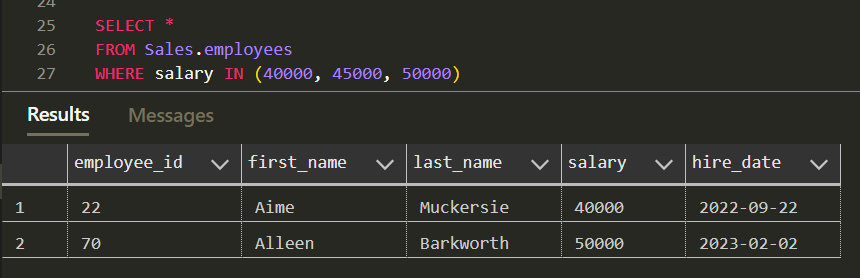
* Show employees with names containing the substring 'man.'



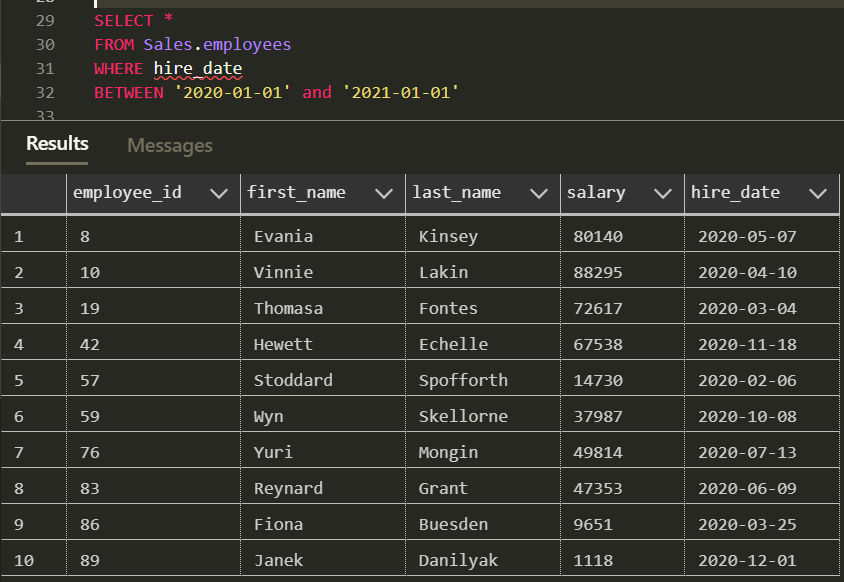
* Display employees with a NULL value in the "hire\_date" column.



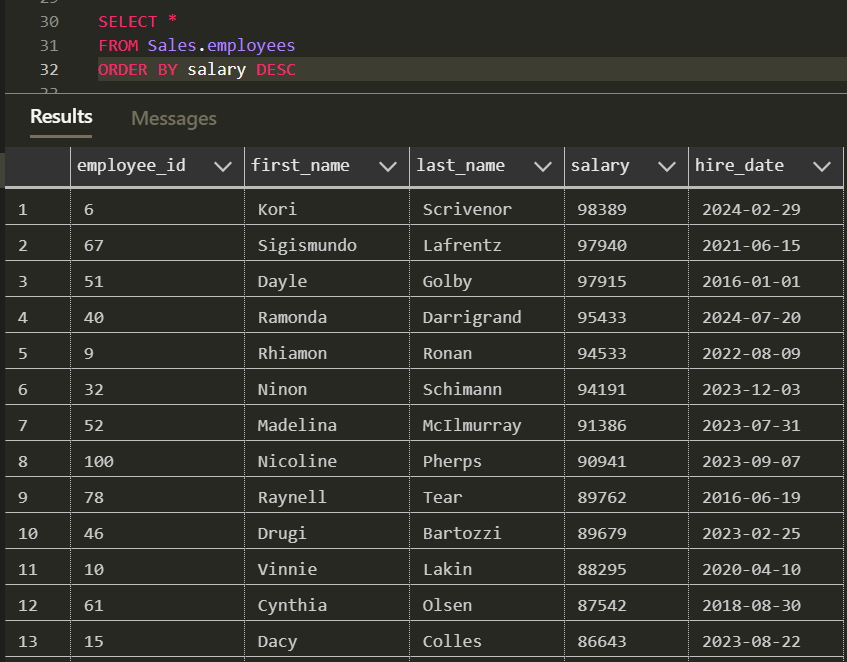
* Select employees with a salary in the set (40000, 45000, 50000).

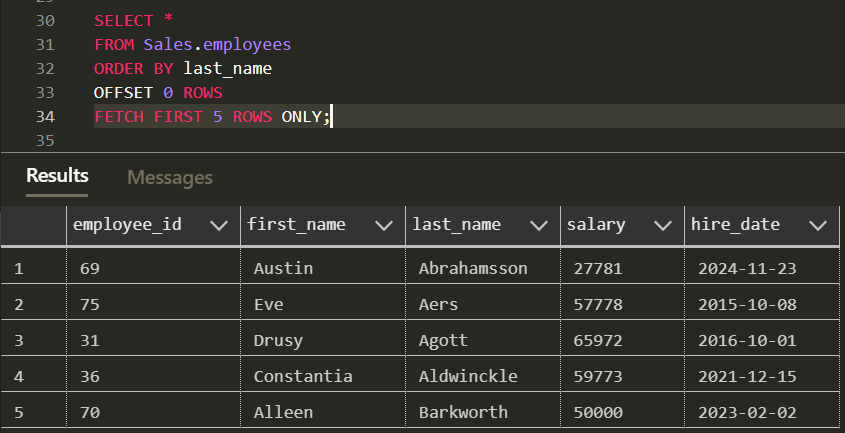
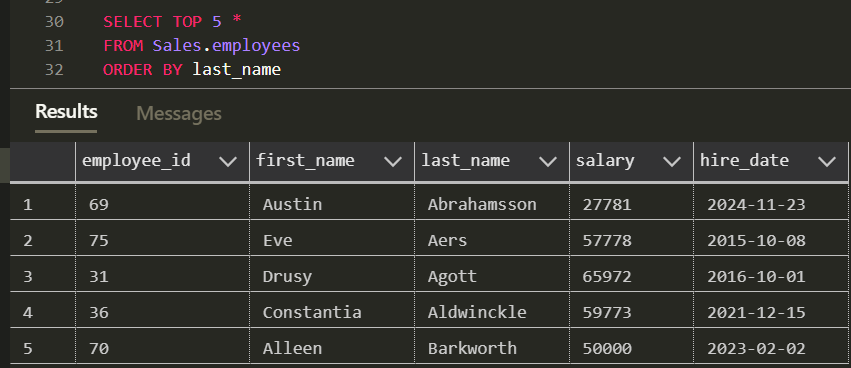


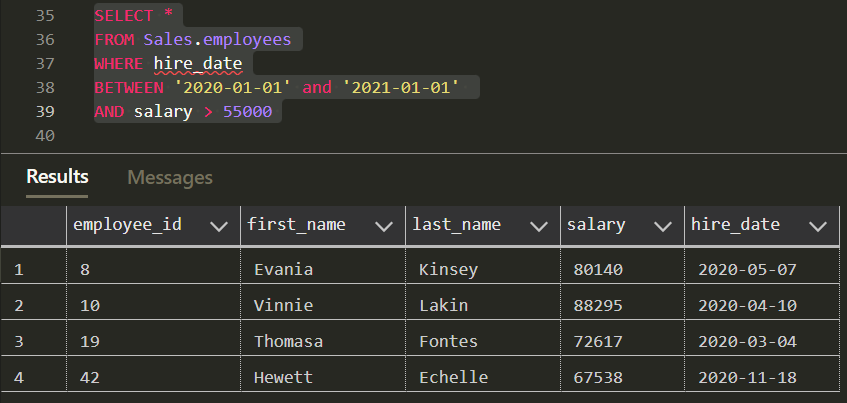
* Retrieve employees hired between '2020-01-01' and '2021-01-01.'



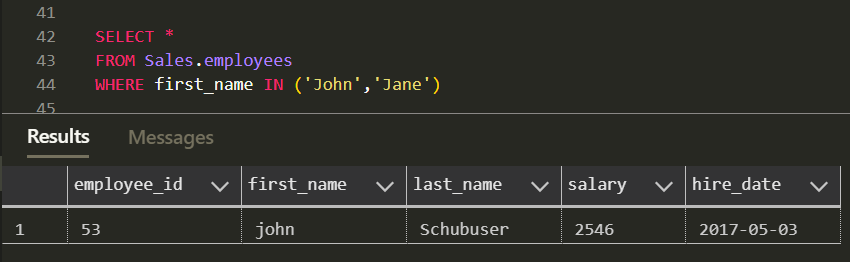
* List employees with salaries in descending order.



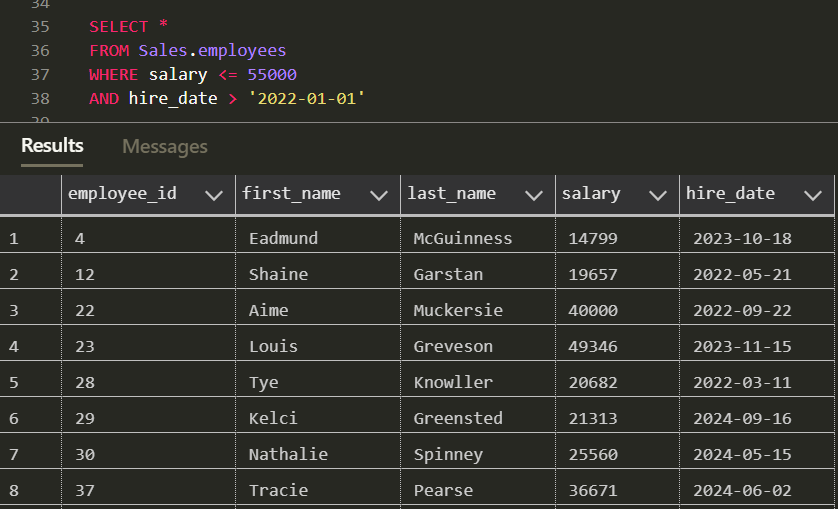
* Show the first 5 employees ordered by "last\_name" in ascending order.  
* Display employees with a salary greater than 55000 and hired in 2020.



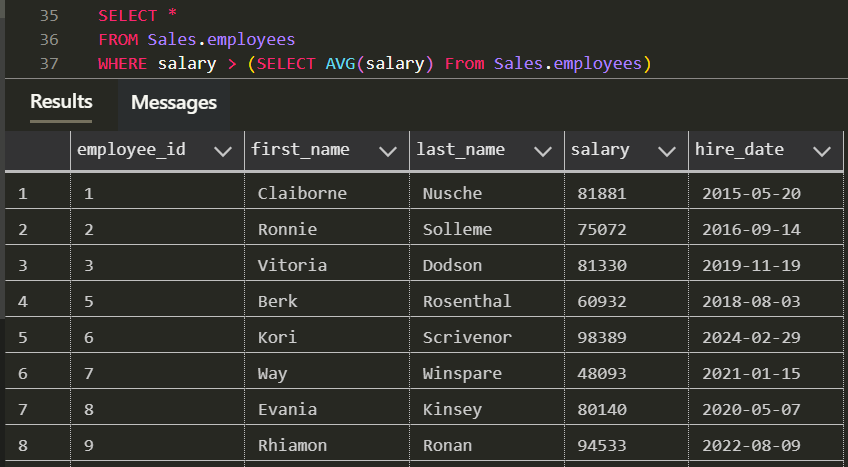
* Select employees whose first name is 'John' or 'Jane.'



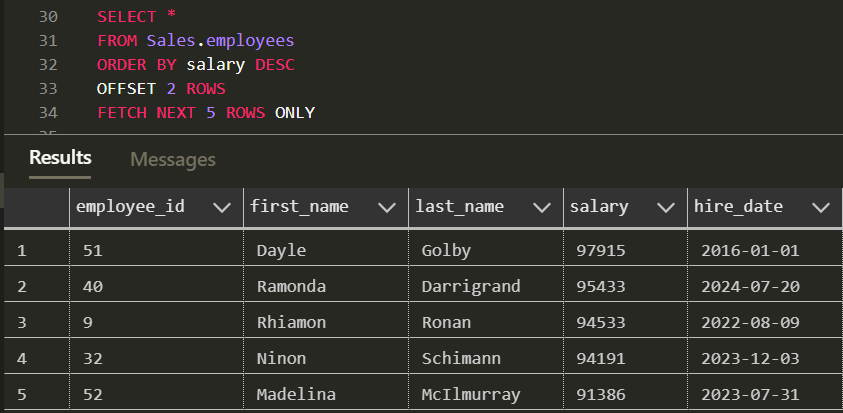
* List employees with a salary less than or equal to 55000 and a hire date after '2022-01-01.'



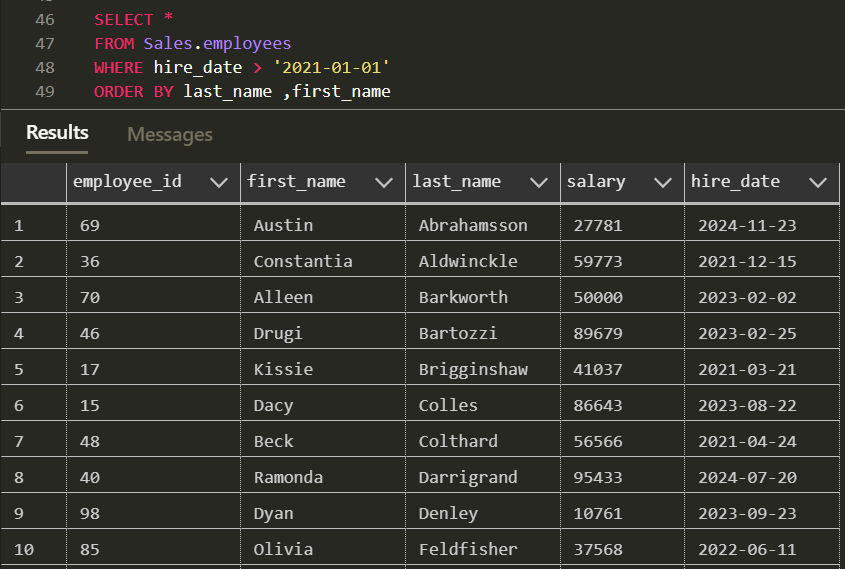
* Retrieve employees with a salary greater than the average salary.



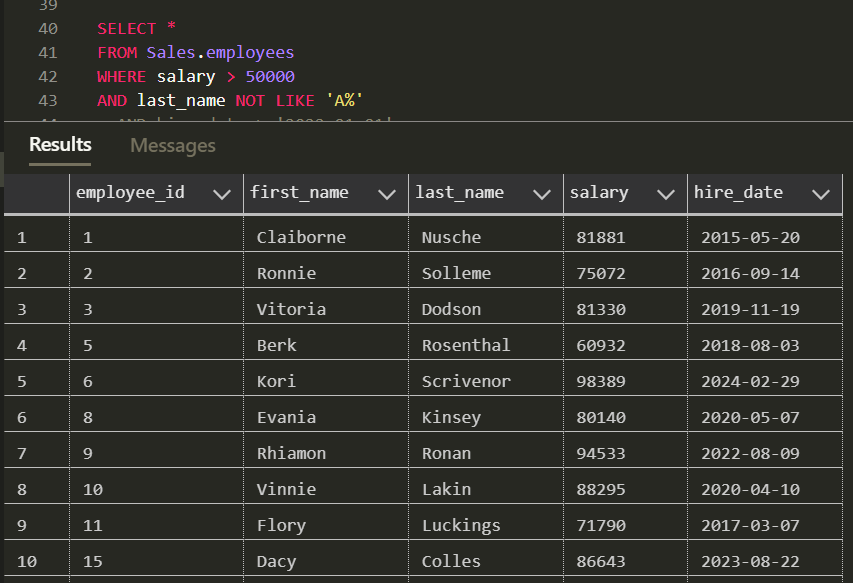
* Display the 3rd to 7th highest-paid employees.



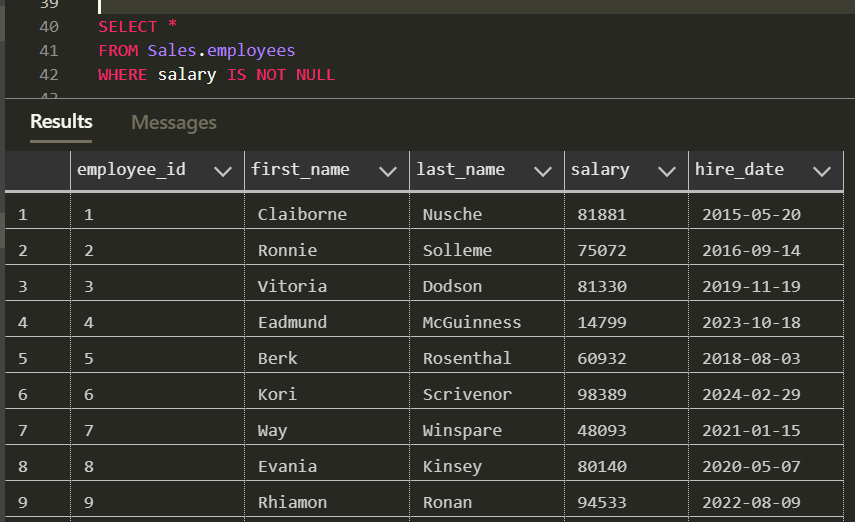
* List employees hired after '2021-01-01' in alphabetical order.



* Retrieve employees with a salary greater than 50000 and last name not starting with 'A.'



* Display employees with a salary that is not NULL.



* Show employees with names containing 'e' or 'i' and a salary greater than 45000.

