**--1. List the following details of each employee: employee number, last name, first name, gender, and salary.**

SELECT employees.emp\_no, employees.last\_name, employees.first\_name, employees.gender, salaries.salary

FROM employees, salaries

WHERE salaries.emp\_no = employees.emp\_no;

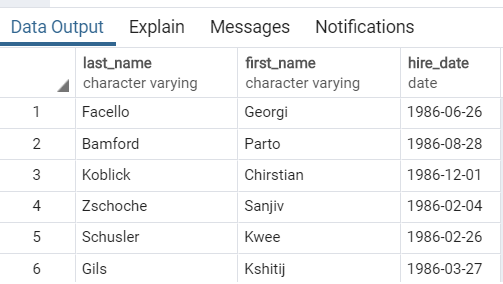


**-- 2. List employees who were hired in 1986.**

SELECT employees.last\_name, employees.first\_name, employees.hire\_date

FROM employees

WHERE hire\_date between '1985-12-31' and '1987-01-01';



-- 3. List the manager of each department with the following information:

-- department number, department name, the manager's employee number,

-- last name, first name, and start and end employment dates.

SELECT dept\_manager.dept\_no, departments.dept\_name,

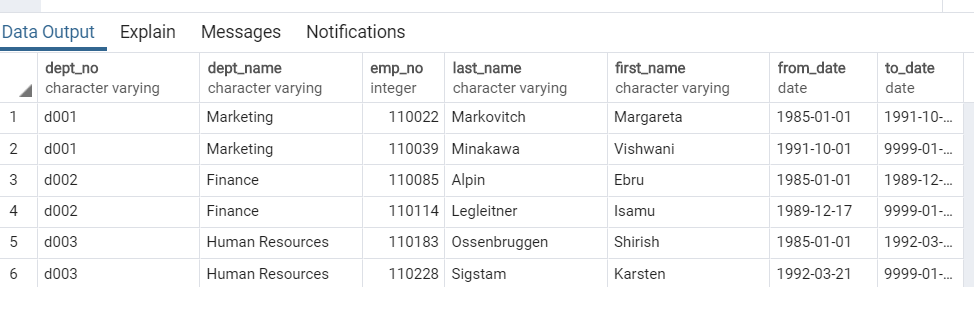
dept\_manager.emp\_no, employees.last\_name, employees.first\_name,

dept\_manager.from\_date,dept\_manager.to\_date

FROM dept\_manager, departments, employees

WHERE dept\_manager.dept\_no = departments.dept\_no AND

dept\_manager.emp\_no = employees.emp\_no;



-- 4. List the department of each employee with the following information:

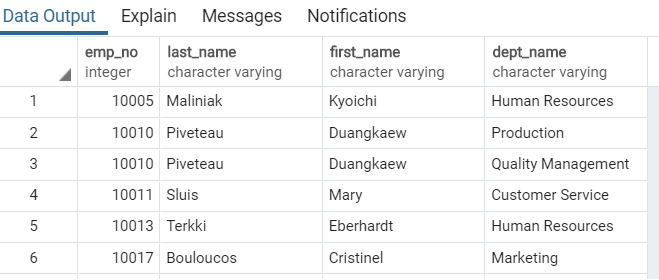
-- employee number, last name, first name, and department name.

Select dept\_emp.emp\_no, employees.last\_name, employees.first\_name, departments.dept\_name

From dept\_emp

Left Join Employees ON dept\_emp.emp\_no = employees.emp\_no

Left Join departments ON dept\_emp.dept\_no = departments.dept\_no;

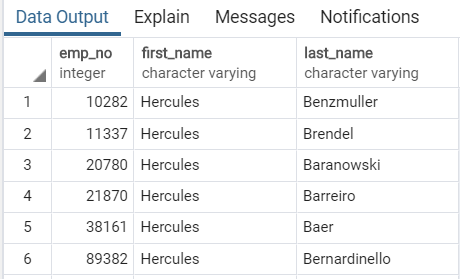


-- 5. List all employees whose first name is "Hercules" and last names begin with "B."

Select emp\_no, first\_name, last\_name

From employees

Where first\_name = 'Hercules' AND last\_name Like 'B%'



-- 6. List all employees in the Sales department, including their

-- employee number, last name, first name, and department name.

SELECT employees.emp\_no, departments.dept\_name, employees.last\_name, employees.first\_name

FROM departments, employees

Where dept\_name = 'Sales'



-- 7. List all employees in the Sales and Development departments,

-- including their employee number, last name, first name, and department name.

SELECT dept\_emp.emp\_no, employees.last\_name, employees.first\_name, departments.dept\_name

FROM dept\_emp

LEFT JOIN employees ON dept\_emp.emp\_no = employees.emp\_no

LEFT JOIN departments ON dept\_emp.dept\_no = departments.dept\_no

WHERE dept\_name = 'Sales' OR dept\_name = 'Development';



-- 8. In descending order, list the frequency count of

-- employee last names, i.e., how many employees share each last name.

SELECT last\_name, COUNT(\*)

FROM employees

GROUP BY last\_name

ORDER BY count(\*) DESC;

