**09 SQL HW – Employees Database – a Mystery in two Parts**

**Part 1**

SELECT emp\_no as id, emp\_no, last\_name, first\_name, sex, hire\_date

FROM employees

SELECT emp\_no as id, salary

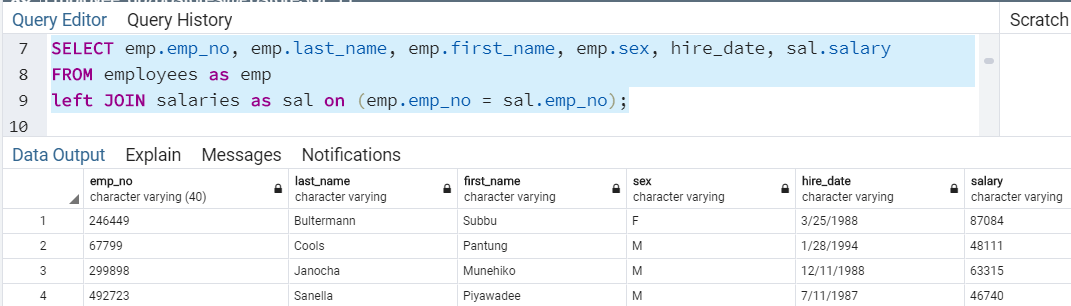
FROM salaries

1.

SELECT emp.emp\_no, emp.last\_name, emp.first\_name, emp.sex, hire\_date, sal.salary

FROM employees as emp

left JOIN salaries as sal on (emp.emp\_no = sal.emp\_no);



2.

SELECT emp\_no, last\_name, first\_name, hire\_date

FROM employees

WHERE hire\_date BETWEEN '1986/01/01' and '1986/12/31';

3.

SELECT emp\_no FROM dept\_manager

SELECT \* FROM departments

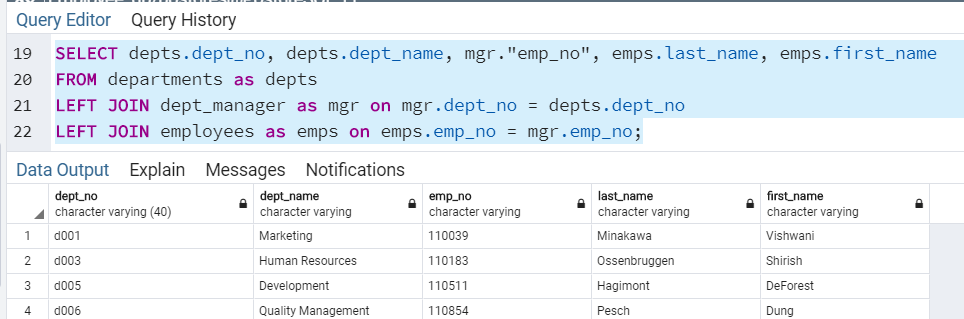
SELECT \* FROM employees

SELECT depts.dept\_no, depts.dept\_name, mgr."emp\_no", emps.last\_name, emps.first\_name

FROM departments as depts

LEFT JOIN dept\_manager as mgr on mgr.dept\_no = depts.dept\_no

LEFT JOIN employees as emps on emps.emp\_no = mgr.emp\_no;



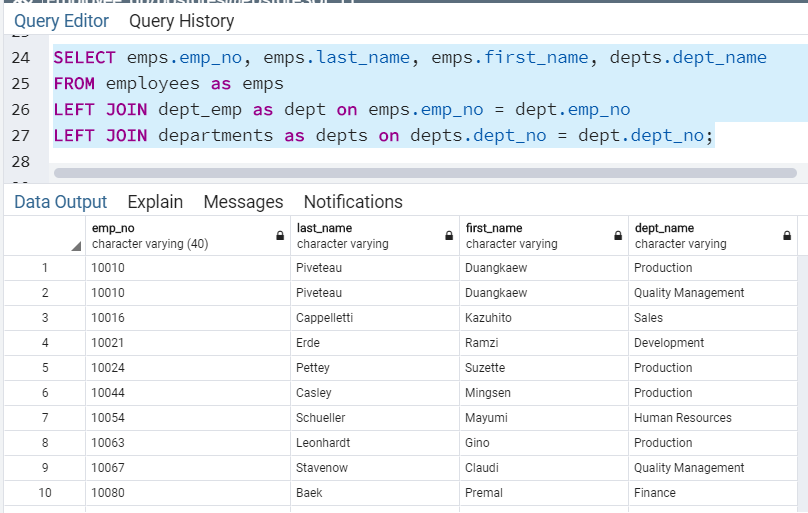
4.

SELECT emps.emp\_no, emps.last\_name, emps.first\_name, depts.dept\_name

FROM employees as emps

LEFT JOIN dept\_emp as dept on emps.emp\_no = dept.emp\_no

LEFT JOIN departments as depts on depts.dept\_no = dept.dept\_no;

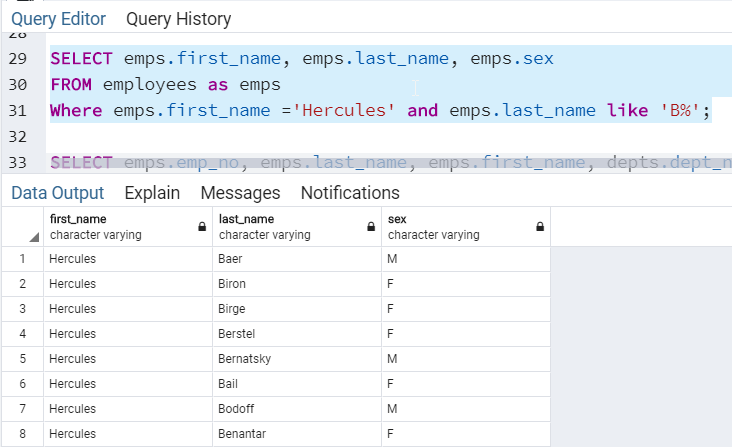


5.

SELECT emps.first\_name, emps.last\_name, emps.sex

FROM employees as emps

Where emps.first\_name ='Hercules' and emps.last\_name like 'B%';



6.

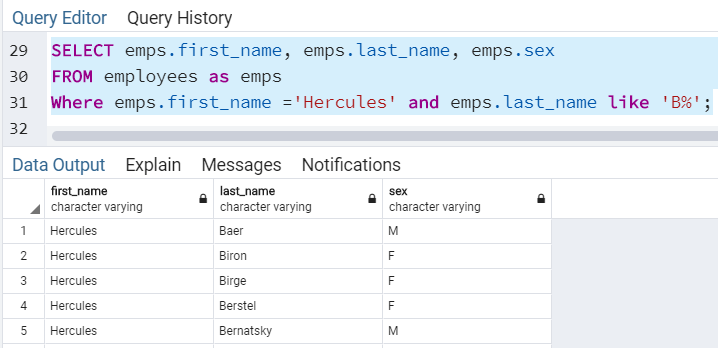
SELECT emps.emp\_no, emps.last\_name, emps.first\_name, depts.dept\_name

FROM employees as emps

LEFT JOIN dept\_emp as dept on emps.emp\_no = dept.emp\_no

LEFT JOIN departments as depts on depts.dept\_no = dept.dept\_no

WHERE depts.dept\_name = 'Sales'



7.

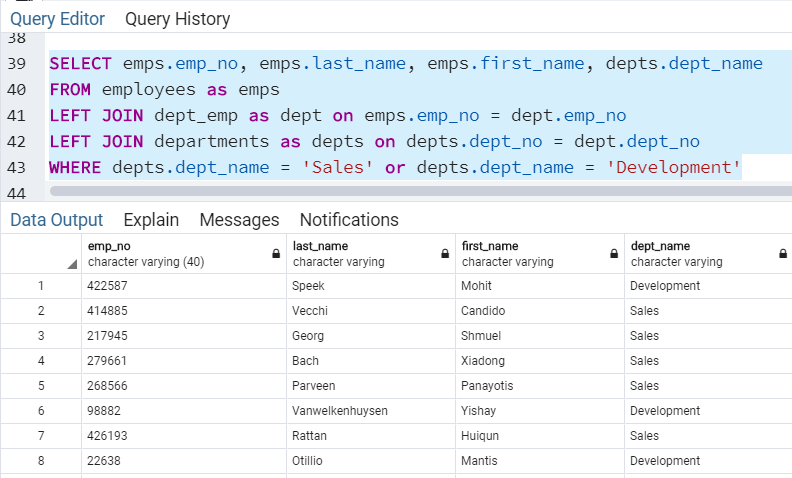
SELECT emps.emp\_no, emps.last\_name, emps.first\_name, depts.dept\_name

FROM employees as emps

LEFT JOIN dept\_emp as dept on emps.emp\_no = dept.emp\_no

LEFT JOIN departments as depts on depts.dept\_no = dept.dept\_no

WHERE depts.dept\_name = 'Sales' or depts.dept\_name = 'Development'



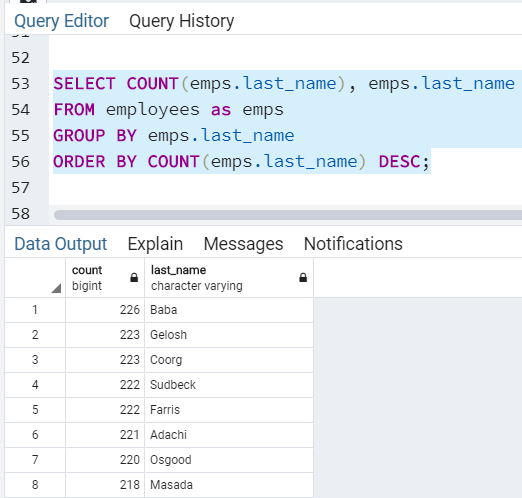
8.

SELECT COUNT(emps.last\_name), emps.last\_name

FROM employees as emps

GROUP BY emps.last\_name

ORDER BY COUNT(emps.last\_name) DESC;



SELECT emp\_no as id, emp\_no, last\_name, first\_name, sex, hire\_date

FROM employees

SELECT emp\_no as id, salary

FROM salaries

SELECT emp.emp\_no, emp.last\_name, emp.first\_name, emp.sex, hire\_date, sal.salary

FROM employees as emp

left JOIN salaries as sal on (emp.emp\_no = sal.emp\_no);

SELECT emp\_no, last\_name, first\_name, hire\_date

FROM employees

WHERE hire\_date BETWEEN '1986/01/0 and 1986/12/31';

SELECT emp\_no FROM dept\_manager

SELECT \* FROM departments

SELECT \* FROM employees

SELECT depts.dept\_no, depts.dept\_name, mgr."emp\_no", emps.last\_name, emps.first\_name

FROM departments as depts

LEFT JOIN dept\_manager as mgr on mgr.dept\_no = depts.dept\_no

LEFT JOIN employees as emps on emps.emp\_no = mgr.emp\_no;

SELECT emps.emp\_no, emps.last\_name, emps.first\_name, depts.dept\_name

FROM employees as emps

LEFT JOIN dept\_emp as dept on emps.emp\_no = dept.emp\_no

LEFT JOIN departments as depts on depts.dept\_no = dept.dept\_no;

SELECT emps.first\_name, emps.last\_name, emps.sex

FROM employees as emps

Where emps.first\_name ='Hercules' and emps.last\_name like 'B%';

SELECT emps.emp\_no, emps.last\_name, emps.first\_name, depts.dept\_name

FROM employees as emps

LEFT JOIN dept\_emp as dept on emps.emp\_no = dept.emp\_no

LEFT JOIN departments as depts on depts.dept\_no = dept.dept\_no

WHERE depts.dept\_name = 'Sales'

SELECT emps.emp\_no, emps.last\_name, emps.first\_name, depts.dept\_name

FROM employees as emps

LEFT JOIN dept\_emp as dept on emps.emp\_no = dept.emp\_no

LEFT JOIN departments as depts on depts.dept\_no = dept.dept\_no

WHERE depts.dept\_name = 'Sales' or depts.dept\_name = 'Development'

SELECT COUNT(emps.last\_name), emps.last\_name

FROM employees as emps

GROUP BY emps.last\_name

ORDER BY COUNT(emps.last\_name) DESC;