Below are the results from the queries I produced from the employees database.

-- List the employee number, last name, first name, sex, and salary of each employee

Select e.emp_no, e.first_name, e.last_name, e.sex, s.salary

from employees as e

join salaries as s

on (e.emp_no = s.emp_no);

13616

21529

240129 Roddy

Perry

Bojan

```
Query Query History
     -- List the employee number, last name, first name, sex, and salary of each emp
2
3 v Select e.emp_no, e.first_name, e.last_name, e.sex, s.salary
     from employees as e
4
     join salaries as s
5
     on (e.emp_no = s.emp_no);
7
Data Output Messages Notifications
=+
                                       SQL
                  first_name
                                        last_name
                                                                                  salary
       emp_no
                                                                                  double precision
                  character varying (150)
                                        character varying (200)
                                                              character varying (5)
       integer
1
          477657
                                        Magliocco
                                                                                            54816
                  Lihong
2
           29920
                  Shuichi
                                        Tyugu
                                                                                            40000
```

F

Μ

Μ

40000

40000

43548

-- List the first name, last name, and hire date for the employees who were hired in 1986

Lorho

Zallocco

Karnin

Select e.first_name, e.last_name, e.hire_date

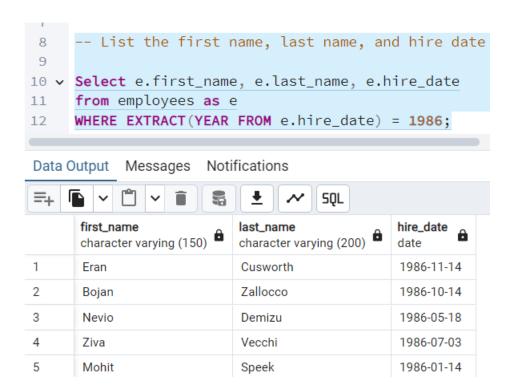
from employees as e

3

4

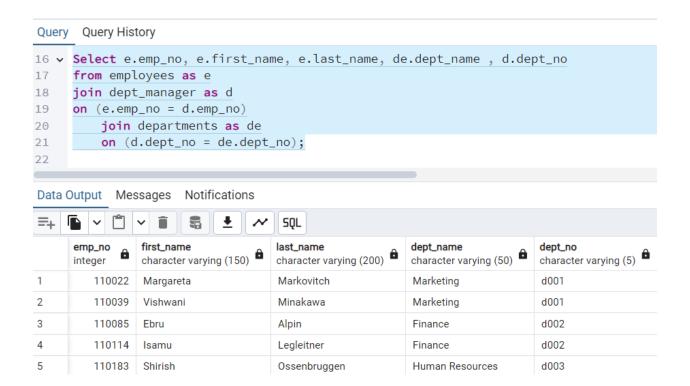
5

WHERE EXTRACT(YEAR FROM e.hire_date) = 1986;



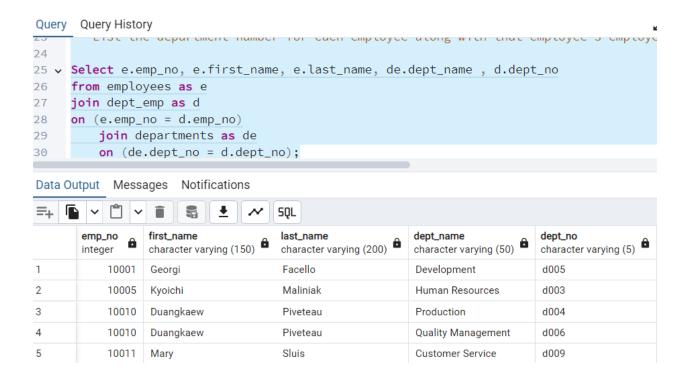
-- List the manager of each department along with their department number, department name, employee number, last name, and first name.

```
Select e.emp_no, e.first_name, e.last_name, de.dept_name , d.dept_no
from employees as e
join dept_manager as d
on (e.emp_no = d.emp_no)
    join departments as de
    on (d.dept_no = de.dept_no);
```



-- List the department number for each employee along with that employee's employee number, last name, first name, and department name.

```
Select e.emp_no, e.first_name, e.last_name, de.dept_name , d.dept_no
from employees as e
join dept_emp as d
on (e.emp_no = d.emp_no)
    join departments as de
    on (de.dept_no = d.dept_no);
```



-- List first name, last name, and sex of each employee whose first name is Hercules and whose last name begins with the letter B.

```
Select e.first_name, e.last_name, e.sex
from employees as e
where e.first_name = 'Hercules'
and e.last_name like 'B%'
```

```
-- List first name, last name, and sex of each employee of sex

Select e.first_name, e.last_name, e.sex

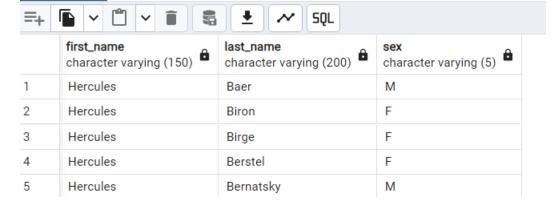
from employees as e

where e.first_name = 'Hercules'

and e.last_name like 'B%'

;
```

Data Output Messages Notifications



Select e.first_name, e.last_name, e.emp_no, de.dept_name

from employees as e

join dept_emp as d

on (d.emp_no = e.emp_no)

join departments as de

on (de.dept_no = d.dept_no)

where de.dept_name = 'Sales';

Kazuhito

Yinghua

Bader

Uri

2

3

4

5

```
42 v Select e.first_name, e.last_name, e.emp_no, de.dept_name
      from employees as e
43
      join dept_emp as d
44
          on (d.emp_no = e.emp_no)
45
          join departments as de
46
47
          on (de.dept_no = d.dept_no)
48
               where de.dept_name = 'Sales';
Data Output Messages Notifications
                                       SQL
≡+
                            last_name
                                                            dept_name
      first_name
                                                 emp_no
                                                            character varying (50)
                            character varying (200)
      character varying (150)
                                                 integer
1
       Bezalel
                            Simmel
                                                      10002
                                                            Sales
```

10016

10034

10041

10050

Sales

Sales

Sales

Sales

-- List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name.

Cappelletti

Swan

Lenart

Dredge

Select e.first_name, e.last_name, e.emp_no, de.dept_name

from employees as e

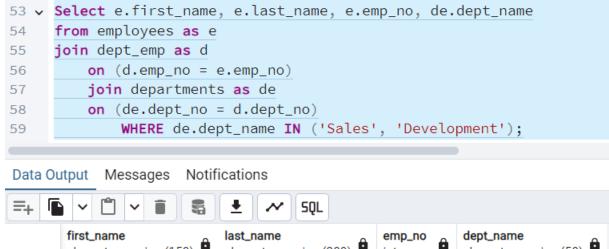
join dept_emp as d

on (d.emp_no = e.emp_no)

join departments as de

on (de.dept_no = d.dept_no)

WHERE de.dept_name IN ('Sales', 'Development');



| = + □ | | ♣ ~ SQL | | |
|-----------------------|------------------------------------|-----------------------------------|-------------------|----------------------------------|
| | first_name character varying (150) | last_name character varying (200) | emp_no integer | dept_name character varying (50) |
| 1 | Georgi | Facello | 10001 | Development |
| 2 | Bezalel | Simmel | 10002 | Sales |
| 3 | Anneke | Preusig | 10006 | Development |
| 4 | Saniya | Kalloufi | 10008 | Development |
| 5 | Patricio | Bridgland | 10012 | Development |

-- List the frequency counts, in descending order, of all the employee last names (that is, how many employees share each last name).

Select e.last_name, count(e.emp_no) as num_last_name from employees as e group by e.last_name order by num_last_name desc;

```
-- List the frequency counts, in descending order, of

Select e.last_name, count(e.emp_no) as num_last_name

from employees as e
group by e.last_name
order by num_last_name desc;
```

Data Output Messages Notifications

