**Question 1**

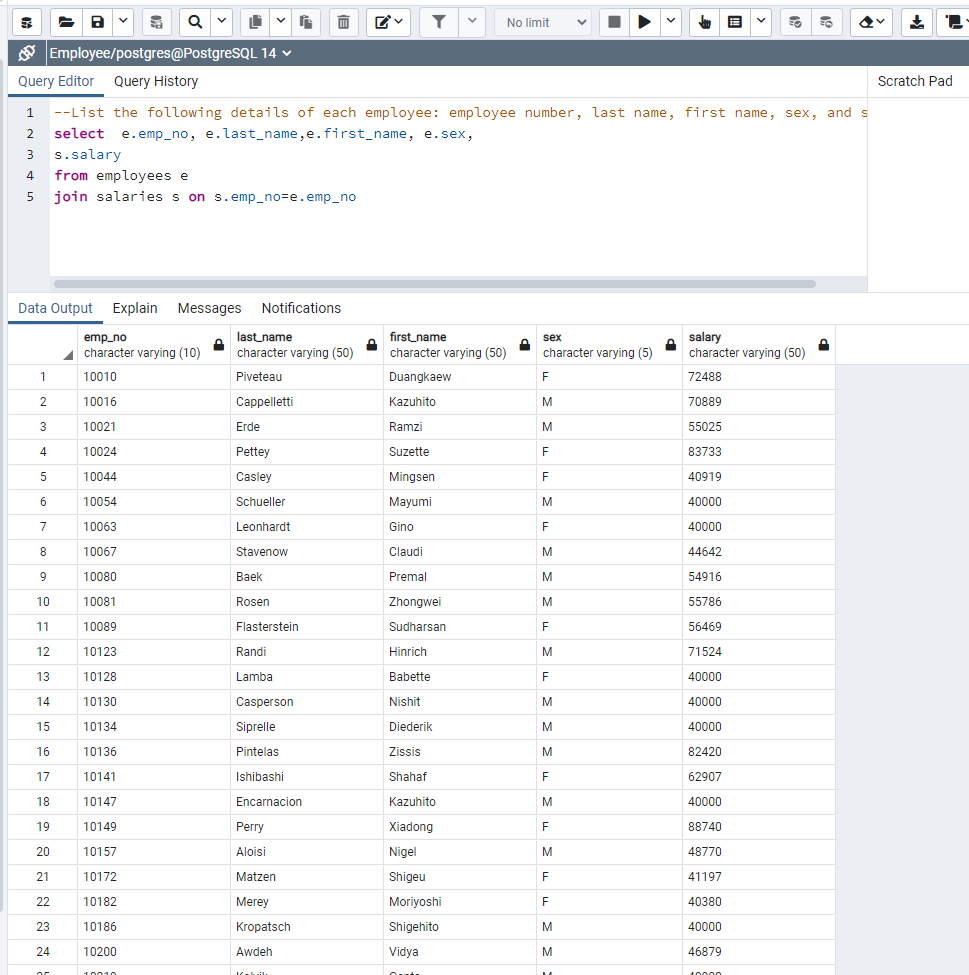
**--**List the following details of each employee: employee number, last name, first name, sex, and salary.

select e.emp\_no, e.last\_name,e.first\_name, e.sex,

s.salary

from employees e

join salaries s on s.emp\_no=e.emp\_no



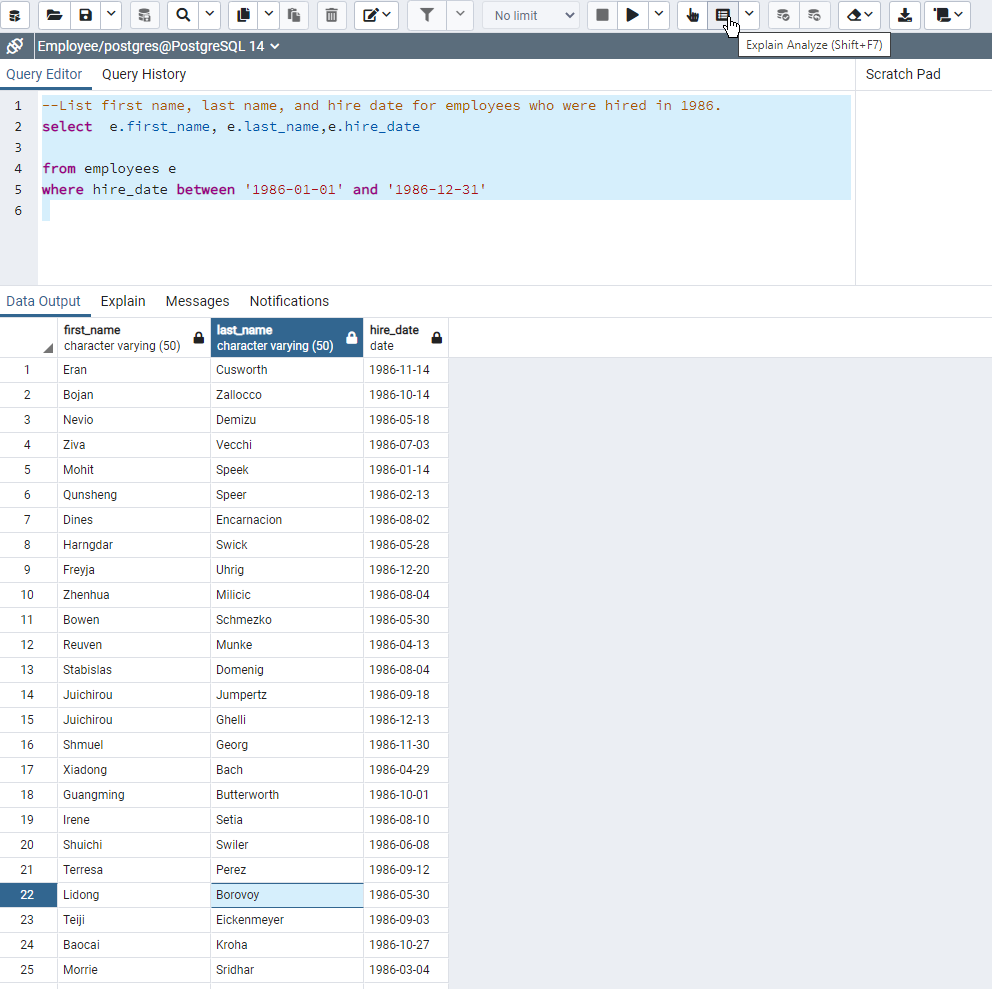
**Question 2**

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

select e.first\_name, e.last\_name,e.hire\_date

from employees e

where hire\_date between '1986-01-01' and '1986-12-31'



**Question 3**

--List the manager of each department with the following information: department number,

--department name, the manager's employee number, last name, first name.

select

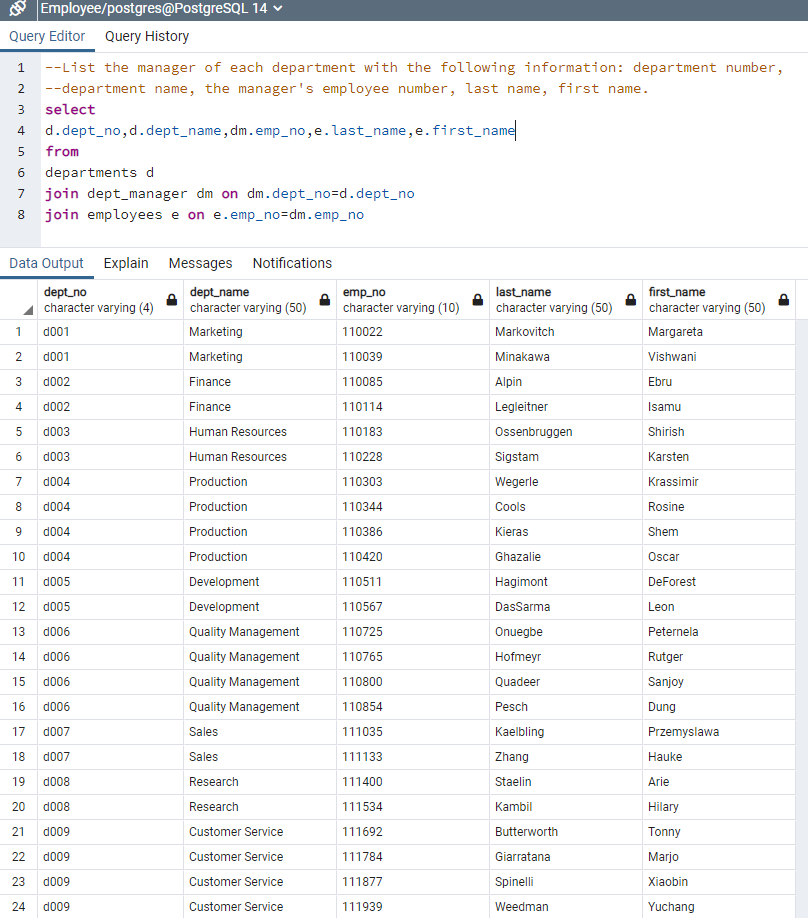
d.dept\_no,d.dept\_name,dm.emp\_no,e.last\_name,e.first\_name

from

departments d

join dept\_manager dm on dm.dept\_no=d.dept\_no

join employees e on e.emp\_no=dm.emp\_no



**Question 4**

--List the department of each employee with the following information: employee number,

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

select

d.dept\_no,d.dept\_name,de.emp\_no,e.last\_name,e.first\_name

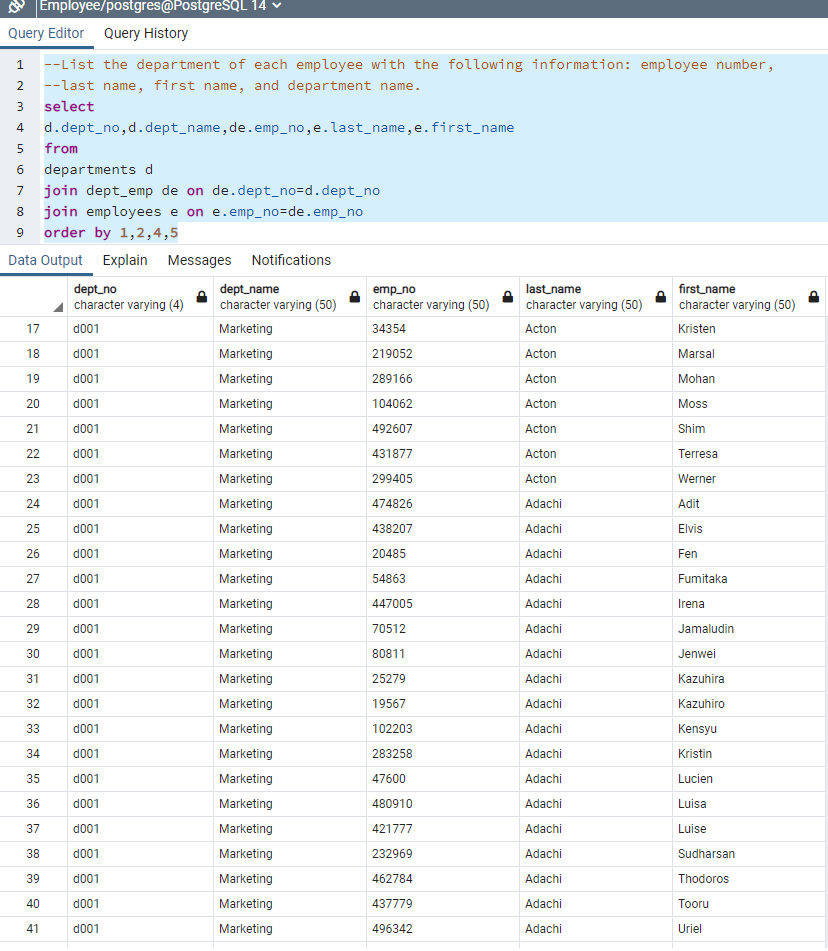
from

departments d

join dept\_emp de on de.dept\_no=d.dept\_no

join employees e on e.emp\_no=de.emp\_no

order by 1,2,4,5



**Question 5**

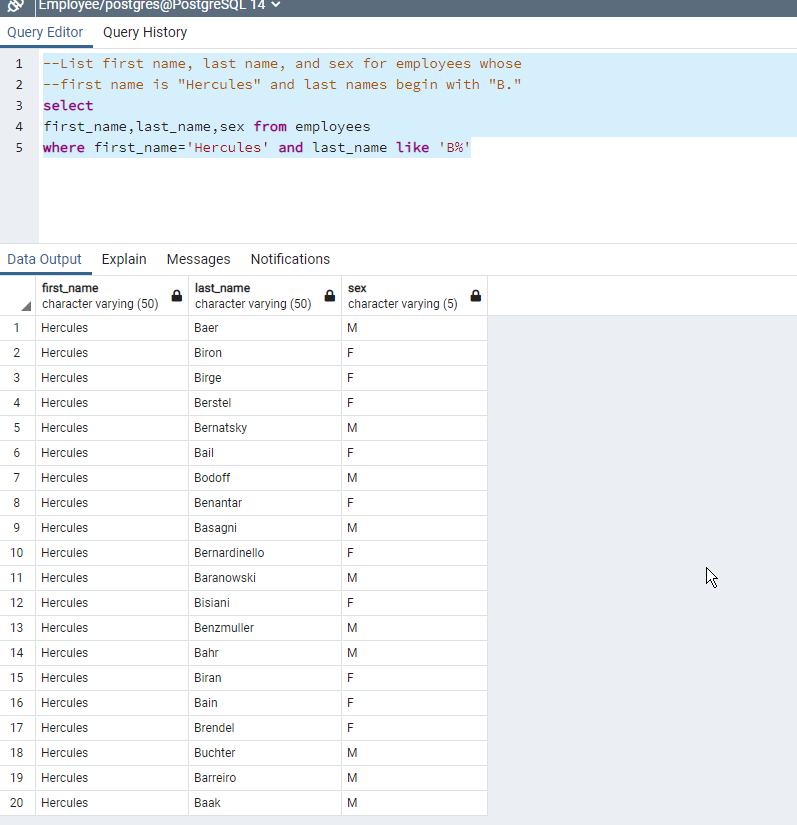
--List first name, last name, and sex for employees whose

--first name is "Hercules" and last names begin with "B."

select

first\_name,last\_name,sex from employees

where first\_name='Hercules' and last\_name like 'B%'



**Question 6**

--List all employees in the Sales department,

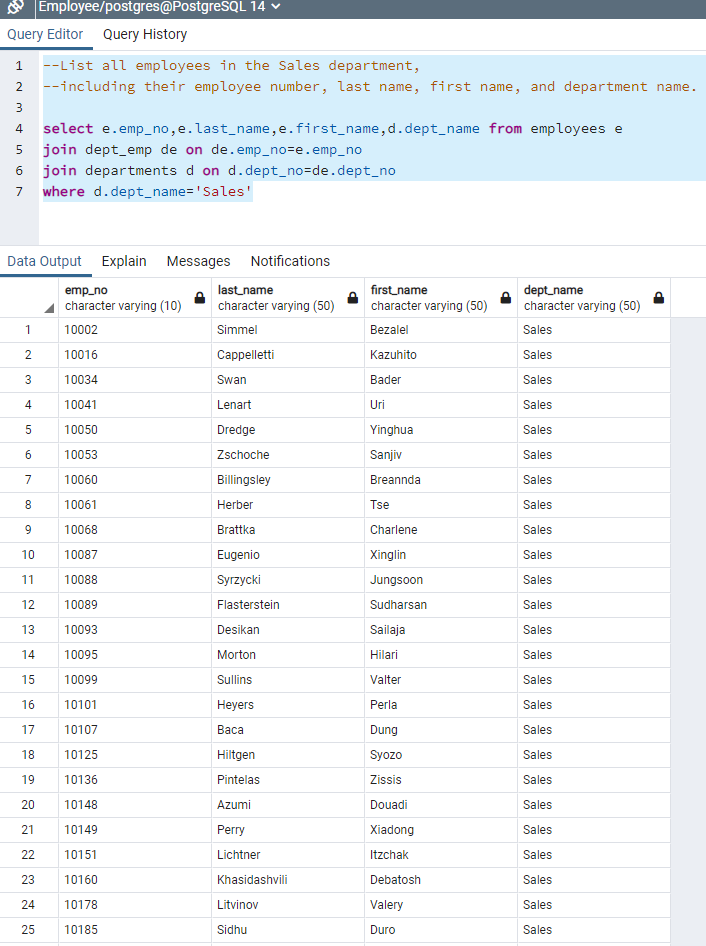
--including their employee number, last name, first name, and department name.

select e.emp\_no,e.last\_name,e.first\_name,d.dept\_name from employees e

join dept\_emp de on de.emp\_no=e.emp\_no

join departments d on d.dept\_no=de.dept\_no

where d.dept\_name='Sales'



**Question 7**

--List all employees in the Sales and Development departments, including their employee number,

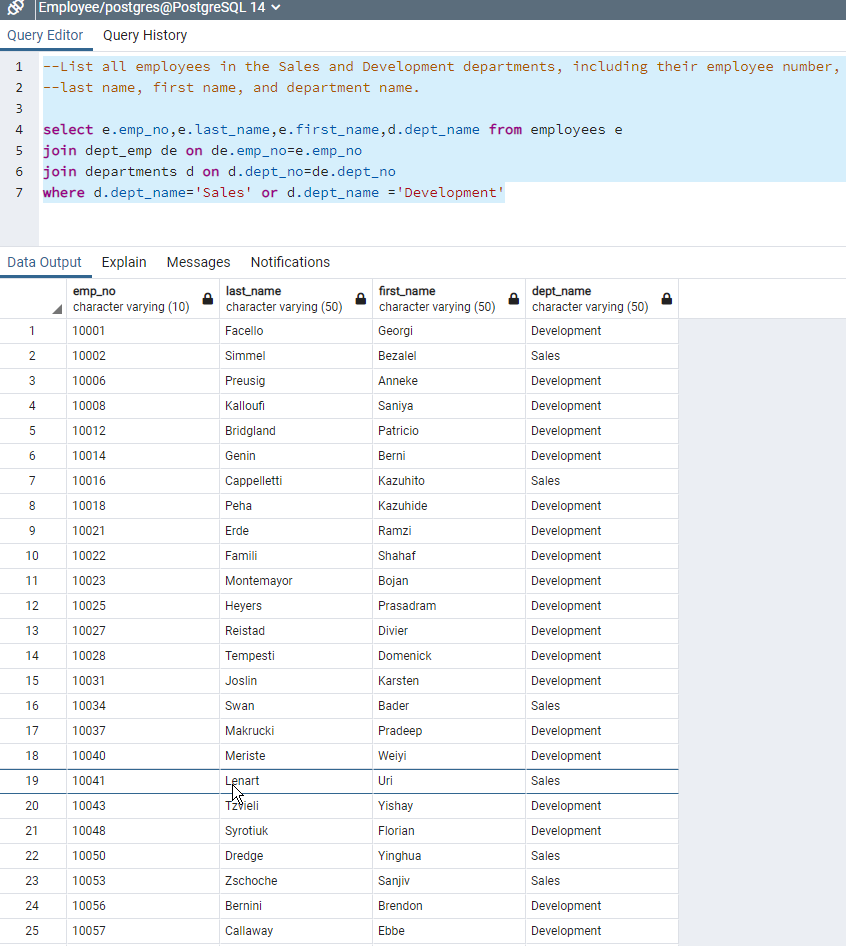
--last name, first name, and department name.

select e.emp\_no,e.last\_name,e.first\_name,d.dept\_name from employees e

join dept\_emp de on de.emp\_no=e.emp\_no

join departments d on d.dept\_no=de.dept\_no

where d.dept\_name='Sales' or d.dept\_name ='Development'



**Question 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(\*) frequency from employees

group by last\_name

order by 2 desc

