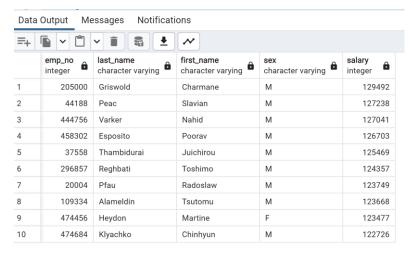
HW9

Data Analysis

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

```
select
    e.emp_no,
    e.last_name,
    e.first_name,
    e.sex,
    s.salary

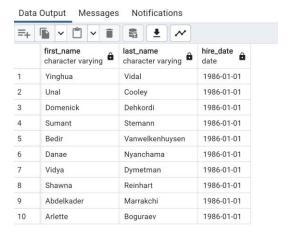
from
    employees as e
    join salaries as s on e.emp_no = s.emp_no
order by
    s.salary desc
limit 10
```



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

```
select
e.first_name,
e.last_name,
e.hire_date

from
employees as e
where
hire_date between '1986-01-01' and '1986-12-31'
order by
e.hire_date asc
limit 10
```



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

select

departments.dept_no, departments.dept_name, dept_manager.emp_no, employees.last_name, employees.first_name

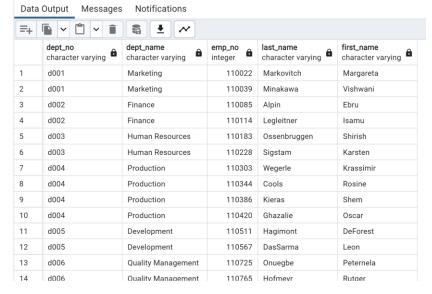
from

departments join dept_manager

on departments.dept_no = dept_manager.dept_no

join employees

on dept_manager.emp_no = employees.emp_no;



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

first name, and department name.

select

dept_emp.dept_no, dept_emp.emp_no, employees.last_name, employees.first_name, departments.dept_name

from

dept_emp

join employees

on dept_emp.emp_no = employees.emp_no

join departments

on departments.dept_no = dept_emp.dept_no;

Data Output Messages Notifications					
	dept_no character varying	emp_no integer	last_name character varying	first_name character varying	dept_name character varying
1	d005	10001	Facello	Georgi	Development
2	d003	10005	Maliniak	Kyoichi	Human Resources
3	d004	10010	Piveteau	Duangkaew	Production
4	d006	10010	Piveteau	Duangkaew	Quality Management
5	d009	10011	Sluis	Mary	Customer Service
6	d003	10013	Terkki	Eberhardt	Human Resources
7	d001	10017	Bouloucos	Cristinel	Marketing
8	d004	10018	Peha	Kazuhide	Production
9	d005	10018	Peha	Kazuhide	Development
10	d008	10019	Haddadi	Lillian	Research
11	d004	10026	Berztiss	Yongqiao	Production
12	d004	10035	Chappelet	Alain	Production

5. 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
```

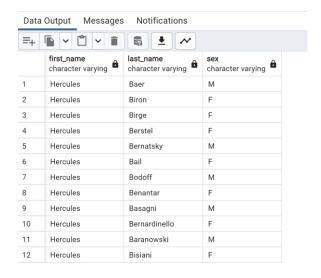
employees.first_name, employees.last_name, employees.sex

from

employees

where

employees.first_name = 'Hercules' and employees.last_name like 'B%';



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

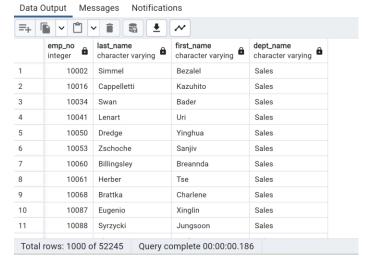
elect dept_emp.emp_no, employees.last_name, employees.first_name, departments.dept_name

dept_emp

from

on dept_emp.emp_no = employees.emp_no

join departments
 on departments.dept_no = dept_emp.dept_no
where
 departments.dept_name = 'Sales';



7. List each employee 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 join employees on dept_emp_no = employees.emp_no join departments on departments.dept_no = dept_emp.dept_no where departments.dept_name = 'Sales' or departments.dept_name = 'Development'; Query Query History Data Output Messages Notifications =+ □ ∨ □ ∨ dept_name emp_no last_name first_name â character varying character varying character varying integer Development Facello 10001 Georgi 2 10002 Simmel Bezalel 3 10006 Preusig Anneke Development 4 10008 Kalloufi Development Saniya Bridgland 5 10012 Patricio Development 10014 6 Genin Berni Development 7 10016 Cappelletti Kazuhito Sales 10018 8 Peha Kazuhide Development 9 10021 Erde Development Ramzi 10 10022 Famili Shahaf Development 11 10023 Montemayor Bojan Development 12 10025 Heyers Prasadram Development 13 10027 Reistad Divier Development 14 10028 Tempesti Domenick Development Total rows: 1000 of 137952 Query complete 00:00:00.305

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

