

- List the employee number, last name, first name, sex, and salary of each employee (2 points)

employee_db/postgres@PostgreSQL 16

Query Query History Scratch Pad

```

1 --List the employee number, last name, first name, sex, and salary of each employee.
2 select
3     e.emp_no,
4     e.last_name,
5     e.first_name,
6     e.sex,
7     s.salary
8 from
9     employees as e
10    join salaries as s on e.emp_no = s.emp_no
11 limit (10);
12
13

```

Data Output Messages Notifications

	emp_no integer	last_name character varying (100)	first_name character varying (100)	sex character varying (5)	salary double precision
1	10001	Facello	Georgi	M	60117
2	10002	Simmel	Bezalel	F	65828
3	10003	Bamford	Parto	M	40006
4	10004	Koblick	Chirstian	M	40054
5	10005	Maliniak	Kyoichi	M	78228
6	10006	Preusig	Anneke	F	40000
7	10007	Zielinski	Tzvetan	F	56724
8	10008	Kalloufi	Saniya	M	46671
9	10009	Peac	Sumant	F	60929

Total rows: 10 of 10 Query complete 00:00:00.089

- List the first name, last name, and hire date for the employees who were hired in 1986 (2 points)

Dashboard Properties SQL Statistics Dependencies Dependents Processes [employee_db/postgres@PostgreSQL 16*](#)

employee_db/postgres@PostgreSQL 16

Query Query History Scratch Pad

```

1  --List the first name, last name, and hire date for the employees who were hired in 1986
2  select
3      first_name,
4      last_name,
5      sex
6  from
7      employees
8  where
9      extract(year from hire_date) = 1986
10 limit (10);
11
12

```

Data Output Messages Notifications

	first_name character varying (100)	last_name character varying (100)	sex character varying (5)
1	Eran	Cusworth	M
2	Bojan	Zalocco	M
3	Nevio	Demizu	F
4	Ziva	Vecchi	M
5	Mohit	Speak	F
6	Qunsheng	Speer	M
7	Dines	Encarnacion	M
8	Harngdar	Swick	F
9	Frevja	Uhrig	M

Total rows: 10 of 10 Query complete 00:00:00.097

- List the manager of each department along with their department number, department name, employee number, last name, and first name (2 points)

Dashboard Properties SQL Statistics Dependencies Dependents Processes [employee_db/postgres@PostgreSQL 16*](#)

employee_db/postgres@PostgreSQL 16

Query Query History

```

1  --List the manager of each department with the following information: department number, department name, the mana
2  select
3      d.dept_no,
4      d.dept_name,
5      dm.emp_no,
6      e.emp_no,
7      e.first_name,
8      e.last_name
9  from
10     departments d
11     JOIN dept_manager dm on d.dept_no = dm.dept_no
12     join employees e on dm.emp_no = e.emp_no
13 limit (10);
14

```

Data Output Messages Notifications

	dept_no character varying (10)	dept_name character varying (50)	emp_no integer	emp_no integer	first_name character varying (100)	last_name character varying (100)
1	d001	Marketing	110022	110022	Margareta	Markovitch
2	d001	Marketing	110039	110039	Vishwani	Minakawa
3	d002	Finance	110085	110085	Ebru	Alpin
4	d002	Finance	110114	110114	Isamu	Legleitner
5	d003	Human Resources	110183	110183	Shirish	Ossenbruggen
6	d003	Human Resources	110228	110228	Karsten	Sigstam
7	d004	Production	110303	110303	Krassimir	Wegerle
8	d004	Production	110344	110344	Rosine	Cools
9	d004	Production	110386	110386	Shem	Kieras

Total rows: 10 of 10 Query complete 00:00:00.042

- List the department number for each employee along with that employee's employee number, last name, first name, and department name (2 points).

min 4

ect Tools Help

Dashboard Properties SQL Statistics Dependencies Dependents Processes **employee_db/postgres@PostgreSQL 16***

employee_db/postgres@PostgreSQL 16

No limit

Query Query History

```

1  --List the department number for each employee along with that employee's employee number, last name, first name, and department name
2  select
3      e.emp_no,
4      e.last_name,
5      e.first_name,
6      d.dept_no,
7      d.dept_name,
8      dm.emp_no
9
10 from
11     employees e
12     JOIN dept_emp dm on e.emp_no = dm.emp_no
13     join departments d on dm.dept_no = d.dept_no
14 limit (10);

```

Data Output Messages Notifications

	emp_no integer	last_name character varying (100)	first_name character varying (100)	dept_no character varying (10)	dept_name character varying (50)	emp_no integer
1	10001	Facello	Georgi	d005	Development	10001
2	10002	Simmel	Bezalel	d007	Sales	10002
3	10003	Bamford	Parto	d004	Production	10003
4	10004	Koblick	Chirstian	d004	Production	10004
5	10005	Maliniak	Kyoichi	d003	Human Resources	10005
6	10006	Preusig	Anneke	d005	Development	10006
7	10007	Zielinski	Tzvetan	d008	Research	10007
8	10008	Kalloufi	Saniya	d005	Development	10008
9	10009	Peac	Sumant	d006	Quality Management	10009

Total rows: 10 of 10 Query complete 00:00:00.099

- List first name, last name, and sex of each employee whose first name is Hercules and whose last name begins with the letter B (2 points)

The screenshot shows a PostgreSQL query editor interface. The top menu bar includes Dashboard, Properties, SQL, Statistics, Dependencies, Dependents, and Processes. The current connection is 'employee_db/postgres@PostgreSQL 16*'. The query editor shows a SQL query that selects the first name, last name, and sex of employees whose first name is 'Hercules' and whose last name starts with 'B'. The query is as follows:

```
1 --List first name, last name, and sex of each employee whose first name is Hercules and
2 select
3     first_name,
4     last_name,
5     sex
6 from
7     employees
8 where
9     first_name = 'Hercules'
10    and last_name LIKE 'B%'
11 limit (10);
12
13
```

The results are displayed in the Data Output tab, showing 10 rows of data. The columns are first_name, last_name, and sex. The data is as follows:

	first_name character varying (100)	last_name character varying (100)	sex character varying (5)
1	Hercules	Baer	M
2	Hercules	Biron	F
3	Hercules	Birge	F
4	Hercules	Berstel	F
5	Hercules	Bernatsky	M
6	Hercules	Bail	F
7	Hercules	Bodoff	M
8	Hercules	Benantar	F
9	Hercules	Basaqni	M

Total rows: 10 of 10 Query complete 00:00:00.065 Ln 2, Col 1

- List each employee in the Sales department, including their employee number, last name, and first name (2 points)

Dashboard Properties SQL Statistics Dependencies Dependents Processes **employee_db/postgres@PostgreSQL 16***

employee_db/postgres@PostgreSQL 16

Query Query History

```

1  --List each employee in the Sales department, including their employee number, last name, and first name.
2  select
3      d.dept_name,
4      e.emp_no,
5      e.last_name,
6      e.first_name,
7      de.dept_no
8  from
9      dept_emp de
10     JOIN employees e on e.emp_no = de.emp_no
11     join departments d on de.dept_no = d.dept_no
12  WHERE
13      d.dept_name = 'Sales';
14

```

Data Output Messages Notifications

	dept_name character varying (50)	emp_no integer	last_name character varying (100)	first_name character varying (100)	dept_no character varying (10)
1	Sales	10002	Simmel	Bezalel	d007
2	Sales	10016	Cappelletti	Kazuhito	d007
3	Sales	10034	Swan	Bader	d007
4	Sales	10041	Lenart	Uri	d007
5	Sales	10050	Dredge	Yinghua	d007
6	Sales	10053	Zschoche	Sanjiv	d007
7	Sales	10060	Billingsley	Breanna	d007
8	Sales	10061	Herber	Tse	d007
9	Sales	10068	Brattka	Charlene	d007

Total rows: 1000 of 52245 Query complete 00:00:00.298 Ln 1, Col 106

- List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name (4 points)

Dashboard Properties SQL Statistics Dependencies Dependents Processes [employee_db/postgres@PostgreSQL 16*](#)

employee_db/postgres@PostgreSQL 16

No limit

Query Query History

```

1  --List each employee in the Sales department, including their employee number, last name, and first name.
2  select
3      e.emp_no,
4      e.last_name,
5      e.first_name,
6      d.dept_name
7  from
8      employees e
9      JOIN dept_emp de on e.emp_no = de.emp_no
10     join departments d on de.dept_no = d.dept_no
11  where
12     d.dept_name in ('Sales', 'Development')
13
14

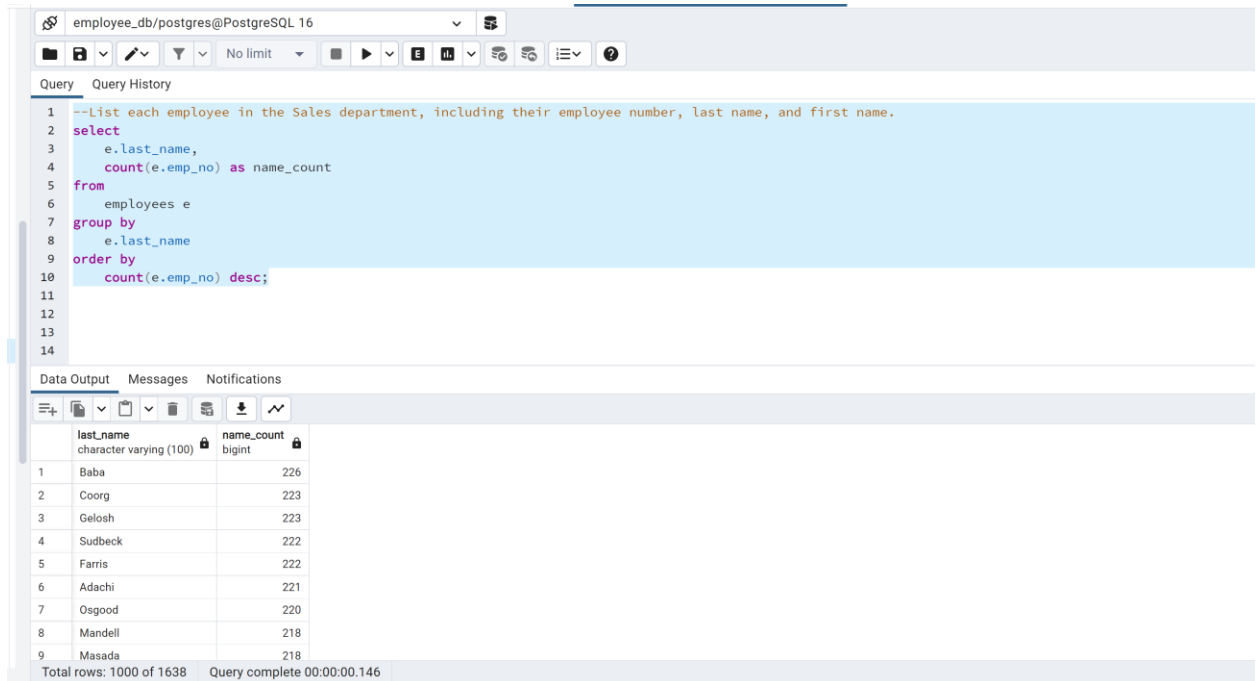
```

Data Output Messages Notifications

	emp_no integer	last_name character varying (100)	first_name character varying (100)	dept_name character varying (50)
1	10001	Facello	Georgi	Development
2	10002	Simmel	Bezalel	Sales
3	10006	Preusig	Anneke	Development
4	10008	Kalloufi	Saniya	Development
5	10012	Bridgland	Patricio	Development
6	10014	Genin	Berni	Development
7	10016	Cappelletti	Kazuhiro	Sales
8	10018	Peha	Kazuhide	Development
9	10021	Erde	Ramzi	Development

Total rows: 1000 of 137952 Query complete 00:00:00.365

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



The screenshot shows a PostgreSQL query editor interface. The query is as follows:

```
--List each employee in the Sales department, including their employee number, last name, and first name.
select
  e.last_name,
  count(e.emp_no) as name_count
from
  employees e
group by
  e.last_name
order by
  count(e.emp_no) desc;
```

Below the query editor, the "Data Output" tab is active, displaying the results of the query in a table format:

	last_name character varying (100)	name_count bigint
1	Baba	226
2	Coorg	223
3	Gelosh	223
4	Sudbeck	222
5	Farris	222
6	Adachi	221
7	Osgood	220
8	Mandell	218
9	Masada	218

Total rows: 1000 of 1638 Query complete 00:00:00.146