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Query

Query History

```
--1. List the employee number, last name, first name, sex, and salary of each employee
SELECT
    emp.emp_no,
    emp.last_name,
    emp.first_name,
    emp.sex,
    sal.salary
FROM
    employees emp
    join salaries sal on emp.emp_no = sal.emp_no
ORDER BY
    emp.last_name ASC,
    emp.first_name ASC,
    emp.emp_no ASC;
```

Data Output

Messages

Notifications

	emp_no integer	last_name character varying (200)	first_name character varying (200)	sex character varying (10)	salary double precision
1	258641	Aamodt	Abdelkader	M	42414
2	258005	Aamodt	Adhemar	F	40000
3	455773	Aamodt	Aemilian	M	77921
4	436560	Aamodt	Alagu	F	55415
5	266651	Aamodt	Aleksander	F	53016
6	487598	Aamodt	Alexius	M	40000
7	216963	Aamodt	Alois	M	48583
8	15427	Aamodt	Aluzio	M	41789
9	100860	Aamodt	Amabile	F	42750
10	107070	Aamodt	Anestis	M	58608
11	238705	Aamodt	Anoosh	F	40000
12	225884	Aamodt	Anwar	M	50341
13	206338	Aamodt	Arlette	M	40000
14	29182	Aamodt	Arumugam	F	40000

Total rows: 1000 of 300024

Query complete 00:00:00.388

Ln 14, Col 17

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 - Tables (6)
 - departments
 - dept_emp
 - dept_manager
 - employees
 - salaries
 - titles
 - Trigger Functions
 - Types
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Query Query History

```

16
17 --2. List the first name, last name, and hire date for the employees who were hired in 1986.
18 SELECT
19     emp.first_name,
20     emp.last_name,
21     emp.hire_date
22 FROM
23     employees emp
24 WHERE
25     emp.hire_date >= '1986-01-01'
26     AND emp.hire_date <= '1986-12-31'
27 ORDER BY
28     emp.last_name ASC,
29     emp.first_name ASC,
30     emp.hire_date ASC;
31
32
33

```

Data Output Messages Notifications

	first_name character varying (200)	last_name character varying (200)	hire_date date
1	Arumugam	Aamodt	1986-01-09
2	Arvind	Aamodt	1986-11-20
3	Basant	Aamodt	1986-12-25
4	Danco	Aamodt	1986-10-10
5	Dietrich	Aamodt	1986-12-07
6	Elzbieta	Aamodt	1986-04-29
7	Fatemeh	Aamodt	1986-05-07
8	Foong	Aamodt	1986-06-28
9	Huican	Aamodt	1986-12-12
10	Jaideep	Aamodt	1986-07-16
11	Kazuhito	Aamodt	1986-12-02
12	Luisse	Aamodt	1986-07-27

Total rows: 1000 of 36150 Query complete 00:00:00.080

Ln 34, Col 1

Object Explorer



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 - > dept_manager
 - > employees
 - > salaries
 - > titles
 - > Trigger Functions
 - > Types
 - > Views

queries.sql* x

sql_challenge/postgres@pg14

No limit

Query Query History

```

31
32 --3. List the manager of each department along with their department number, department name,
33 --employee number, last name, and first name.
34 SELECT
35     t.title,
36     dm.dept_no,
37     dep.dept_name,
38     dm.emp_no,
39     emp.last_name,
40     emp.first_name
41 FROM
42     dept_manager dm
43 JOIN departments dep ON dm.dept_no = dep.dept_no
44 JOIN employees emp ON dm.emp_no = emp.emp_no
45 JOIN titles t ON emp.emp_title_id = t.title_id
46 ORDER BY
47     dm.dept_no ASC,
48     emp.last_name ASC,
49     emp.first_name ASC,
50     dm.emp_no ASC;
51

```

Data Output Messages Notifications

SQL

	title character varying (100)	dept_no character varying (5)	dept_name character varying (100)	emp_no integer	last_name character varying (200)	first_name character varying (200)
1	Manager	d001	Marketing	110022	Markovitch	Margareta
2	Manager	d001	Marketing	110039	Minakawa	Vishwani
3	Manager	d002	Finance	110085	Alpin	Ebru
4	Manager	d002	Finance	110114	Legleitner	Isamu
5	Manager	d003	Human Resources	110183	Ossenbruggen	Shirish
6	Manager	d003	Human Resources	110228	Sigstam	Karsten
7	Manager	d004	Production	110344	Cools	Rosine
8	Manager	d004	Production	110420	Ghazalie	Oscar
9	Manager	d004	Production	110386	Kieras	Shem
10	Manager	d004	Production	110303	Wegerle	Krassimir

Total rows: 24 of 24

Query complete 00:00:00.065

Ln 41, Col 5

- > 📄 Subscriptions
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 - > 📄 FTS Dictionaries
 - > 📄 FTS Parsers
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 - > 📄 Procedures
 - > 📄 Sequences
 - ✓ 📄 Tables (6)
 - > 📄 departments
 - > 📄 dept_emp
 - > 📄 dept_manager
 - > 📄 employees
 - > 📄 salaries
 - > 📄 titles
 - > 📄 Trigger Functions
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▼

[illegible]

```
50 --4. List the department number for each employee along with that employee's employee number,
51 --last name, first name, and department name.
52 SELECT
53     de.dept_no,
54     de.emp_no,
55     emp.last_name,
56     emp.first_name,
57     dep.dept_name
58 FROM
59     dept_emp de
60     JOIN employees emp ON de.emp_no = emp.emp_no
61     JOIN departments dep ON de.dept_no = dep.dept_no
62 ORDER BY
63     emp.last_name ASC,
64     emp.first_name ASC,
65     de.emp_no ASC;
```


	dept_no character varying (5)	emp_no integer	last_name character varying (200)	first_name character varying (200)	dept_name character varying (100)
1	d005	258641	Aamodt	Abdelkader	Development
2	d005	258005	Aamodt	Adhemar	Development
3	d007	455773	Aamodt	Aemilian	Sales
4	d005	436560	Aamodt	Alagu	Development
5	d004	266651	Aamodt	Aleksander	Production
6	d001	487598	Aamodt	Alexius	Marketing
7	d003	216963	Aamodt	Alois	Human Resources
8	d005	15427	Aamodt	Aluzio	Development
9	d008	100860	Aamodt	Amabile	Research
10	d004	107070	Aamodt	Anestis	Production
11	d005	238705	Aamodt	Anoosh	Development
12	d004	238705	Aamodt	Anoosh	Production

Ln 62, Col 9

pgAdmin 4

Object Explorer

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 - > dept_emp
 - > dept_manager
 - > employees
 - > salaries
 - > titles
 - > Trigger Functions
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queries.sql* x

sql_challenge/postgres@pg14

Query Query History

```
--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
    emp.first_name,
    emp.last_name,
    emp.sex
FROM
    employees emp
WHERE
    emp.first_name = 'Hercules'
    AND emp.last_name LIKE 'B%'
ORDER BY
    emp.last_name ASC;
```

Data Output Messages Notifications

	first_name character varying (200)	last_name character varying (200)	sex character varying (10)
1	Hercules	Baak	M
2	Hercules	Baer	M
3	Hercules	Bahr	M
4	Hercules	Bail	F
5	Hercules	Bain	F
6	Hercules	Baranowski	M
7	Hercules	Barreiro	M
8	Hercules	Basagni	M
9	Hercules	Benantar	F
10	Hercules	Benzmuller	M
11	Hercules	Bernardinello	F
12	Hercules	Bernatsky	M

Total rows: 20 of 20 Query complete 00:00:00.057 Ln 67, Col 1

Object Explorer



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 - > Aa FTS Parsers
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 - > departments
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 - > Trigger Functions
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queries.sql* x

sql_challenge/postgres@pg14

Query Query History

```
88
89 --6. List each employee in the Sales department, including their employee number,
90 --last name, and first name.
91 SELECT
92     dep.dept_name,|
93     de.emp_no,
94     emp.last_name,
95     emp.first_name
96 FROM
97     dept_emp de
98 JOIN departments dep ON de.dept_no = dep.dept_no
99 JOIN employees emp ON de.emp_no = emp.emp_no
100 WHERE
101     dep.dept_name = 'Sales'
102 ORDER BY
103     emp.last_name ASC,
104     emp.first_name ASC;
105
106
```

Data Output Messages Notifications

	dept_name character varying (100)	emp_no integer	last_name character varying (200)	first_name character varying (200)
1	Sales	455773	Aamodt	Aemilian
2	Sales	107094	Aamodt	Baoqiu
3	Sales	203802	Aamodt	Berry
4	Sales	428594	Aamodt	Breannnda
5	Sales	61219	Aamodt	Chuanyi
6	Sales	492546	Aamodt	Elzbieta
7	Sales	433338	Aamodt	Gian
8	Sales	290839	Aamodt	Guoxiang
9	Sales	233941	Aamodt	Hairong
10	Sales	103125	Aamodt	Huican
11	Sales	275120	Aamodt	Jaideep
12	Sales	240207	Aamodt	Jiann

Total rows: 1000 of 52245 Query complete 00:00:00.139

Ln 92, Col 16

Object Explorer



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 - > Sequences
 - ▼ Tables (6)
 - > departments
 - > dept_emp
 - > dept_manager
 - > employees
 - > salaries
 - > titles
 - > Trigger Functions
 - > Types
 - > Views

queries.sql* x

sql_challenge/postgres@pg14



No limit



Query Query History

```

107 --7. List each employee in the Sales and Development departments,
108 --including their employee number, last name, first name, and department name.
109 SELECT
110     de.emp_no,
111     emp.last_name,
112     emp.first_name,
113     dep.dept_name
114 FROM
115     dept_emp de
116 JOIN departments dep ON de.dept_no = dep.dept_no
117 JOIN employees emp on de.emp_no = emp.emp_no
118 WHERE
119     dep.dept_name = 'Sales'
120 OR dep.dept_name = 'Development'
121 ORDER BY
122     emp.last_name ASC,
123     emp.first_name ASC;
124

```

Data Output Messages Notifications



SQL

	emp_no integer	last_name character varying (200)	first_name character varying (200)	dept_name character varying (100)
1	258641	Aamodt	Abdelkader	Development
2	258005	Aamodt	Adhemar	Development
3	455773	Aamodt	Aemilian	Sales
4	436560	Aamodt	Alagu	Development
5	15427	Aamodt	Aluzio	Development
6	238705	Aamodt	Anoosh	Development
7	107094	Aamodt	Baoqiu	Sales
8	411560	Aamodt	Basant	Development
9	203802	Aamodt	Berry	Sales
10	428594	Aamodt	Breannda	Sales
11	31701	Aamodt	Carrsten	Development
12	61219	Aamodt	Chuanyi	Sales

Total rows: 1000 of 137952

Query complete 00:00:00.228

Ln 124, Col 1



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- > postgres
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 - ▼ Tables (6)
 - > departments
 - > dept_emp
 - > dept_manager
 - > employees
 - > salaries
 - > titles
 - > Trigger Functions
 - > Types
 - > Views
- > Subscriptions

sql_challenge/postgres@pg14



Query Query History

```
125 --8. List the frequency counts, in descending order, of all the employee last names
126 --(that is, how many employees share each last name).
127 SELECT
128     emp.last_name AS "Last Name",
129     COUNT(emp.last_name) AS "Employee Count"
130 FROM
131     employees emp
132 GROUP BY
133     emp.last_name
134 ORDER BY
135     "Employee Count" DESC,
136     emp.last_name ASC;
137
138
139
140
141
142
143
```

Data Output Messages Notifications



	Last Name character varying (200)	Employee Count bigint
1	Baba	226
2	Coorg	223
3	Gelosh	223
4	Farris	222
5	Sudbeck	222
6	Adachi	221
7	Osgood	220
8	Mandell	218
9	Masada	218
10	Neiman	218
11	Boudaillier	217
12	Wendorf	217

Total rows: 1000 of 1638

Query complete 00:00:00.058

Ln 137, Col 1

