

pgAdmin 4

File Object Tools Help

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Employees/postgres@PostgreSQL 16

Query Query History Scratch Pad

```
86
87 -- DATA ANALYSIS
88 --1. List the employee number, last name, first name, sex, and salary of each
89 SELECT
90 first_name, last_name, sex, salary
91 FROM
92 Employees
93 inner join Salary on Employees.Emp_No = Salary.Emp_No;
94
95 --2. List the first name, last name, and hire date for the employees who were
96 SELECT
97 first_name, last_name, hire_date
```

Data Output Messages Notifications

	first_name	last_name	sex	salary
	character varying (30)	character varying (30)	character varying (1)	integer
1	Georgi	Facello	M	60117
2	Kyoichi	Maliniak	M	78228
3	Duangkaew	Piveteau	F	72488
4	Mary	Sluis	F	42365
5	Eberhardt	Terkki	M	40000
6	Cristinel	Bouloucos	F	71380
7	Kazuhide	Peha	F	55881

Total rows: 1000 of 600048 Query complete 00:00:02.298 Ln 89, Col 1

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Employees/postgres@PostgreSQL 16

Query Query History Scratch Pad

```
91 FROM
92 Employees
93 inner join Salary on Employees.Emp_No = Salary.Emp_No;
94
95 --2. List the first name, last name, and hire date for the employees who were
96 SELECT
97 first_name, last_name, hire_date
98 FROM
99 Employees
100 WHERE (hire_date >='01-01-1986' and hire_date <='31-12-1986');
101
102
```

Data Output Messages Notifications

	first_name	last_name	hire_date
	character varying (30)	character varying (30)	date
1	Eran	Cusworth	1986-11-14
2	Bojan	Zalocco	1986-10-14
3	Nevio	Demizu	1986-05-18
4	Ziva	Vecchi	1986-07-03
5	Mohit	Speek	1986-01-14
6	Qunsheng	Speer	1986-02-13
7	Dines	Encarnacion	1986-08-02

Total rows: 1000 of 36150 Query complete 00:00:00.326

Successfully run. Total query runtime: 326 msec. 36150 rows affected.

Ln 96, Col 1

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Employees/postgres@PostgreSQL 16

Query Query History Scratch Pad

```
--3. List the manager of each department along with their department number, d
select em.first_name, em.last_name, em.emp_no, dp.dept_name, dp.dept_no
from
Departments as dp
inner join managers as mn on dp.dept_no = mn.dept_no
inner join employees as em on em.emp_no = mn.emp_no

--4. List the department number for each employee along with that employee's e
select em.first_name, em.last_name, em.emp_no, dp.dept_no, dp.dept_name
```

Data Output Messages Notifications

	first_name	last_name	emp_no	dept_name	dept_no
1	Margareta	Markovitch	110022	Marketing	d001
2	Vishwani	Minakawa	110039	Marketing	d001
3	Ebru	Alpin	110085	Finance	d002
4	Isamu	Legleitner	110114	Finance	d002
5	Shirish	Ossenbruggen	110183	Human Resources	d003
6	Karsten	Sigstam	110228	Human Resources	d003
7	Krassimir	Wegerle	110303	Product	d003

Total rows: 48 of 48 Query complete 00:00:00.160

Successfully run. Total query runtime: 160 msec. 48 rows affected.

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Employees/postgres@PostgreSQL 16

Query Query History Scratch Pad

```
--4. List the department number for each employee along with that employee's e
select em.first_name, em.last_name, em.emp_no, dp.dept_no, dp.dept_name
from
employees as em
inner join Dept_Emp as dp on em.emp_no = dp.emp_no
inner join Departments as dep on dp.dept_no = dp.dept_no

--5. List first name, last name, and sex of each employee whose first name is
select
first_name, last_name, sex
from
```

Data Output Messages Notifications

	first_name	last_name	emp_no	dept_no	dept_name
1	Georgi	Facello	10001	d005	Development
2	Kyoichi	Maliniak	10005	d003	Human Resources
3	Duangkaew	Piveteau	10010	d004	Production
4	Duangkaew	Piveteau	10010	d006	Quality Management
5	Mary	Sluis	10011	d009	Customer Service
6	Eberhardt	Terkki	10013	d003	Human Resources
7	Cristinel	Bouloucos	10014	d003	Human Resources

Total rows: 1000 of 663206 Query complete 00:00:03.326

Successfully run. Total query runtime: 3 secs 326 msec. 663206 rows affected.

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Employees/postgres@PostgreSQL 16

Query Query History Scratch Pad

```
116 inner join Dept_Emp as dp on em.emp_no = dp.emp_no
117 inner join Departments as dep on dep.dept_no = dp.dept_no
118
119 --5. List first name, last name, and sex of each employee whose first name is
120 select
121 first_name, last_name, sex
122 from
123 employees
124 where
125 first_name = 'Hercules' and last_name like 'B%'
126
127 --6. List each employee in the Sales department, including their employee num
```

Data Output Messages Notifications

	first_name character varying (30)	last_name character varying (30)	sex character varying (1)
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

Successfully run. Total query runtime: 224 msec. 20 rows affected. X

Total rows: 20 of 20 Query complete 00:00:00.224 Ln 120, Col 1

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Employees/postgres@PostgreSQL 16

Query Query History Scratch Pad

```
126
127 --6. List each employee in the Sales department, including their employee numb
128 select em.first_name, em.last_name, em.emp_no, dp.dept_no, dep.dept_name
129 from
130 employees as em
131
132 inner join Dept_Emp as dp on em.emp_no = dp.emp_no
133 inner join Departments as dep on dep.dept_no = dp.dept_no
134 where
135 dep.dept_name = 'Sales'
136
137 --7. List each employee in the Sales and Development departments, including
```

Data Output Messages Notifications

	first_name character varying (30)	last_name character varying (30)	sex character varying (1)
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

Total rows: 20 of 20 Query complete 00:00:00.224 Ln 128, Col 1

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Employees/postgres@PostgreSQL 16

Query Query History Scratch Pad

```

136
137
138 -- 7. List each employee in the Sales and Development departments, including t
139 select em.first_name, em.last_name, em.emp_no, dep.dept_name
140 from
141 employees as em
142
143 inner join Dept_Emp as dp on em.emp_no = dp.emp_no
144 inner join Departments as dep on dep.dept_no = dp.dept_no
145 where
146 dep.dept_name = 'Sales' or dep.dept_name = 'Development'
147

```

Data Output Messages Notifications

	first_name character varying (30)	last_name character varying (30)	emp_no integer	dept_name character varying (45)
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
6	Berri	Genin	10014	Development
7	Kazuhiro	Cappelletti	10017	Development

Successfully run. Total query runtime: 1 secs 873 msec. 275904 rows affected. X

Total rows: 1000 of 275904 Query complete 00:00:01.873 Ln 138, Col 1

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Employees/postgres@PostgreSQL 16

Query Query History Scratch Pad

```

143
144 inner join Departments as dep on dep.dept_no = dp.dept_no
145 where
146 dep.dept_name = 'Sales' or dep.dept_name = 'Development'
147
148
149 -- 8. List the frequency counts, in descending order, of all the employee last
150 SELECT count(last_name) as lnf, last_name
151 FROM Employees as em
152 GROUP BY last_name
153 ORDER BY COUNT(last_name) DESC;

```

Data Output Messages Notifications

	lnf bigint	last_name character varying (30)
1	226	Baba
2	223	Coorg
3	223	Gelosh
4	222	Farris
5	222	Sudbeck
6	221	Adachi
7	220	Osgood

Successfully run. Total query runtime: 567 msec. 1638 rows affected. X

Total rows: 1000 of 1638 Query complete 00:00:00.567 Ln 149, Col 1