

127.0.0.1:50303/browser/

pgAdmin

Views

EmployeeSQL/postgres@PostgreSQL 12

Query Editor

```
2
3 SELECT * FROM employees;
4 SELECT * FROM salaries;
5
6 SELECT employees.emp_no AS "employee number",employees.last_name AS "last name",employees.first_name AS "first name",employees.gender,salaries.salary
7 FROM employees
8 INNER JOIN salaries
9 ON employees.emp_no=salaries.emp_no;
10
11 -- 2-List employees who were hired in 1986.
12
13 SELECT * FROM employees;
14
15
16 SELECT last_name, 1986 As "Hired fn 1986"
17 FROM employees
18 GROUP BY last_name;
19
```

Data Output

	last_name	character varying	Hired in 1986	integer
1	Breugel		1986	
2	Maierhofer		1986	
3	Spinelli		1986	
4	DasSarma		1986	
5	Bliner		1986	
6	Arvola		1986	

pgAdmin

Materialized Views

EmployeeSQL/postgres@PostgreSQL 12

Query Editor

```
1 -- 1-List the following details of each employee: employee number, last name, first name, gender, and salary.
2
3 SELECT * FROM employees;
4 SELECT * FROM salaries;
5
6 SELECT employees.emp_no AS "employee number",employees.last_name AS "last name",employees.first_name AS "first name",employees.gender,salaries.salary
7 FROM employees
8 INNER JOIN salaries
9 ON employees.emp_no=salaries.emp_no;
10
```

Data Output

	employee number	integer	last name	character varying	first name	character varying	gender	character varying	salary	integer
1	10001		Facello		Georgi		M		60117	
2	10005		Mallniak		Kyoichi		M		78228	
3	10010		Piveteau		Duangkaew		F		72488	
4	10011		Slurs		Mary		F		42365	
5	10013		Terksi		Eberhardt		M		40000	
6	10017		Bouloucos		Oristinel		F		71380	
7	10018		Peha		Kazuhide		F		55881	
8	10019		Haddadi		Lillian		M		44276	
9	10026		Bertziss		Vonggiao		M		47585	
10	10035		Chappelet		Alain		M		41538	
11	10037		Makrucki		Pradeep		M		40000	
12	10043		Tzieli		Yishay		M		49324	

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4 SELECT * FROM salaries;
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7 FROM employees
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9 ON employees.emp_no=salaries.emp_no;
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Data Output

	employee number	integer	last name	character varying	first name	character varying	gender	character varying	salary	integer
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6	10017		Bouloucos		Oristinel		F		71380	
7	10018		Peha		Kazuhide		F		55881	
8	10019		Haddadi		Lillian		M		44276	
9	10026		Bertziss		Vonggiao		M		47585	
10	10035		Chappelet		Alain		M		41538	
11	10037		Makrucki		Pradeep		M		40000	
12	10043		Tzieli		Yishay		M		49324	

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Browser: EmployeeSQL

Query Editor: EmployeeSQL/postgres@PostgreSQL 12

```

114 e.last_name AS "Last Name",
115 e.first_name AS "First Name",
116 d.dept_name AS "Department Name"
117 FROM departments_employee AS de
118 INNER JOIN employees AS e
119 ON
120 de.emp_no=e.emp_no
121 LEFT JOIN departments AS d
122 ON
123 d.dept_no=de.dept_no
124 WHERE d.dept_name='Sales' OR d.dept_name='Development';
125
126 --8- In descending order, list the frequency count of employee last names, i.e., how many employees share each last name.
127
128 SELECT last_name,COUNT(last_name)AS "Number of last_name"
129 FROM employees
130 GROUP BY last_name
131 ORDER BY "Number of last_name" DESC;
132
133

```

Data Output: Explain Messages Notifications

	last_name	Number of last_name
1	Baba	452
2	Coorg	446
3	Gelosh	446
4	Sudbeck	444

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Browser: EmployeeSQL

Query Editor: EmployeeSQL/postgres@PostgreSQL 12

```

107 d.dept_no=de.dept_no
108 WHERE d.dept_name='Sales';
109
110 --7- List all employees in the Sales and Development departments, including their employee number, last name, first name, and department name.
111
112 SELECT
113 de.emp_no AS "Employee Number",
114 e.last_name AS "Last Name",
115 e.first_name AS "First Name",
116 d.dept_name AS "Department Name"
117 FROM departments_employee AS de
118 INNER JOIN employees AS e
119 ON
120 de.emp_no=e.emp_no
121 LEFT JOIN departments AS d
122 ON
123 d.dept_no=de.dept_no
124 WHERE d.dept_name='Sales' OR d.dept_name='Development';
125
126 --8- In descending order, list the frequency count of employee last names, i.e., how many employees share each last name.

```

Data Output: Explain Messages Notifications

	Employee Number	Last Name	First Name	Department Name
1	10179	Duclos	Deniz	Development
2	10179	Duclos	Deniz	Development
3	10179	Duclos	Deniz	Development
4	10219	Kolvik	Genta	Development

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Dashboard Properties SQL Statistics Dependencies Dependents schemata.sql queries.sql

EmployeeSQL/postgres@PostgreSQL 12

Query Editor Query History

```

91 SELECT * FROM employees;
92 -- emp_no
93 -- last_name
94 -- first_name
95
96 SELECT
97 de.emp_no AS "Employee Number",
98 e.last_name AS "Last Name",
99 e.first_name AS "First Name",
100 d.dept_name AS "Department Name"
101 FROM departments_employee AS de
102 INNER JOIN employees AS e
103 ON
104 de.emp_no=e.emp_no
105 LEFT JOIN departments AS d
106 ON
107 d.dept_no=de.dept_no
108 WHERE d.dept_name='Sales';
109

```

Data Output Explain Messages Notifications

	Employee Number	Last Name	First Name	Department Name
	integer	character varying	character varying	character varying
1	10136	Pintelas	Zissis	Sales
2	10136	Pintelas	Zissis	Sales
3	10136	Pintelas	Zissis	Sales
4	10148	Azumi	Douadi	Sales

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Query Editor Query History

```

67 de.dept_name AS "Department Name"
68 FROM employees AS e
69 INNER JOIN departments_employee AS de
70 ON
71 e.emp_no=de.emp_no
72 LEFT JOIN departments AS d
73 ON
74 de.dept_no=d.dept_no;
75
76 -- 5-List all employees whose first name is "Hercules" and last names begin with "B."
77
78 SELECT * FROM employees
79 WHERE first_name= 'Hercules'
80 AND last_name like 'B%';
81
82 -- 6-List all employees in the Sales department, including their employee number, last name, first name, and department name.
83
84
85 SELECT * FROM departments;
86 -- dept_name=Sales
87

```

Data Output Explain Messages Notifications

	emp_no	birth_date	first_name	last_name	gender	hire_date
	integer	date	character varying	character varying	character varying	date
1	10282	1953-11-27	Hercules	Benzmuller	M	1986-06-04
2	11337	1964-07-31	Hercules	Brendel	F	1994-11-20
3	20780	1954-11-17	Hercules	Baranowski	M	1991-03-09
4	21870	1960-07-06	Hercules	Barreiro	M	1989-11-18

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EmployeeSQL/postgres@PostgreSQL 12

Query Editor Query History

```

57 -- emp_no
58 -- dep_no
59 SELECT * FROM departments;
60 -- dept_name
61 -- dep_no
62
63 SELECT
64 e.emp_no AS "Employee Number",
65 e.last_name AS "Last Name",
66 e.first_name AS "First Name",
67 d.dept_name AS "Department Name"
68 FROM employees AS e
69 INNER JOIN departments_employee AS de
70 ON
71 e.emp_no=de.emp_no
72 LEFT JOIN departments AS d
73 ON
74 de.dep_no=d.dep_no;
75

```

Data Output Explain Messages Notifications

	Employee Number	Last Name	First Name	Department Name
	integer	character varying	character varying	character varying
1	10005	Mallniak	Kyoichi	Human Resources
2	10005	Mallniak	Kyoichi	Human Resources
3	10005	Mallniak	Kyoichi	Human Resources
4	10005	Mallniak	Kyoichi	Human Resources

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Dashboard Properties SQL Statistics Dependencies Dependents schemata.sql queries.sql

EmployeeSQL/postgres@PostgreSQL 12

Query Editor Query History

```

35
36 SELECT dm.dept_no AS "Department Number",
37 d.dept_name AS "Department Name",
38 dm.emp_no AS "Employee Number",
39 e.last_name AS "Last Name",
40 e.first_name AS "First Name",
41 dm.from_date AS "Date Start",
42 dm.to_date AS "Date Ends"
43 FROM Departments_Manager AS dm
44 INNER JOIN Departments AS d
45 ON
46 (dm.dept_no=d.dept_no)
47 INNER JOIN employees AS e
48 ON
49 (dm.emp_no=e.emp_no);
50
51 -- 4-List the department of each employee with the following information: employee number, last name, first name, and department name.
52 SELECT * FROM employees;

```

Data Output Explain Messages Notifications

	Department Number	Department Name	Employee Number	Last Name	First Name	Date Start	Date Ends
	character varying	character varying	integer	character varying	character varying	date	date
1	d004	Production	110303	Wegerle	Krassimir	1985-01-01	1988-09-09
2	d004	Production	110303	Wegerle	Krassimir	1985-01-01	1988-09-09
3	d004	Production	110303	Wegerle	Krassimir	1985-01-01	1988-09-09
4	d004	Production	110303	Wegerle	Krassimir	1985-01-01	1988-09-09
5	d004	Production	110303	Wegerle	Krassimir	1985-01-01	1988-09-09
6	d004	Production	110303	Wegerle	Krassimir	1985-01-01	1988-09-09