

Query#1

Query Editor Query History

```
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 Explain Messages Notifications

	employee number	last name	first name	gender	salary
	integer	character varying	character varying	character varying	integer
1	10001	Facello	Georgi	M	60117
2	10005	Mallinak	Kyochi	M	78228
3	10010	Piveteau	Duangkaew	F	72488
4	10011	Slus	Mary	F	42365
5	10013	Terkki	Eberhardt	M	40000
6	10017	Bouloucos	Cristinel	F	71380
7	10018	Peha	Kazuhide	F	55881
8	10019	Haddadi	Lillian	M	44276
9	10026	Berziss	Yongqiao	M	47985
10	10035	Chappelet	Alain	M	41538
11	10037	Makrucki	Pradeep	M	40000
12	10043	Tzveli	Yishay	M	49324

Query#2

Query Editor Query History

```
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 in 1986"
17 FROM employees
18 GROUP BY last_name;
19
```

Data Output Explain Messages Notifications

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

Query#3

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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

Query#4

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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.dept_no=d.dept_no;
75
```

Data Output Explain Messages Notifications

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

Query#5

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Query Editor Query History

```
67 SELECT 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
```

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	1988-11-18

Query#6

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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	Zisis	Sales
2	10136	Pintelas	Zisis	Sales
3	10136	Pintelas	Zisis	Sales
4	10148	Azumi	Douadi	Sales

Query#7

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Query Editor Query History

```
107 d.dep_no=de.dep_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.dep_no=de.dep_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
	integer	character varying	character varying	character varying
1	10179	Duclos	Deniz	Development
2	10179	Duclos	Deniz	Development
3	10179	Duclos	Deniz	Development
4	10219	Kolvik	Genta	Development

Query#8

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Query Editor Query History

```
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.dep_no=de.dep_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;
```

Data Output Explain Messages Notifications

	last_name	Number of last_name
	character varying	bigint
1	Baba	452
2	Coop	446
3	Gelosh	446
4	Sudbeck	444