

Module 9 SQL Challenge query verification

mod9_employee_db/postgres@PostgreSQL 16

Query Query History

```
-- # 2 List the first name, last name, and hire date for the employees who were hired in 1986

SELECT
    first_name,
    last_name,
    hire_date
FROM
    employees
WHERE
    extract(year from hire_date) = 1986
ORDER BY
    hire_date asc, last_name asc, first_name asc;

-- # 3 List the manager of each department along with their department number, department name,
-- employee number, last name, and first name.
```

Data Output Messages Notifications

Showing rows: 1 to 1

	first_name character varying (50)	last_name character varying (50)	hire_date date
1	Uri	Asmuth	1986-01-01
2	Shahid	Baaz	1986-01-01
3	Pranas	Baek	1986-01-01
4	Mohammed	Bahk	1986-01-01
5	Kristian	Bergere	1986-01-01
6	Ziyad	Bhattacharjee	1986-01-01
7	Jiang	Bierbaum	1986-01-01
8	Arlette	Boguraev	1986-01-01
9	Giann	Bondorf	1986-01-01
10	Filipe	Bottner	1986-01-01
11	Constantino	Brookman	1986-01-01

Total rows: 36150 Query complete 00:00:00.450

Query Query History

```
-- # 3 List the manager of each department along with their department number, department name,
-- employee number, last name, and first name.

SELECT
    d.dept_no,
    d.dept_name,
    e.emp_no,
    e.last_name,
    e.first_name
FROM departments d
JOIN dept_manager dm ON d.dept_no = dm.dept_no
JOIN employees e ON dm.emp_no = e.emp_no;

-- # 4 List the department number for each employee along with that employee's employee number,
-- last name, first name, and department name.
```

Data Output Messages Notifications

Showing rows:

	dept_no character varying (10)	dept_name character varying (50)	emp_no integer	last_name character varying (50)	first_name character varying (50)
1	d001	Marketing	110022	Markovitch	Margareta
2	d001	Marketing	110039	Minakawa	Vishwani
3	d002	Finance	110085	Alpin	Ebru
4	d002	Finance	110114	Legleitner	Isamu
5	d003	Human Resources	110183	Ossenbruggen	Shirish
6	d003	Human Resources	110228	Sigstam	Karsten
7	d004	Production	110303	Wegerle	Krassimir
8	d004	Production	110344	Cools	Rosine
9	d004	Production	110386	Kieras	Shem
10	d004	Production	110420	Ghazalle	Oscar
11	d005	Development	110511	Haqimont	DeForest

Total rows: 24 Query complete 00:00:00.109

Query History

```

46
47 -- # 4 List the department number for each employee along with that employee's employee number,
48 -- last name, first name, and department name.
49
50 SELECT
51     de.dept_no,
52     e.emp_no,
53     e.last_name,
54     e.first_name,
55     d.dept_name
56 FROM
57     employees e
58
59 JOIN dept_emp de ON e.emp_no = de.emp_no
60 JOIN departments d ON de.dept_no = d.dept_no
61 ORDER BY e.emp_no;
62
63
64
65

```

Data Output Messages Notifications

Showing rows: 1

	dept_no character varying (10)	emp_no integer	last_name character varying (50)	first_name character varying (50)	dept_name character varying (50)
1	d005	10001	Facello	Georgi	Development
2	d007	10002	Simmel	Bezalel	Sales
3	d004	10003	Bamford	Parto	Production
4	d004	10004	Koblick	Chiratan	Production
5	d003	10005	Maliniak	Kyoichi	Human Resources
6	d005	10006	Preusig	Anneke	Development
7	d008	10007	Zielinski	Tzvetan	Research
8	d005	10008	Kalloufi	Saniya	Development
9	d006	10009	Peac	Sumant	Quality Management
10	d004	10010	Piveteau	Duangkaew	Production
11	d006	10010	Piveteau	Duangkaew	Quality Management

Total rows: 331603 Query complete 00:00:00.798

Query History

```

44
45 -- # 5 List first name, last name, and sex of each employee whose first name is Hercules
46 -- and whose last name begins with the letter B.
47
48 SELECT
49     e.first_name,
50     e.last_name
51 FROM
52     employees e
53
54 WHERE
55     e.first_name = 'Hercules' and last_name like 'B%'
56
57
58
59 -- # 6 List each employee in the Sales department, including their employee number, last n
60
61
62
63

```

Data Output Messages Notifications

Showing rows: 1

	first_name character varying (50)	last_name character varying (50)
1	Hercules	Baer
2	Hercules	Biron
3	Hercules	Birge
4	Hercules	Berstel
5	Hercules	Bernatsky
6	Hercules	Bail
7	Hercules	Bodoff
8	Hercules	Benantar
9	Hercules	Basagni
10	Hercules	Bernardinello
11	Hercules	Baranowski

Total rows: 20 Query complete 00:00:00.270

Query Query History

```

58
59 -- # 6 List each employee in the Sales department, including their employee number, last name, and first name.
60
61 SELECT
62     e.emp_no,
63     e.last_name,
64     e.first_name
65 FROM
66     employees e
67 JOIN
68     dept_emp de ON e.emp_no = de.emp_no
69 JOIN
70     departments d ON de.dept_no = d.dept_no
71
72 WHERE d.dept_name = 'Sales';
73
74
75 -- # 7 List each employee in the Sales and Development departments,
76 -- including their employee number, last name, first name, and department name.
77

```

Data Output Messages Notifications

Showing rows: 1 to 1000

	emp_no [PK] integer	last_name character varying (50)	first_name character varying (50)
1	10002	Simmel	Bezalel
2	10016	Cappelletti	Kazuhiro
3	10034	Swan	Bader
4	10041	Lenart	Uri
5	10050	Dredge	Yinghua
6	10053	Zschoche	Sanjiv
7	10060	Billingsley	Breanna
8	10061	Herber	Tse
9	10068	Brattka	Charlene
10	10087	Eugenio	Xinglin
11	10088	Syrzyski	Jungsoo

Total rows: 52245 Query complete 00:00:00.270

Query Query History

```

66 -- # 7 List each employee in the Sales and Development departments,
67 -- including their employee number, last name, first name, and department name.
68
69 SELECT
70     e.emp_no,
71     e.last_name,
72     e.first_name,
73     d.dept_name
74 FROM
75     employees e
76 JOIN dept_emp de ON e.emp_no = de.emp_no
77 JOIN departments d ON de.dept_no = d.dept_no
78 WHERE
79     d.dept_name
80     IN ('Sales', 'Development');
81
82 -- # 8 List the frequency counts, in descending order, of all the employee last names
83 -- (that is, how many employees share each last name).
84

```

Data Output Messages Notifications

Showing rows: 1 to 1000

	emp_no integer	last_name character varying (50)	first_name character varying (50)	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
10	10022	Famili	Shahaf	Development
11	10023	Montemayor	Boian	Development

s > public > Tables > salaries > Columns > last_updated

```
Query History
81
82 -- # 8 List the frequency counts, in descending order, of all the employee last names
83 -- (that is, how many employees share each last name).
84
85 SELECT
86     e.last_name,
87     COUNT(e.emp_no) AS num_last_name
88
89 FROM
90     employees e
91
92 GROUP BY
93     e.last_name
94 ORDER BY
95     num_last_name DESC;|
96
97
98
99
100
```

Data Output Messages Notifications

	last_name	num_last_name
	character varying (50)	bigint
1	Baba	226
2	Coorg	223
3	Gelosh	223
4	Sudbeck	222
5	Farris	222
6	Adachi	221
7	Osgood	220
8	Masada	218
9	Mandell	218
10	Neiman	218
11	Boudaillier	217

Total rows: 1638 Query complete 00:00:00.227

```
1 -- MOD 9 SQL Challenge Analysis
2
3 -- # 1 List the employee number, last name, first name, sex, and salary of each employee.
4
5 SELECT
6     e.emp_no,
7     e.last_name,
8     e.first_name,
9     e.sex,
10    s.salary
11 FROM
12     employees e
13 JOIN
14     salaries s ON e.emp_no = s.emp_no
15
16
17 -- # 2 List the first name, last name, and hire date for the employees who were hired in 1986
18
19 SELECT
20     first_name
```

Data Output Messages Notifications

	emp_no	last_name	first_name	sex	salary
	integer	character varying (50)	character varying (50)	character varying (5)	integer
1	10001	Facello	Georgi	M	60117
2	10005	Maliniak	Kyoichi	M	78228
3	10010	Piveteau	Duangkaew	F	72488
4	10011	Sluis	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	Bertziss	Yongqiao	M	47585
10	10035	Chappelet	Alain	M	41538
11	10037	Makrucki	Pradeep	M	40000

Total rows: 300024 Query complete 00:00:00.917