

# 1. List the employee number, last name, first name, sex, and salary of each employee.

Query Query History

```
1 -- List the employee number, last name, first name, sex, and salary of each employee (2 points)
2 Select
3     e.emp_no,
4     e.last_name,
5     e.first_name,
6     e.sex,
7     s.salary
8 From
9     employees as e
10    join salaries as s on e.emp_no = s.emp_no
11 Order By
12     s.salary DESC
13
14
15 -- List the first name, last name, and hire date for the employees who were hired in 1986 (2 points)
16
17
18 -- List the manager of each department along with their department number, department name, employee number, last name, and first name (2 points)
19 -- List the department number for each employee along with that employee's employee number, last name, first name, and department name (2 points)
20 -- List first name, last name, and sex of each employee whose first name is Hercules and whose last name begins with the letter B (2 points)
21 -- List each employee in the Sales department, including their employee number, last name, and first name (2 points)
22 -- List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name (4 points)
23 -- List the frequency counts, in descending order, of all the employee last names (that is, how many employees share each last name) (4 points)
```

Data Output Messages Notifications

	emp_no integer	last_name character varying (20)	first_name character varying (20)	sex character varying (5)	salary double precision
1	205000	Griswold	Charmane	M	129492
2	44188	Peac	Slavian	M	127238
3	444756	Varker	Nahid	M	127041
4	458302	Esposito	Poorav	M	126703
5	37558	Thambidurai	Juichirou	M	125469
6	296857	Reghbati	Toshimo	M	124357
7	20004	Pfau	Radoslaw	M	123749
8	109334	Alameldin	Tsutomu	M	123668
9	474456	Heydon	Martine	F	123477
10	474684	Kiyachko	Chinhyun	M	122726
11	967046	Goodette	Elise	F	122493

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

```
14 -- List the first name, last name, and hire date for the employees who were hired in 1986.
15 Select
16     first_name,
17     last_name,
18     hire_date
19 From
20     employees
21 Where
22     DATE_PART('year', hire_date) = 1986
23 Order By
24     hire_date ASC
25 ;
26
27 -- List the manager of each department along with their department number, department name, employee number, last name, and first name.
28 Select
29     m.dept_no,
30     d.dept_name,
31     e.emp_no,
32     e.last_name,
33     e.first_name
```

Data Output Messages Notifications

	dept_no character varying (10)	dept_name character varying (50)	emp_no integer	last_name character varying (20)	first_name character varying (20)
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	Ghazalie	Oscar
11	d005	Development	110551	Holmstrom	Rebecca

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

```

26 -- List the manager of each department along with their department number, department name, employee number, last name, and first name.
27 Select
28     m.dept_no,
29     d.dept_name,
30     e.emp_no,
31     e.last_name,
32     e.first_name
33 From
34     dept_manager as m
35     join departments as d on m.dept_no = d.dept_no
36     join employees as e on m.emp_no = e.emp_no
37 ;
38
39
40 -- List the department number for each employee along with that employee's employee number, last name, first name, and department name.
41
42 -- List first name, last name, and sex of each employee whose first name is Hercules and whose last name begins with the letter B.
43
44 -- List each employee in the Sales department, including their employee number, last name, and first name.
45
46 -- List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name.
47
48 -- List the frequency counts, in descending order, of all the employee last names (that is, how many employees share each last name).

```

Data Output Messages Notifications

	dept_no character varying (10)	dept_name character varying (50)	emp_no integer	last_name character varying (20)	first_name character varying (20)
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	Ghazalie	Oscar
11	d005	Development	110511	Harmon	DeForest

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

```

40 -- List the department number for each employee along with that employee's employee number, last name, first name, and department name.
41 SELECT
42     de.dept_no,
43     e.emp_no,
44     e.last_name,
45     e.first_name,
46     d.dept_name
47 FROM
48     dept_emp as de
49     join employees as e on de.emp_no = e.emp_no
50     join departments as d on de.dept_no = d.dept_no
51 ;
52
53 -- List first name, last name, and sex of each employee whose first name is Hercules and whose last name begins with the letter B.
54
55
56 -- List each employee in the Sales department, including their employee number, last name, and first name.
57
58 -- List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name.
59
60 -- List the frequency counts, in descending order, of all the employee last names (that is, how many employees share each last name).

```

Data Output Messages Notifications

	dept_no character varying (10)	emp_no integer	last_name character varying (20)	first_name character varying (20)	dept_name character varying (50)
1	d005	10001	Facello	Georgi	Development
2	d003	10005	Maliniak	Kyoichi	Human Resources
3	d004	10010	Piveteau	Duangkaew	Production
4	d006	10010	Piveteau	Duangkaew	Quality Management
5	d009	10011	Sluis	Mary	Customer Service
6	d003	10013	Terkki	Eberhardt	Human Resources
7	d001	10017	Bouloucos	Cristinel	Marketing
8	d004	10018	Peha	Kazuhide	Production
9	d005	10018	Peha	Kazuhide	Development
10	d008	10019	Haddadi	Lillian	Research
11	d004	10024	Borotina	Vassilina	Production

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.

```
53 -- List first name, last name, and sex of each employee whose first name is Hercules and whose last name begins with the letter B.
54 SELECT
55     first_name,
56     last_name,
57     sex
58 FROM
59     employees
60 WHERE first_name = 'Hercules' AND last_name LIKE 'B%'
61 ;
62
63 -- List each employee in the Sales department, including their employee number, last name, and first name.
64
65 -- List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name.
66
67 -- List the frequency counts, in descending order, of all the employee last names (that is, how many employees share each last name).
```

	first_name character varying (20)	last_name character varying (20)	sex character varying (5)
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
8	Hercules	Benantar	F
9	Hercules	Biran	F
10	Hercules	Brendel	F
11	Hercules	Bunker	M

6. List each employee in the Sales department, including their employee number, last name, and first name.

```
63 -- List each employee in the Sales department, including their employee number, last name, and first name.
64 SELECT
65     e.first_name,
66     e.last_name,
67     e.emp_no,
68     d.dept_name
69 FROM
70     dept_emp as de
71 join employees as e on de.emp_no = e.emp_no
72 join departments as d on de.dept_no = d.dept_no
73 WHERE dept_name = 'Sales'
74 ;
75
76
77 SELECT * FROM
78 -- List first name, last name, and sex of each employee whose first name is Hercules and whose last name begins with the letter B.
79
80
81 -- List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name.
```

	first_name character varying (20)	last_name character varying (20)	emp_no integer	dept_name character varying (50)
1	Bezael	Simmel	10002	Sales
2	Kazuhiro	Cappelletti	10016	Sales
3	Bader	Swan	10034	Sales
4	Uri	Lenart	10041	Sales
5	Yinghua	Dredge	10050	Sales
6	Sanjiv	Zschoche	10053	Sales
7	Breanna	Billingsley	10060	Sales
8	Tse	Herber	10061	Sales
9	Charlene	Brattka	10068	Sales
10	Xinglin	Eugenio	10087	Sales
11	James	Suzuki	10088	Sales

- List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name.

```
76 -- List each employee in the Sales and Development departments, including their employee number, last
77 SELECT
78     e.emp_no,
79     e.last_name,
80     e.first_name,
81     d.dept_name
82 FROM
83     dept_emp as de
84     join employees as e on de.emp_no = e.emp_no
85     join departments as d on de.dept_no = d.dept_no
86 WHERE dept_name = 'Sales' OR dept_name = 'Development'
87 ;
88 -- List the frequency counts, in descending order, of all the employee last names (that is, how many e
```

	emp_no integer	last_name character varying (20)	first_name character varying (20)	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	Kazuhito	Sales
8	10018	Peha	Kazuhide	Development
9	10021	Erde	Ramzi	Development

- List the frequency counts, in descending order, of all the employee last names (that is, how many employees share each last name).

```
88 -- List the frequency counts, in descending order, of all the employee last names (that is, how many employees share each last name).
89 SELECT
90     last_name,
91     COUNT
92     (last_name)
93 FROM
94     employees
95 GROUP BY
96     last_name
97 ORDER BY COUNT(last_name) DESC
98 ;
99
100
```

	last_name character varying (20)	count bigint
1	Baba	226
2	Coorg	223
3	Gelosh	223
4	Farris	222
5	Sudbeck	222
6	Adachi	221
7	Osgood	220
8	Masada	218
9	Neiman	218
10	Mandell	218
11	Mindorf	217