

Data Analysis

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

	emp_no integer	last_name character varying (50)	first_name character varying (50)	sex character varying (1)	salary integer
1	57444	Babb	Berry	F	48973
2	13616	Lorho	Perry	F	40000
3	240129	Karnin	Roddy	M	43548
4	427958	Poujol	Feixiong	F	63377
5	35916	Talmon	Wonhee	F	40000
6	67799	Cools	Pantung	M	48111
7	105597	Kabayashi	Christfried	M	43841
8	215615	Chinal	Bader	F	40000
9	95280	Hiraishi	Owen	F	40000
Total rows: 1000 of 300024		Query complete 00:00:01.012			

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

	first_name character varying (50)	last_name character varying (50)	hire_date date
1	Eran	Cusworth	1986-11-14
2	Bojan	Zallocco	1986-10-14
3	Nevio	Demizu	1986-05-18
4	Ziva	Vecchi	1986-07-03
5	Mohit	Speak	1986-01-14
6	Qunsheng	Speer	1986-02-13
7	Dines	Encarnacion	1986-08-02
8	Harngdar	Swick	1986-05-28
9	Freyja	Uhrig	1986-12-20
Total rows: 1000 of 36150		Query complete 00:00:00.357	

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

	dept_no character varying (50) 🔒	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	Ghazalie	Oscar
11	d005	Development	110511	Hagimont	DeForest
Total rows: 24 of 24		Query complete 00:00:00.121			

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

	dept_no character varying (50) 🔒	emp_no integer 🔒	last_name character varying (50) 🔒	first_name character varying (50) 🔒	dept_name character varying (50) 🔒
1	d001	110022	Markovitch	Margareta	Marketing
2	d001	110039	Minakawa	Vishwani	Marketing
3	d002	110085	Alpin	Ebru	Finance
4	d002	110114	Legleitner	Isamu	Finance
5	d003	110183	Ossenbruggen	Shirish	Human Resources
6	d003	110228	Sigstam	Karsten	Human Resources
7	d004	110303	Wegerle	Krassimir	Production
8	d004	110344	Cools	Rosine	Production
9	d004	110386	Kieras	Shem	Production
10	d004	110420	Ghazalie	Oscar	Production
11	d005	110511	Hagimont	DeForest	Development
12	d005	110567	DasSarma	Leon	Development
Total rows: 24 of 24		Query complete 00:00:00.076			

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.

	first_name character varying (50) 🔒	last_name character varying (50) 🔒	sex character varying (1) 🔒
1	Hercules	Baer	M
2	Hercules	Biron	F
3	Hercules	Birge	F
4	Hercules	Bail	F
5	Hercules	Berstel	F
6	Hercules	Bernatsky	M
7	Hercules	Basagni	M
8	Hercules	Bodoff	M
9	Hercules	Benantar	F
10	Hercules	Bernardinello	F
11	Hercules	Bisiani	F
12	Hercules	Baranowski	M
Total rows: 20 of 20 Query complete 00:00:00.128			

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

	dept_name character varying (50) 🔒	emp_no integer 🔒	last_name character varying (50) 🔒	first_name character varying (50) 🔒
1	Sales	10002	Simmel	Bezalel
2	Sales	10016	Cappelletti	Kazuhito
3	Sales	10034	Swan	Bader
4	Sales	10041	Lenart	Uri
5	Sales	10050	Dredge	Yinghua
6	Sales	10053	Zschoche	Sanjiv
7	Sales	10060	Billingsley	Breannnda
8	Sales	10061	Herber	Tse
9	Sales	10068	Brattka	Charlene
Total rows: 1000 of 52245 Query complete 00:00:00.872				

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

	dept_name character varying (50) 🔒	emp_no integer 🔒	last_name character varying (50) 🔒	first_name character varying (50) 🔒
1	Development	10001	Facello	Georgi
2	Sales	10002	Simmel	Bezalel
3	Development	10006	Preusig	Anneke
4	Development	10008	Kalloufi	Saniya
5	Development	10012	Bridgland	Patricio
6	Development	10014	Genin	Berni
7	Sales	10016	Cappelletti	Kazuhito
8	Development	10018	Peha	Kazuhide
9	Development	10021	Erde	Ramzi
10	Development	10022	Famili	Shahaf
Total rows: 1000 of 137952		Query complete 00:00:00.729		

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

	last_name character varying (50) 🔒	count bigint 🔒
1	Baba	226
2	Gelosh	223
3	Coorg	223
4	Farris	222
5	Sudbeck	222
6	Adachi	221
7	Osgood	220
8	Masada	218
9	Mandell	218
10	Neiman	218
Total rows: 1000 of 1638		Query complete 00:00:00