

Employees 2

1. Tulosta kymmenen aakkosjärjestyksessä ensimmäisen työntekijän tiedot sukunimen mukaan lajiteltuna

```
mysql> SELECT * FROM employees ORDER BY last_name ASC LIMIT 10;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
11761	1964-07-17	Bartek	Aamodt	M	1991-06-12
15427	1959-03-06	Aluzio	Aamodt	M	1985-03-03
18182	1963-02-23	Dekang	Aamodt	F	1988-05-25
16572	1956-11-26	Matt	Aamodt	M	1987-06-16
12791	1960-06-16	Mokhtar	Aamodt	M	1994-08-14
12516	1958-06-25	Sreenivas	Aamodt	F	1990-03-06
12982	1952-12-08	Sachem	Aamodt	F	1992-01-11
17400	1962-03-22	Basim	Aamodt	F	1991-09-15
19898	1957-03-09	Vidar	Aamodt	M	1988-08-06
17885	1954-02-01	Takanari	Aamodt	M	1996-08-19

10 rows in set (0.15 sec)

2. Sama kuten edellä, mutta sukunimen JA etunimen mukaan lajiteltuna

```
mysql> SELECT * FROM employees ORDER BY last_name AND first_name ASC LIMIT 10;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
10001	1953-09-02	Georgi	Facello	M	1986-06-26
10002	1964-06-02	Bezalel	Simmel	F	1985-11-21
10003	1959-12-03	Parto	Bamford	M	1986-08-28
10004	1954-05-01	Chirstian	Koblick	M	1986-12-01
10005	1955-01-21	Kyoichi	Maliniak	M	1989-09-12
10006	1953-04-20	Anneke	Preusig	F	1989-06-02
10007	1957-05-23	Tzvetan	Zielinski	F	1989-02-10
10008	1958-02-19	Saniya	Kalloufi	M	1994-09-15
10009	1952-04-19	Sumant	Peac	F	1985-02-18
10010	1963-06-01	Duangkaew	Piveteau	F	1989-08-24

10 rows in set, 65535 warnings (0.27 sec)

3. Tulosta viiden viimeksi palkatun työntekijän tiedot

```
mysql> SELECT * FROM employees ORDER BY hire_date DESC LIMIT 5;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
463807	1964-06-12	Bikash	Covnot	M	2000-01-28
428377	1957-05-09	Yucai	Gerlach	M	2000-01-23
499553	1954-05-06	Hideyuki	Delgrande	F	2000-01-22
222965	1959-08-07	Volkmar	Perko	F	2000-01-13
47291	1960-09-09	Ulf	Flexer	M	2000-01-12

5 rows in set (0.11 sec)

4. Kenellä on suurin palkka ? Tulosta etunimi, sukunimi ja palkka

```
mysql> SELECT first_name, last_name, salary FROM employees JOIN salaries ON employe  
es.emp_no=salaries.emp_no ORDER BY salary DESC LIMIT 1;
```

first_name	last_name	salary
Tokuyasu	Pesch	158220

1 row in set (1.56 sec)

5. Kenellä on pienin palkka ? Tulosta etunimi, sukunimi ja palkka

```
mysql> SELECT first_name, last_name, salary FROM employees JOIN salaries ON employees.emp_no=salaries.emp_no ORDER BY salary ASC LIMIT 1;
```

first_name	last_name	salary
Olivera	Baek	38623

1 row in set (1.55 sec)

6. Tulosta työntekijät (etunimi, sukunimi, palkka), jotka ansaitsevat yli 150000

```
SELECT first_name, last_name, salary FROM employees JOIN salaries ON employees.emp_no=salaries.emp_no WHERE salary>150000;
```

first_name	last_name	salary
Tokuyasu	Pesch	151115
Tokuyasu	Pesch	153166
Tokuyasu	Pesch	153458
Tokuyasu	Pesch	157821
Tokuyasu	Pesch	158220
Ibibia	Junet	150345
Xiahua	Whitcomb	151929
Xiahua	Whitcomb	155709
Lansing	Kambil	150052
Willard	Baca	151768

7. Kuinka monta työntekijää työskentelee myynnissä (Sales) ? Entä markkinoinnissa (Marketing) ?

```
mysql> SELECT COUNT(*) FROM employees JOIN dept_emp ON employees.emp_no=dept_emp.emp_no JOIN departments ON dept_emp.dept_no=departments.dept_no WHERE dept_name='Sales';
```

COUNT(*)
52245

1 row in set (0.93 sec)

```
mysql> SELECT COUNT(*) FROM employees JOIN dept_emp ON employees.emp_no=dept_emp.emp_no JOIN departments ON dept_emp.dept_no=departments.dept_no WHERE dept_name='Marketing';
```

COUNT(*)
20211

1 row in set (0.51 sec)

8. Tulosta kaikkien osastonjohtajien (Department Managers) etunimi, sukunimi ja osasto, jolla työskentelee

```
mysql> SELECT first_name, last_name, dept_name FROM employees JOIN dept_manager ON employees.emp_no=dept_manager.emp_no JOIN departments ON dept_manager.dept_no=departments.dept_no WHERE dept_manager.emp_no;
```

first_name	last_name	dept_name
Tonny	Butterworth	Customer Service
Marjo	Giarratana	Customer Service
Xiaobin	Spinelli	Customer Service
Yuchang	Weedman	Customer Service
DeForest	Hagimont	Development
Leon	DasSarma	Development
Ebru	Alpin	Finance
Isamu	Legleitner	Finance
Shirish	Ossenbruggen	Human Resources
Karsten	Sigstam	Human Resources
Margareta	Markovitch	Marketing
Vishwani	Minakawa	Marketing
Krassimir	Wegerle	Production
Rosine	Cools	Production
Shem	Kieras	Production
Oscar	Ghazalie	Production
Paternela	Onuegbe	Quality Management
Rutger	Hofmeyr	Quality Management
Sanjoy	Quadeer	Quality Management
Dung	Pesch	Quality Management
Arie	Staelin	Research
Hilary	Kambil	Research
Przemyslaw	Kaelbling	Sales
Hauke	Zhang	Sales

24 rows in set (0.00 sec)

9. Mikä on myynnissä työskentelevien keskipalkka ? Entä markkinoinnissa ?

```
mysql> SELECT AVG(salary) FROM employees JOIN dept_emp ON employees.emp_no=dept_emp.emp_no JOIN departments ON departments.dept_no=dept_emp.dept_no JOIN salaries ON employees.emp_no=salaries.emp_no WHERE dept_name='marketing';
```

AVG(salary)
71913.2000

1 row in set (0.87 sec)

```
mysql> SELECT AVG(salary) FROM employees JOIN dept_emp ON employees.emp_no=dept_emp.emp_no JOIN departments ON departments.dept_no=dept_emp.dept_no JOIN salaries ON employees.emp_no=salaries.emp_no WHERE dept_name='sales';
```

AVG(salary)
80667.6058

1 row in set (2.03 sec)