

7. Employees osa 2

a) .

```
mysql> select distinct last_name from employees order by last_name limit 10;
```

last_name
Aamodt
Acton
Adachi
Aingworth
Akaboshi
Akazan
Akiyama
Alameldin
Albarhamtoshy
Alblas

10 rows in set (0.17 sec)

b) en ymmärtäny tätä, vähä huono tehtävänanto

```
mysql> select first_name, last_name from employees order by (last_name AND first_name) limit 10;
```

first_name	last_name
Georgi	Facello
Bezalel	Simmel
Parto	Bamford
Chirstian	Koblick
Kyoichi	Maliniak
Anneke	Preusig
Tzvetan	Zielinski
Saniya	Kalloufi
Sumant	Peac
Duangkaew	Piveteau

c) .

```
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 (0.24 sec)

d) ja e)

```
mysql> select employees.first_name, employees.last_name, salaries.salary from employees inner join salaries on employees.emp_no=salaries.emp_no order by salaries.salary desc limit 1;
+-----+-----+-----+
| first_name | last_name | salary |
+-----+-----+-----+
| Tokuyasu   | Pesch     | 158220 |
+-----+-----+-----+
1 row in set (3.27 sec)

mysql> select employees.first_name, employees.last_name, salaries.salary from employees inner join salaries on employees.emp_no=salaries.emp_no order by salaries.salary limit 1;
+-----+-----+-----+
| first_name | last_name | salary |
+-----+-----+-----+
| Olivera    | Baek      | 38623  |
+-----+-----+-----+
1 row in set (3.10 sec)
```

e) .

f) rivejä oli yht 36

```
mysql> select employees.first_name, employees.last_name, salaries.salary from employees inner join salaries on employees.emp_no=salaries.emp_no where salaries.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 |
| Willard    | Baca      | 154459 |
| Tsutomu    | Alameldin | 151484 |
| Tsutomu    | Alameldin | 154985 |
+-----+-----+-----+
```

g) .

```
mysql> select count(employees.emp_no) from employees inner join dept_emp on employees.emp_no=dept_emp.emp_no inner join departments on dept_emp.dept_no = departments.dept_no where departments.dept_no = 'd007';
+-----+
| count(employees.emp_no) |
+-----+
| 52245                    |
+-----+
1 row in set (1.03 sec)

mysql> select count(employees.emp_no) FROM employees INNER JOIN dept_emp ON employees.emp_no=dept_emp.emp_no INNER JOIN departments ON dept_emp.dept_no = departments.dept_no WHERE departments.dept_no = 'd001';
+-----+
| count(employees.emp_no) |
+-----+
| 20211                    |
+-----+
1 row in set (0.64 sec)

mysql>
```

h) .

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

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

24 rows in set (0.29 sec)

i) .

```
mysql> select AVG(salary) from salaries INNER JOIN dept_emp on salaries.emp_no=dept_emp.emp_no where dept_emp.dept_no='d007';
```

AVG(salary)
80667.6058

1 row in set (1.94 sec)

```
mysql> select AVG(salary) from salaries INNER JOIN dept_emp on salaries.emp_no=dept_emp.emp_no where dept_emp.dept_no='d001';
```

AVG(salary)
71913.2000

1 row in set (2.01 sec)

```
mysql>
```