

Employees, osa 1

a) Minkä nimisiä osastoja (Departments) Employees-tietokannassa on?

```
[mysql> select * from departments;
+-----+
| dept_no | dept_name |
+-----+
| d009    | Customer Service |
| d005    | Development      |
| d002    | Finance          |
| d003    | Human Resources  |
| d001    | Marketing        |
| d004    | Production       |
| d006    | Quality Management |
| d008    | Research         |
| d007    | Sales            |
+-----+
9 rows in set (0,00 sec)
```

b) Tulosta, (yhden kerran kukin) mitä nimikkeitä (title) tietokannassa on.

```
[mysql> select distinct title from titles;
+-----+
| title |
+-----+
| Senior Engineer |
| Staff          |
| Engineer       |
| Senior Staff   |
| Assistant Engineer |
| Technique Leader |
| Manager        |
+-----+
7 rows in set (0,16 sec)
```

c) Mikä on suurin ja pienin palkka (salary) ? VIHJE: MIN, MAX

```
[mysql> select min(salary),max(salary) from salaries;
+-----+
| min(salary) | max(salary) |
+-----+
| 38623       | 158220      |
+-----+
1 row in set (0,36 sec)
```

d) Mikä on keskimääräinen palkka? VIHJE: AVG

```
[mysql> select avg(salary) from salaries;
+-----+
| avg(salary) |
+-----+
| 63810.7448  |
+-----+
1 row in set (0,34 sec)
```

e) Tulosta kaikki työntekijät, joiden sukunimi on Facello.

```
[mysql> select * from employees where last_name='Facello';
```

emp_no	birth_date	first_name	last_name	gender	hire_date
10001	1953-09-02	Georgi	Facello	M	1986-06-26
10327	1954-04-01	Roded	Facello	M	1987-09-18
12751	1964-07-06	Nahum	Facello	M	1995-01-09
15346	1959-09-26	Kirk	Facello	F	1991-12-07
15685	1958-07-12	Kasturi	Facello	M	1992-03-13
18686	1962-02-23	Kwangyoen	Facello	F	1985-05-02
19041	1957-05-29	Billur	Facello	F	1992-08-03
21947	1954-06-18	Taisook	Facello	F	1991-07-30

f) Kuinka moni työntekijä on syntynyt 1950-luvulla?

```
[mysql> select * from employees where (birth_date < '1960-01-01' and birth_date > '1949-12-31');
```

emp_no	birth_date	first_name	last_name	gender	hire_date
10001	1953-09-02	Georgi	Facello	M	1986-06-26
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	1958-04-08	Arash	Berger	F	1988-04-08

g) Montako miestä ja montako naista työntekijöissä on?

```
[mysql> select gender, count(*) from employees group by gender;
```

gender	count(*)
M	179973
F	120051

2 rows in set (0,13 sec)