

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

mysql> SELECT DISTINCT dept_name FROM departments;

```
mysql> SELECT DISTINCT dept_name FROM departments;
+-----+
| dept_name |
+-----+
| Customer Service |
| Development      |
| Finance          |
| Human Resources  |
| Marketing        |
| Production       |
| Quality Management |
| Research         |
| Sales            |
+-----+
9 rows in set (0.00 sec)
```

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

mysql> SELECT DISTINCT title FROM titles;

```
mysql> SELECT DISTINCT title FROM titles;
+-----+
| title |
+-----+
| Senior Engineer |
| Staff          |
| Engineer        |
| Senior Staff    |
| Assistant Engineer |
| Technique Leader |
| Manager         |
+-----+
7 rows in set (0.11 sec)
```

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

mysql> SELECT MIN(salary) as smallest_salary, MAX(salary) as highest_salary FROM salaries;

```
mysql> SELECT MIN(salary) as smallest_salary, MAX(salary) as highest_salary FROM salaries;
+-----+-----+
| smallest_salary | highest_salary |
+-----+-----+
| 38623          | 158220         |
+-----+-----+
1 row in set (0.34 sec)
```

d) Mikä on keskimääräinen palkka ? VIHJE: AVG

mysql> SELECT AVG(salary) as average_salary FROM salaries;

```
mysql> SELECT AVG(salary) as average_salary FROM salaries;
+-----+
| average_salary |
+-----+
|      63810.7448 |
+-----+
1 row in set (0.36 sec)
```

e) Tulosta kaikki työntekijät, joiden sukunimi on Facello.

mysql> SELECT * FROM employees WHERE last_name = '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 |
| 23938 | 1955-07-11 | Nahum | Facello | M | 1985-09-15 |
+-----+-----+-----+-----+-----+-----+
```

f) Kuinka moni työntekijä on syntynyt 1950-luvulla ?

mysql> SELECT COUNT(*) as employees_born_in_1950s FROM employees WHERE birth_date BETWEEN '1950-01-01' AND '1959-12-31';

```
mysql> SELECT COUNT(*) as employees_born_in_1950s FROM employees WHERE birth_date BETWEEN '1950-01-01' AND '1959-12-31';
+-----+
| employees_born_in_1950s |
+-----+
|             182886 |
+-----+
1 row in set (0.07 sec)
```

g) Montako miestä ja montako naista työntekijöissä on ?

mysql> SELECT gender, COUNT(*) as count FROM employees GROUP BY gender;

```
mysql> SELECT gender, COUNT(*) as count FROM employees GROUP BY gender;
+-----+-----+
| gender | count |
+-----+-----+
| M | 179973 |
| F | 120051 |
+-----+-----+
2 rows in set (0.07 sec)
```