

```

C:\ "SERVER MySQL Command Console" - mysql.exe
mysql> use employees
Database changed
mysql> show tables
-> ;
+-----+
| Tables_in_employees |
+-----+
| current_dept_emp      |
| departments           |
| dept_emp              |
| dept_emp_latest_date  |
| dept_manager          |
| employees             |
| salaries              |
| titles                |
+-----+
8 rows in set (0.02 sec)

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 (0.01 sec)

mysql>

```

a) Tässä näkyy kaikki osastot departmentista

```

mysql> select distinct title from titles
-> ;
+-----+
| title |
+-----+
| Senior Engineer |
| Staff          |
| Engineer        |
| Senior Staff    |
| Assistant Engineer |
| Technique Leader |
| Manager         |
+-----+
7 rows in set (0.18 sec)

mysql>

```

b) Erilaiset titlet

```
mysql> select MAX(salary) FROM salaries;
+-----+
| MAX(salary) |
+-----+
|      158220 |
+-----+
1 row in set (0.72 sec)

mysql> select MIN(salary) FROM salaries;
+-----+
| MIN(salary) |
+-----+
|       38623 |
+-----+
1 row in set (0.47 sec)

mysql>
```

c) Isoin palkka ja pienin palkka

```
mysql> select AVG(salary) FROM salaries;
+-----+
| AVG(salary) |
+-----+
| 63810.7448 |
+-----+
1 row in set (0.52 sec)

mysql>
```

d) Palkkojen keskiarvo

```
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
24774	1956-09-23	Uno	Facello	F	1989-11-09
24806	1959-09-30	Charmane	Facello	F	1989-03-17
25955	1962-10-09	Christoph	Facello	M	1989-03-24
27732	1955-06-04	Girolamo	Facello	M	1986-06-30
30320	1953-12-21	Kristine	Facello	F	1990-06-10
31107	1962-10-13	Fai	Facello	M	1994-07-11
32138	1955-04-13	Anyuan	Facello	F	1988-10-04
32580	1953-04-25	Kirk	Facello	M	1988-05-31
36371	1961-05-29	Cristinel	Facello	M	1986-10-14
37261	1957-11-06	Zijian	Facello	F	1986-06-30
41667	1953-12-23	Barna	Facello	F	1985-09-13
44502	1962-09-16	Fumitaka	Facello	M	1985-08-25
44934	1957-02-20	Rimli	Facello	M	1991-08-09
48319	1962-09-22	Genta	Facello	F	1989-12-02
48913	1959-07-11	Danny	Facello	F	1996-02-06
49069	1955-05-02	Kasturi	Facello	M	1995-03-31
50931	1953-10-21	Panayotis	Facello	F	1989-11-07
51025	1957-06-09	Weiwu	Facello	M	1992-10-04
51983	1963-04-30	Arra	Facello	F	1991-12-12
52277	1956-04-07	Rance	Facello	M	1988-04-19
52727	1955-06-21	Steve	Facello	M	1988-05-13
53807	1960-12-03	Mountaz	Facello	M	1988-05-11
55649	1956-01-23	Georgi	Facello	M	1988-05-04
57432	1956-05-10	Stafford	Facello	M	1989-09-08
63380	1961-07-02	Huan	Facello	M	1990-03-28

e) Facello sukunimisiä olikin aika paljon niin niistä ei saanut kaikista kukaa mutta komento näytti toimivan

```
mysql> select count(*) FROM employees WHERE (birth_date < '1960-01-01' AND birth_date >= '1950-01-01');
+-----+
| count(*) |
+-----+
| 182886 |
+-----+
1 row in set (0.04 sec)

mysql>
```

f) Lasketaan kuinka monta työntekijää on syntynyt 1950-luvulla (182 886)

```
mysql> SELECT gender,count(*) FROM employees GROUP BY gender;
+-----+-----+
| gender | count(*) |
+-----+-----+
| M      | 179973   |
| F      | 120051   |
+-----+-----+
2 rows in set (0.08 sec)

mysql>
```

g)Laskettiin kuinka moni kaikista työntekijöistä on nainen ja kuinka moni mies