

VIKKO 3

VERTAISARVIOINTI

5: Employees, osa 1

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



```
16 • select * from departments;
```

Result Grid

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
NULL	NULL

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

```
17 • select distinct title from titles;
```

Result Grid				Filter Rows: <input type="text"/>	Export
	title				
▶	Senior Engineer				
	Staff				
	Engineer				
	Senior Staff				
	Assistant Engineer				
	Technique Leader				
	Manager				

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

```
18 • select min(salary), max(salary) from salaries;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
min(salary)	max(salary)		
38623	158220		






d) Mikä on keskimääräinen palkka?

```
20 • select avg(salary) from salaries;
```

Result Grid	Filter Rows:	Export:
avg(salary)		
63810.7448		





e) Tulosta kaikki työntekijät, joiden sukunimi on Facello.

```
21 • select * from employees where last_name = 'Facello';
```

Result Grid		 Filter Rows: <input type="text"/>	Edit: 			Export/Import:
	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

f) Kuinka moni työntekijä on syntynyt 1950-luvulla ?





22 • `select count(birth_date) from employees where (birth_date >= '1950-01-01' and birth_date <= '1959-12-31');`

Result Grid |  |  Filter Rows: | Export:  | Wrap Cell Content: 

	count(birth_date)
▶	182886

g) Montako miestä ja montako naista työntekijöissä on?

23 • `select gender, count(*) from employees group by gender;`

Result Grid |  |  Filter Rows: | Export:  | Wrap Cell Content: 

	gender	count(*)
▶	M	179973
	F	120051

6: Pet ja owner

Kuudetta tehtävää en tehnyt, koska en osannut. Yritän vielä myöhemmin sitä uudelleen, mutta tähän en sitä kerennyt palauttaa mukaan.

7. Employees osa 2

a) Tulosta kymmenen aakkosjärjestyksessä ensimmäisen työntekijän tiedot sukunimen mukaan lajiteltuna. Vihje: LIMIT rajoittaa tulostettavien tietojen määrän.

```
24 • 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
*	NULL	NULL	NULL	NULL	NULL	NULL

b) Sama kuten edellä, mutta sukunimen JA etunimen mukaan lajiteltuna.

24 • `select * from employees order by last_name, first_name asc limit 10;`

emp_no	birth_date	first_name	last_name	gender	hire_date
258641	1961-05-23	Abdelkader	Aamodt	M	1994-12-02
258005	1953-02-17	Adhemar	Aamodt	F	1991-01-21
455773	1960-05-04	Aemilian	Aamodt	M	1988-04-21
436560	1959-03-16	Alagu	Aamodt	F	1991-10-17
266651	1959-05-28	Aleksander	Aamodt	F	1989-03-29
487598	1962-03-03	Alexius	Aamodt	M	1994-12-30
216963	1960-07-16	Alois	Aamodt	M	1995-08-24
15427	1959-03-06	Aluzio	Aamodt	M	1985-03-03
100860	1964-06-20	Amabile	Aamodt	F	1993-02-06
107070	1954-04-24	Anestis	Aamodt	M	1990-10-30
NULL	NULL	NULL	NULL	NULL	NULL

c) Tulosta viiden viimeksi palkatun työntekijän tiedot.

25 • `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
NULL	NULL	NULL	NULL	NULL	NULL

d) Kenellä on suurin palkka? Tulosta etunimi, sukunimi ja palkka.

```

26 • select e.first_name, e.last_name, s.salary
27 from employees e join salaries s on e.emp_no = s.emp_no
28 where s.salary = (select max(salary) from salaries);

```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	first_name	last_name	salary		
▶	Tokuyasu	Pesch	158220		

e) Kenellä on pienin palkka? Tulosta etunimi, sukunimi ja palkka.

```

29 • select e.first_name, e.last_name, s.salary
30 from employees e join salaries s on e.emp_no = s.emp_no
31 where s.salary = (select min(salary) from salaries);

```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	first_name	last_name	salary		
▶	Olivera	Baek	38623		

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

```

32 • select e.first_name, e.last_name, s.salary
33 from employees e join salaries s on e.emp_no = s.emp_no
34 where s.salary >= 150000;

```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	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	154885		
	Tsutomu	Alameldin	155377		

Result 40 ×

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

```
35 • select d.dept_name, count(de.emp_no) as employee_count
36 from departments d join dept_emp de on d.dept_no = de.dept_no
37 where d.dept_name in ('Sales', 'Marketing') group by d.dept_name;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
dept_name	employee_count		
Marketing	20211		
Sales	52245		

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





```
38 • select e.first_name, e.last_name, d.dept_name from dept_manager dm
39 join employees e on dm.emp_no = e.emp_no
40 join departments d on dm.dept_no = d.dept_no;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
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	

Result 43 x

i) Mikä on myynnissä työskentelevien keskipalkka? Entä markkinoinnissa?

```
41 • select d.dept_name, avg(s.salary) as average_salary
42 from salaries s join dept_emp de on s.emp_no = de.emp_no
43 join departments d on de.dept_no = d.dept_no
44 where d.dept_name in ('Sales', 'Marketing') group by d.dept_name;
```


Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	dept_name	average_salary		
▶	Marketing	71913.2000		
	Sales	80667.6058		


8: Sakila


a) Tulosta DVD-elokuvien kielet (language) aakkosjärjestyksessä

```
50 • select name from language order by name asc;
```

Result Grid



 Filter Rows:

Export: 



Wrap C

	name
▶	English
	French
	German
	Italian
	Japanese
	Mandarin

b) Tulosta kaikkien niiden näyttelijöiden elokuvat, joiden sukunimi on Temple.



```
51 • select f.title as films from actor a
52   join film_actor fa on a.actor_id = fa.actor_id
53   join film f on fa.film_id = f.film_id
54   where a.last_name = 'Temple';
```

Result Grid

Filter Rows:

Export:

Wrap Cell

	films
▶	ACADEMY DINOSAUR
	ALABAMA DEVIL
	BALLOON HOMEWARD
	BEACH HEARTBREAKERS
	BUTTERFLY CHOCOLAT
	CARRIE BUNCH
	CASUALTIES ENCINO
	CONTACT ANONYMOUS
	DROP WATERFRONT
	EARLY HOME
	ENGLISH BULWORTH
	FELLOWSHIP AUTUMN
	GILMORE BOILED
	GUMP DATE

Result 60 ×

c) Tulosta elokuvassa "Ghost Groundhog" näytelleet näyttelijät.

```
55 • select a.first_name as ActorFirstName, a.last_name as ActorLastName
56 from actor a
57 join film_actor fa on a.actor_id = fa.actor_id
58 join film f on fa.film_id = f.film_id
59 where f.title = 'Ghost Groundhog';
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
ActorFirstName	ActorLastName			
DAN	HARRIS			
KENNETH	TORN			
KEVIN	GARLAND			
RUSSELL	TEMPLE			
RENEE	BALL			

d) Montako kauhuelokuvaa ("Horror") tietokannassa on ?

```
60 • select count(distinct fc.film_id) as horrorfilms
61 from film_category fc
62 join category c on fc.category_id = c.category_id
63 where c.name = 'horror';
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
horrorfilms				
56				

e) Tulosta kaikki kauhuelokuvat.

```
64 • select distinct f.title as FilmTitle
65 from film f
66 join film_category fc on f.film_id = fc.film_id
67 join category c on fc.category_id = c.category_id
68 where c.name = 'horror';
```

Result Grid   Filter Rows: | Export:  | Wrap Cell Content: 

FilmTitle



ACE GOLDFINGER

AFFAIR PREJUDICE

AIRPORT POLLOCK

ALABAMA DEVIL

ALI FOREVER

ANALYZE HOOSIERS

ANYTHING SAVANNAH

ARABIA DOGMA

ARACHNOPHOBIA ROLLERCOASTER

BEHAVIOR RUNAWAY
