

Emilia Kumpuniemi

3. SQL- kyselyitä pet-taulusta

Pet-taulun tekeminen on esitetty materiaalin osassa 2. Syötä ensin kaikkien esimerkissä annettujen lemmikkien tiedot tauluun.

```
mysql> select * FROM pet;
```

name	owner	species	sex	birth	death
Fluffy	Harold	cat	f	1993-02-04	NULL
Claws	Gwen	cat	m	1994-03-17	NULL
Buffy	Harold	dog	f	1989-05-13	NULL
Fang	Benny	dog	m	1990-08-27	NULL
Bowser	Diane	dog	m	1979-08-31	1995-07-29
Chirpy	Gwen	bird	f	1998-09-11	NULL
Whistler	Gwen	bird	NULL	1997-12-09	NULL
Slim	Benny	snake	m	1996-04-29	NULL
Puffball	Diane	hamster	f	1999-03-30	NULL

```
9 rows in set (0.00 sec)
```

a) Poista Puffballin tiedot taulusta.

```
mysql> DELETE FROM pet where name='Puffball';
Query OK, 1 row affected (0.03 sec)
```

```
mysql> select * FROM pet;
```

name	owner	species	sex	birth	death
Fluffy	Harold	cat	f	1993-02-04	NULL
Claws	Gwen	cat	m	1994-03-17	NULL
Buffy	Harold	dog	f	1989-05-13	NULL
Fang	Benny	dog	m	1990-08-27	NULL
Bowser	Diane	dog	m	1979-08-31	1995-07-29
Chirpy	Gwen	bird	f	1998-09-11	NULL
Whistler	Gwen	bird	NULL	1997-12-09	NULL
Slim	Benny	snake	m	1996-04-29	NULL

```
8 rows in set (0.00 sec)
```

b) Muuta Bowserin syntymäajaksi 31.8.1998

```
mysql> UPDATE pet SET birth = '1998-08-21' WHERE name = 'Bowser';
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * FROM pet;
```

name	owner	species	sex	birth	death
Fluffy	Harold	cat	f	1993-02-04	NULL
Claws	Gwen	cat	m	1994-03-17	NULL
Buffy	Harold	dog	f	1989-05-13	NULL
Fang	Benny	dog	m	1990-08-27	NULL
Bowser	Diane	dog	m	1998-08-21	1995-07-29
Chirpy	Gwen	bird	f	1998-09-11	NULL
Whistler	Gwen	bird	NULL	1997-12-09	NULL
Slim	Benny	snake	m	1996-04-29	NULL

8 rows in set (0.00 sec)

c) Chirpy on kuollut 15.9.2000. Lisää tämä tieto tauluun.

```
mysql> UPDATE pet SET death = '2000-09-15' WHERE name = 'Chirpy';
Query OK, 1 row affected (0.02 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * FROM pet;
```

name	owner	species	sex	birth	death
Fluffy	Harold	cat	f	1993-02-04	NULL
Claws	Gwen	cat	m	1994-03-17	NULL
Buffy	Harold	dog	f	1989-05-13	NULL
Fang	Benny	dog	m	1990-08-27	NULL
Bowser	Diane	dog	m	1998-08-21	1995-07-29
Chirpy	Gwen	bird	f	1998-09-11	2000-09-15
Whistler	Gwen	bird	NULL	1997-12-09	NULL
Slim	Benny	snake	m	1996-04-29	NULL

8 rows in set (0.00 sec)

d) Tulosta kaikki lemmikit, jotka ovat syntyneet 1990-luvulla. (Tulosta kaikki tietueen tiedot)

```
mysql> SELECT * FROM pet WHERE birth >= '1990-1-1' AND birth <= '1990-12-31';
+----+-----+-----+-----+-----+-----+
| name | owner | species | sex | birth      | death |
+----+-----+-----+-----+-----+-----+
| Fang | Benny | dog     | m   | 1990-08-27 | NULL  |
+----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

e) Tulosta kaikki miespuoliset koirat. (Tulosta kaikki tietueen tiedot)

```
mysql> SELECT * FROM pet WHERE (species = 'dog' AND sex = 'm');
+-----+-----+-----+-----+-----+-----+
| name   | owner | species | sex  | birth      | death      |
+-----+-----+-----+-----+-----+-----+
| Fang   | Benny | dog      | m    | 1990-08-27 | NULL       |
| Bowser | Diane | dog      | m    | 1998-08-21 | 1995-07-29 |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

f) Tulosta ainoastaan kaikkien miespuolisten koirien nimet.

```
mysql> SELECT name FROM pet WHERE sex = 'm' AND species = 'dog';
+-----+
| name   |
+-----+
| Fang   |
| Bowser |
+-----+
2 rows in set (0.00 sec)
```

g) Tulosta kaikkien miespuolisten koirien nimi ja omistajan nimi.

```
mysql> SELECT name, owner FROM pet WHERE (species = 'dog' AND sex = 'm');
+-----+-----+
| name   | owner |
+-----+-----+
| Fang   | Benny |
| Bowser | Diane |
+-----+-----+
2 rows in set (0.00 sec)
```