Poistetaan pet-taulusta owner-kenttä. Lisätään sen tilalle viiteavain omistaja-tauluun.

```
mysql> ALTER TABLE pet DROP COLUMN owner;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> ALTER TABLE pet ADD COLUMN petID INT PRIMARY KEY AUTO INCREMENT;
Ouery OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> ALTER TABLE pet ADD COLUMN ownerID INT;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> ALTER TABLE pet ADD CONSTRAINT FOREIGN KEY(ownerID) REFERENCES
  -> owner(ownerID);
Query OK, 8 rows affected (0.04 sec)
Records: 8 Duplicates: 0 Warnings: 0
mysql> desc pet;
| Field | Type | Null | Key | Default | Extra
sex | char(1) | YES |
| birth | date | YES |
| death | date | YES |
                                NULL
NULL
 death | date
petID | int
                       | YES |
petID | int | NO | PRI | NULL
| ownerID | int | YES | MUL | NULL
                              PRI NULL
                                              | auto increment
7 rows in set (0.00 sec)
```

Syötetään omistajatiedot owner-tauluun:

```
mysql> INSERT INTO owner VALUES ( 'Harold','Lloyd','Someaddress 1',NULL);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO owner VALUES ( 'Gwen','Stefani','Someaddress 2',NULL);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO owner VALUES ( 'Benny','Hill','Someaddress 3',NULL);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO owner VALUES ( 'Diane','Keaton','Someaddress 4',NULL);
Query OK, 1 row affected (0.00 sec)
```

UPDATE lauseella määritetään eläinten omistajat:

```
mysql> UPDATE pet SET ownerID=3 WHERE name='Claws';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql>
mysql> UPDATE pet SET ownerID=1 WHERE name='Buffy';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql>
mysql>
uppate pet SET ownerID=4 WHERE name='Fang';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE pet SET ownerID=5 WHERE name='Bowser';
```

pet taulu:

mysql> desc pet;										
Field	Type	Null	Key	Default	Extra					
name species sex birth death petID ownerID	varchar(20) varchar(20) char(1) date date int int	YES YES YES YES YES NO YES	PRI MUL	NULL NULL NULL NULL NULL NULL NULL	 auto_increment					
++ 7 nove in a	o+ (0 00 coc)	+		+	++					

mysql> select * from pet -> ;										
name	species	sex	birth	death	petID	ownerID				
Fluffy Claws Buffy Fang Bowser Chirpy Whistler Slim	cat cat dog dog dog bird bird snake	f m f m m f NULL	1993-02-04 1994-03-17 1989-05-13 1990-08-27 1998-08-31 1998-09-11 1997-12-09 1996-04-29	NULL NULL NULL NULL 1995-07-29 2000-09-15 NULL NULL	1 2 3 4 5 6 7 8	1 3 1 4 2 3 3 4				

haetaan omistajan etunimi ja häneen yhdistetty lemmikin nimi: