

## Pet ja owner taulut

1. Owner taulun luominen ja pet-taulun muokkaaminen

```
mysql> CREATE TABLE owner
-> (
-> first_name varchar(255),
-> last_name varchar(255),
-> address varchar(255),
-> ownerID int PRIMARY KEY AUTO_INCREMENT
-> ) ;
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> ALTER TABLE pet DROP COLUMN owner;
```

```
mysql> ALTER TABLE pet ADD COLUMN petID INT PRIMARY KEY AUTO_INCREMENT;
```

```
mysql> ALTER TABLE pet ADD COLUMN ownerID INT
```

```
mysql> ALTER TABLE pet ADD CONSTRAINT FOREIGN KEY(ownerID) REFERENCES owner(ownerID);
```

2. Omistajatietojen syöttäminen owner-tauluun

```
mysql> INSERT INTO owner VALUES ( 'Emily','Fisher','PelicanTown 2',NULL);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO owner VALUES ( 'Shane','Struggle','PelicanTown 3',NULL);
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO owner VALUES ( 'Robin','Carpenter','PelicanTown 4',NULL);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO owner VALUES ( 'Linus','Camper','PelicanTown 5',NULL);
Query OK, 1 row affected (0.02 sec)
```

3. Lemmikkien määrittäminen omistajille

```
mysql> UPDATE pet SET ownerID=1 WHERE name='Merrill';
Query OK, 1 row affected (0.02 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE pet SET ownerID=3 WHERE name='Maiq the Liar';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE pet SET ownerID=2 WHERE name='Dogmeat';
Query OK, 1 row affected (0.02 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE pet SET ownerID=4 WHERE name='Barkspawn';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE pet SET ownerID=5 WHERE name='Awebo';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE pet SET ownerID=6 WHERE name='Shrock';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

#### 4. Kuvat pet ja owner tauluista

```
mysql> desc pet;
```

Field	Type	Null	Key	Default	Extra
name	varchar(29)	YES		NULL	
species	varchar(20)	YES		NULL	
sex	char(1)	YES		NULL	
birth	date	YES		NULL	
death	date	YES		NULL	
petID	int	NO	PRI	NULL	auto_increment
ownerID	int	YES	MUL	NULL	

```
7 rows in set (0.01 sec)
```

```
mysql> desc owner;
```

Field	Type	Null	Key	Default	Extra
first_name	varchar(255)	YES		NULL	
last_name	varchar(255)	YES		NULL	
address	varchar(255)	YES		NULL	
ownerID	int	NO	PRI	NULL	auto_increment

```
4 rows in set (0.01 sec)
```

```
mysql> SELECT * FROM owner;
```

first_name	last_name	address	ownerID
Hailey	Taylor	PelicanTown 1	1
Willy	Fisher	PelicanTown 2	2
Emily	Taylor	PelicanTown 2	3
Shane	Struggle	PelicanTown 3	4
Robin	Carpenter	PelicanTown 4	5
Linus	Camper	PelicanTown 5	6
Krobus	Shadow	Sewers	7

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

```
mysql> SELECT * FROM pet
-> ;
```

name	species	sex	birth	death	petID	ownerID
Merrill	cat	f	1993-02-04	NULL	1	1
Maiq the Liar	cat	m	1994-03-17	NULL	2	3
Dogmeat	dog	f	1989-05-03	NULL	3	2
Barkspawn	dog	m	1990-08-27	NULL	4	4
Barkdemon	dog	m	1998-08-31	1995-07-29	5	7
Awebo	bird	f	1998-09-11	2000-09-15	6	5
Shrock	bird	NULL	1997-12-09	NULL	7	6
Micah	snake	m	1996-04-29	NULL	8	NULL

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