

tehtävä 6

```
mysql> CREATE TABLE owner
-> (
-> name varchar(255),
-> ownerID int PRIMARY KEY AUTO_INCREMENT
-> );
Query OK, 0 rows affected (0.17 sec)
```

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

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

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

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

```
mysql> ALTER TABLE pet DROP COLUMN owner;
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> ALTER TABLE pet ADD COLUMN petID INT PRIMARY KEY AUTO_INCREMENT;
Query OK, 0 rows affected (0.14 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> ALTER TABLE pet ADD COLUMN ownerID INT;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> ALTER TABLE pet ADD CONSTRAINT FOREIGN KEY(ownerID) REFERENCES owner(ownerID);
Query OK, 8 rows affected (0.20 sec)
Records: 8 Duplicates: 0 Warnings: 0
```

```
mysql> UPDATE pet SET ownerID=1 WHERE name='Fluffy' OR name='Buffy';
Query OK, 2 rows affected (0.02 sec)
Rows matched: 2 Changed: 2 Warnings: 0
```

```
mysql> UPDATE pet SET ownerID=2 WHERE name='Claws' OR name='Chirpy' OR name='Whistler';
Query OK, 3 rows affected (0.02 sec)
Rows matched: 3 Changed: 3 Warnings: 0
```

```
mysql> UPDATE pet SET ownerID=3 WHERE name='Fang' OR name='Slim';
Query OK, 2 rows affected (0.01 sec)
Rows matched: 2 Changed: 2 Warnings: 0
```

```
mysql> UPDATE pet SET ownerID=4 WHERE name='Bowser';
Query OK, 1 row affected (0.02 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> DESC pet;
```

Field	Type	Null	Key	Default	Extra
name	varchar(20)	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 (0.00 sec)
```

```
mysql> DESC owner
```

```
-> ;
```

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

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

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

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

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

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

name	ownerID
Harold	1
Gwen	2
Benny	3
Diane	4

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