Viikko 3 teht 6. Pet ja Owner.

Luodaan owner taulu test db databaseen.

```
mysql> create table owner (first_name varchar(255), last_name varchar(255), address varchar(255), ownerID int PRIMARY KE
Y AUTO_INCREMENT);
Query OK, 0 rows affected (0.02 sec)
mysql> desc owner;
 Field
                              | Null | Key | Default | Extra
                               VES
 first_name | varchar(255)
                                             NULL
               varchar(255)
 last name
                               YES
                                             NULL
 address
               varchar(255)
                               YES
                                             NULL
 ownerID
                               NO
                                      PRI | NULL
                                                       auto_increment
4 rows in set (0.00 sec)
```

Muokataan pet taulua.

```
mysql> ALTER TABLE pet DROP COLUMN owner;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE pet ADD COLUMN petID int PRIMARY KEY AUTO_INCREMENT;
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE pet ADD COLUMN ownerID int;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE pet ADD CONSTRAINT FOREIGN KEY(ownerID) references owner(ownerID);
Query OK, 8 rows affected (0.06 sec)
Records: 8 Duplicates: 0 Warnings: 0
```

```
mysql> desc pet;
 Field
                       Null | Key | Default | Extra
       Type
          varchar(20)
                       YES
                                    NULL
          varchar(20)
                        YES
 species
                                    NULL
          char(1)
                        YES
                                    NULL
 sex
 birth
          date
                        YES
                                    NULL
 death
          date
                        YES
                                    NULL
 petID
          int
                       NO
                              PRI
                                    NULL
                                             auto increment
 ownerID | int
                      YES
                            MUL NULL
 rows in set (0.00 sec)
```

Lisätään omistajien tiedot

```
mysql> insert into owner values ('Harold','Lloyd','Someaddress 1',NULL);
Query OK, 1 row affected (0.01 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 (0.01 sec)

mysql> insert into owner values ('Diane','Keaton','Someaddress 4',NULL);
Query OK, 1 row affected (0.00 sec)
```

Yhdistettiin lemmikien tiedot omistajiin

```
mysql> update pet set ownerID=1 where name ='Fluffy';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> update pet set ownerID=2 where name ='Claws';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
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> update pet set ownerID=4 where name ='Fang';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> update pet set ownerID=3 where name ='Bowser';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> update pet set ownerID=2 where name ='Chirpy' or name='Whistler';
Query OK, 2 rows affected (0.01 sec)
Rows matched: 2 Changed: 2 Warnings: 0
mysql> update pet set ownerID=3 where name ='Slim';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

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