6. Pet ja owner

CREATE TABLE owner (owner_id INT AUTO_INCREMENT PRIMARY KEY, owner_name VARCHAR(20));

```
mysql> USE testdb;
Database changed
mysql> CREATE TABLE owner (owner_id INT AUTO_INCREMENT PRIMARY KEY, owner_name VARCHAR(20));
Query OK, 0 rows affected (0.04 sec)
```

ALTER TABLE pet ADD COLUMN pet_id INT NOT NULL PRIMARY KEY AUTO_INCREMENT;

```
mysql> ALTER TABLE pet ADD COLUMN pet_id INT NOT NULL PRIMARY KEY AUTO_INCREMENT;
Query OK, 0 rows affected (0.06 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

CREATE TABLE pet_owner (

pet_id INT, owner_id INT,

PRIMARY KEY (pet_id, owner_id),

FOREIGN KEY (pet_id) REFERENCES pet(pet_id),

FOREIGN KEY (owner_id) REFERENCES owner(owner_id));

```
mysql> CREATE TABLE pet_owner (
    ->
    -> pet_id INT,  owner_id INT,
    ->
    -> PRIMARY KEY (pet_id, owner_id),
    ->
    -> FOREIGN KEY (pet_id) REFERENCES pet(pet_id),
    ->
    -> FOREIGN KEY (owner_id) REFERENCES owner(owner_id));
Query OK, 0 rows affected (0.04 sec)
```

INSERT INTO owner (owner_name) SELECT DISTINCT owner FROM pet;

```
mysql> INSERT INTO owner (owner_name) SELECT DISTINCT owner FROM pet;
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

INSERT INTO pet_owner (pet_id, owner_id) SELECT pet.pet_id, owner.owner_id FROM pet JOIN owner ON pet.owner = owner.owner_name;

```
mysql> INSERT INTO pet_owner (pet_id, owner_id) SELECT pet.pet_id, owner.owner_id FROM pet JOIN owner ON pet.owner = owner.owner_name;
Query OK, 8 rows affected (0.00 sec)
Records: 8  Duplicates: 0  Warnings: 0
```

ALTER TABLE pet DROP COLUMN owner;

```
mysql> ALTER TABLE pet DROP COLUMN owner;
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

Lopputulos:

```
mysql> DESC owner;
+------------+-------------+------+-----+---------+----------------+
| Field      | Type        | Null | Key | Default | Extra          |
+------------+-------------+------+-----+---------+----------------+
| owner_id   | int         | NO   | PRI | NULL    | auto_increment |
| owner_name | varchar(20) | YES  |     | NULL    |                |
+------------+-------------+------+-----+---------+----------------+
2 rows in set (0.00 sec)
```

```
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    |                |
| pet_id  | int         | NO   | PRI | NULL    | auto_increment |
+---------+-------------+------+-----+---------+----------------+
```

```
mysql> DESC pet_owner;
+----------+------+------+-----+---------+-------+
| Field    | Type | Null | Key | Default | Extra |
+----------+------+------+-----+---------+-------+
| pet_id   | int  | NO   | PRI | NULL    |       |
| owner_id | int  | NO   | PRI | NULL    |       |
+----------+------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```