

```
1  -- remove (if exists), create, and use "DogKennel" database
2  DROP DATABASE IF EXISTS DogKennel;
3
4  CREATE DATABASE DogKennel;
5
6  USE DogKennel;
7
8  -- remove (if exists) and create the "Dog" table
9  DROP TABLE IF EXISTS `DOG`;
10 CREATE TABLE DOG(
11     DogID INT(11) PRIMARY KEY,
12     DogName VARCHAR(32) NOT NULL,
13     Breed VARCHAR(32) NOT NULL,
14     Gender VARCHAR(32) NOT NULL,
15     Shots TINYINT NOT NULL,
16     DateOfBirth datetime NOT NULL,
17     DogStatus VARCHAR(255) NOT NULL,
18     FatherID INT(11) NULL,
19     MotherID INT(11) NULL
20 );
21
22 ALTER TABLE `DOG`
23     DROP CONSTRAINT IF EXISTS FK__DOG__FatherID;
24
25 ALTER TABLE `DOG`
26     ADD CONSTRAINT FK__DOG__FatherID
27     FOREIGN KEY (FatherID)
28     REFERENCES DOG (DogID);
29
30 ALTER TABLE `DOG`
31     DROP CONSTRAINT IF EXISTS FK__DOG__MotherID;
32
33 ALTER TABLE `DOG`
34     ADD CONSTRAINT FK__DOG__MotherID
35     FOREIGN KEY (MotherID)
36     REFERENCES DOG (DogID);
37
38 -- remove (if exists) and create "CLIENT" table
39 DROP TABLE IF EXISTS `CLIENT`;
40 CREATE TABLE CLIENT
41 (
42     ClientID          INT(11)          PRIMARY KEY,
43     ClientName        VARCHAR(32) NOT NULL,
44     ClientAddress     VARCHAR(80) NOT NULL,
45     PhoneNum          VARCHAR(32) NOT NULL
46
```

```
47 );
48
49 -- remove (if exists) and create "PURCHASE" table
50 DROP TABLE IF EXISTS `PURCHASE`;
51 CREATE TABLE PURCHASE(
52     PurchaseID INT(11) NOT NULL PRIMARY KEY ,
53     DateOfPurchase DATE NOT NULL,
54     TimeOfPurchase TIME NOT NULL,
55     Subtotal FLOAT NOT NULL,
56     Total FLOAT NOT NULL,
57     ClientID INT(11) NOT NULL,
58     DogID INT(11) NOT NULL
59 );
60
61 ALTER TABLE `PURCHASE`
62     DROP CONSTRAINT IF EXISTS FK__CLIENT__ClientID;
63
64 ALTER TABLE `PURCHASE`
65     ADD CONSTRAINT FK__CLIENT__ClientID
66     FOREIGN KEY (ClientID)
67     REFERENCES CLIENT (ClientID);
68
69 ALTER TABLE `PURCHASE`
70     DROP CONSTRAINT IF EXISTS FK__DOG__DogID;
71
72 ALTER TABLE `PURCHASE`
73     ADD CONSTRAINT FK__DOG__DogID
74     FOREIGN KEY (DogID)
75     REFERENCES DOG (DogID);
```