

```
1
2  -- create the database
3  DROP DATABASE IF EXISTS DogKennel;
4  CREATE DATABASE DogKennel;
5
6  USE DogKennel;
7
8  -- create the tables
9  DROP TABLE IF EXISTS Dog;
10 CREATE TABLE Dog (
11     DogID CHAR(8) PRIMARY KEY,
12     Name VARCHAR(32) NOT NULL,
13     Breed VARCHAR(32) NOT NULL,
14     FatherID CHAR(8) NULL,
15     MotherID CHAR(8) NULL,
16     Gender VARCHAR(32) NOT NULL,
17     Shots TINYINT NOT NULL,
18     Birth DATE NOT NULL,
19     Status VARCHAR(60) NOT NULL
20 );
21
22 ALTER TABLE Dog
23     DROP CONSTRAINT IF EXISTS FK_Dog_FatherID;
24 ALTER TABLE Dog
25     ADD CONSTRAINT FK_Dog_FatherID
26     FOREIGN KEY (FatherID)
27     REFERENCES Dog (DogID);
28
29 ALTER TABLE Dog
30     DROP CONSTRAINT IF EXISTS FK_Dog_MotherID;
31 ALTER TABLE Dog
32     ADD CONSTRAINT FK_Dog_MotherID
33     FOREIGN KEY (MotherID)
34     REFERENCES Dog (DogID);
35
36 DROP TABLE IF EXISTS Client;
37 CREATE TABLE Client(
38     ClientID INT PRIMARY KEY,
39     Name VARCHAR(32) NOT NULL,
40     Address VARCHAR(255) NOT NULL,
41     PhoneNumber CHAR(10) NOT NULL
42 );
43
44 DROP TABLE IF EXISTS Purchase;
45 CREATE TABLE Purchase(
```

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46     DogID CHAR(8) NOT NULL,
47     ClientID INT NOT NULL,
48     Date DATE NOT NULL,
49     Price FLOAT NOT NULL
50 );
51
52 ALTER TABLE Purchase
53     DROP CONSTRAINT IF EXISTS PK_Purchase;
54 ALTER TABLE Purchase
55     ADD CONSTRAINT PK_Purchase
56     PRIMARY KEY (DogID, ClientID);
57
58 ALTER TABLE Purchase
59     DROP CONSTRAINT IF EXISTS FK_Dog_DogID;
60 ALTER TABLE Purchase
61     ADD CONSTRAINT FK_Dog_DogID
62     FOREIGN KEY (DogID)
63     REFERENCES Dog (DogID);
64
65 ALTER TABLE Purchase
66     DROP CONSTRAINT IF EXISTS FK_Client_ClientID;
67 ALTER TABLE Purchase
68     ADD CONSTRAINT FK_Client_ClientID
69     FOREIGN KEY (ClientID)
70     REFERENCES Client (ClientID);
```