

TODO

- Create a new project. Run the sqlite3.exe tool.
- Write "initPets.sql" SQL script
- Create Pets.py
 - printCustomers()
 - oneDogNoCats()
 - oneTypeOfPet()
 - moreThanSixCats()
 - moreThanTenPets()



initPets.sql

```
DROP TABLE PETS;
CREATE TABLE PETS (
  name VARCHAR(20),
  cats INT,
 dogs INT
);
INSERT INTO PETS values('Jan',
                                 17,0);
INSERT INTO PETS values('Stacy', 2,1);
INSERT INTO PETS values('Paul',
                                  0,1);
INSERT INTO PETS values('Tim', 0,1);
INSERT INTO PETS values('Angelina', 4,0);
INSERT INTO PETS values('Dail', 6,6);
INSERT INTO PETS values('Robin',
                                 0,3);
INSERT INTO PETS values('Bobby', 4,8);
INSERT INTO PETS values('Kim', 8,8);
INSERT INTO PETS values('Jacob',
                                  2,0);
```

```
import sqlite3
```

Pets.py

```
def printCustomer(row):
    print(row[0]+" has "+str(row[1])+" cats and "+str(row[2])+" dogs.")
def printCustomers():
    conn = sqlite3.connect("pets.sqlite")
    try:
        c = conn.cursor()
        c.execute("select name, cats, dogs from pets")
        rows = c.fetchall()
        for r in rows:
            printCustomer(r)
    finally:
        conn.close()
def printBenjiWinners(): # 1 dog and 0 cats
    print("Benji Winners:")
    conn = sqlite3.connect("pets.sqlite")
    try:
        c = conn.cursor()
        c.execute("select name, cats, dogs from pets where dogs=1 and cats=0")
        rows = c.fetchall()
        for r in rows:
            printCustomer(r)
    finally:
        conn.close()
```

Pets.py

```
def printOneWayWinners(): # One type of pet
   print("One-Way Winners:")
   conn = sqlite3.connect("pets.sqlite")
    try:
       c = conn.cursor()
        c.execute("select name, cats, dogs from pets where (dogs=0 or cats=0) and (dogs>0 or cats>0)")
        rows = c.fetchall()
        for r in rows:
            printCustomer(r)
    finally:
        conn.close()
def printCatLadyWinners(): # More than 6 cats
    print("Cat-Lady Winners:")
    conn = sqlite3.connect("pets.sqlite")
   try:
       c = conn.cursor()
        c.execute("select name, cats, dogs from pets where cats>6")
        rows = c.fetchall()
        for r in rows:
            printCustomer(r)
    finally:
        conn.close()
```

Pets.py

```
def printZooKeeperWinners(): # More than 10 pets
    print("Zoo-Keeper Winners:")
    conn = sqlite3.connect("pets.sqlite")
    try:
        c = conn.cursor()
        c.execute("select name, cats, dogs from pets where (cats + dogs > 10)")
        rows = c.fetchall()
        for r in rows:
            printCustomer(r)
    finally:
        conn.close()
```