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import os, pickle

# user input to build a dictionary
# dictionary with a list

def open_file():
    try:
        file_object = open('animalsx.pydata', 'rb')
        animalsx = pickle.load(file_object)
        file_object.close()
    except:
        # return an empty dictionary not an array
        animalsx = {}
    return animalsx

def close_file():
    try:
        file_object = open('animalsx.pydata', 'wb')
        pickle.dump(animalsx, file_object)
        file_object.close()
        print("\nSuccess! Your rando 2nd animal list has been saved\n")
    except Exception as e:
        print(e)
        print("\n\tSorry, something went wrong and the list is not saved")

def print_list():
    if len(animalsx) > 0:
        for animal in animalsx:
            print("\nHere are the details about this animal: %s" % animal)
            # index & enumerate lets you keep track of which item in the you have
            for index,detail in enumerate(animalsx[animal]):
                if (index == 0):
                    print("\tHere is the name: %s" % detail)
                elif (index == 1):
                    print("\tThe color is %s" % detail)
                    # no need to check index if this is the last case
                else:
                    print("\tThis animal is described as %s" % detail)
            else:
                print("There is nothing here yet")

# main
# if file is there open and load else create empty dictionary

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animalsx = open_file()

# control the looping
flag = True
# this will keep running until flag = False
while flag:
    a_type = input("\nType of animal? ")
    a_name = input("What is the name of this animal? ")
    a_color = input("What color is the animal? ")
    a_temp = input("What is the animal's temperament? ")

    # this updates the dictionary with a new entry: key + list of values
    animalsx.update({a_type : [a_name, a_color, a_temp]})
    # ask for more?
    finish_check = input("Are you done? Enter 'y' or 'n' ")
    finish_check = finish_check.lower()
    if (finish_check == 'y'):
        flag = False;

# finish up

close_file()
print_list()
```