ITEC 3150

Binary File I/O In-Class Assignment

**Part I:** DataOutputStream and DataInputStream

Given the files in the previous in-class exercise: Pet.java, Cat.java, Dog.java and Other.java.

1. Using DataOutputStream, write a Java program ***CreatePets1.java*** that does the following:
   1. Create three instances of pets, one dog, one cat and one other.
   2. Writes their attributes to a file named pets1.dat. Write the dog’s attribute first, then the cat’s, and the last the other’s.
2. Write a second program ***ReadPets1.java*** that reads from pets1.dat using DataInputStream, recreates those pet objects and prints them to the console using System.out.println and the toString methods.

**Part II:** ObjectOutputStream and ObjectInputStream

Repeat the above tasks, but using ObjectOutputStream and ObjectInputStream. You may modify Pet.java (if you do- turn it in to the Assignment box.) Please use file names ***CreatePets2.java*** and ***ReadPets2.java***

Zip all your files and upload the zip file to the D2L dropbox for the assignment.