

Question 1:

Using the abstract base class Pet in the previous exercise.

<<Abstract>> Pet
-name: String -breed:String -weight:double
+Pet(name: String, breed:String, weight:double) +setName(String name) +getName():name +getWeight():double +display():void +sound() +eat()

Note: *display()*, *sound()* and *eat()* are abstract method()
And two child class Dog and Cat that extends Pet

Dog
-microchipped:boolean
+Dog(name: String, breed:String, weight:double, microchipped:boolean) +sound() +eat(String food) +eat() +display()

Cat
+Cat(name: String, breed:String, weight:double) +sound() +eat() +display()

Create a pets csv file with the following content

```
1 Dog, Snoppy, Beagle, 50, true
2 Cat, Garfield, Persian, 40
```

Read the pets.csv, map each record to either a cat or dog object.

Serialize the pets objects into a file.

Read back the pets objects from the serialised file and display all the pets..