Spring Framework

Training Assignment

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RECORD OF CHANGES

No	Effective Date	Change Description	Reason	Reviewer	Approver
1	01/May/2019	Create a new assignment	Create new	DieuNT1	VinhNV
2	10/Jul/2019	Update: rename	Update	DieuNT1	VinhNV

Contents

FRESHER ACADEMY	CODE	:	JWD.S.A101 (ref JSFW.M.A101)
	TYPE	:	Short
	LOC	:	N/A
	DURATION	:	120 minutes

Unit 1: Spring Core

Objectives:

After finishing the following exercises, trainees will:

1. Understand and practice with OOP, IO

2. Understand and practice with Spring core (IoC, DI)

Problem Descriptions:

Write a class named **Pet.java** implements **Serializable** has:

    a. Three attributes**: String name, String type, int age**.

    b. One constructor with all attributes as parameter.

    c. One function: void **makeNoise**(). For example: the cat named Mowzer will print **" Mowzer cat says meow"**

    d. Override **toString()** method follow as:

```
@Override
public String toString() {
   return "Pet [type=" + type + ", name=" + name + ", age=" + age + "]";
}
```

Write a class named **IOService.java** has:

    a. Function **void savePest(List<Pet> pets)** will save list pets in parameter to file named **pets.txt.**

    b. Function **List<Pet> getPets()** will read file **pets.txt** and return content as list of pets.

Write a class named **Test.java** has:

    c. Attribute **IOService iOService**;

    d. A main method, you should:

        a. Create a list of pets and call method **savePet()** from **IOService** to save this list to file **pets.txt**

        b. Call method **getPets** to get list saved pet, loop in this list and call **makeNoise**() method.

*Notice: Create bean for class **IOService** and inject value for attribute **iOService** of class **Test.java**.*

Technical Requirements:

- JDK 1.8 +

- Maven 3 +

-- THE END --