CSE1030 Lab 05

Thursday, July 24, 2014
Due: Monday, July 28, 2014, before 17:00

Introduction

The goals of this lab are to implement several small classes illustrating the concept of inheritance in Java.

You will need to implement the following features in your class:

- constructors
- accessor methods
- mutator methods
- `toString` methods

Implement mutable Person, Student and Instructor classes

Implement three classes representing persons, students and instructors named **Person, Student**, and **Instructor**, respectively, according to the APIs provided.

Create a separate class `TestInheritance` to test your classes.

In eclipse:

1. Create a new Java Project (perhaps called `lab5`)
2. In your project, create a new Package named `L5`
3. In the package `L5` create new Java classes named **Person, Student**, and **Instructor**.
4. Complete the classes, so that they implements the API given separately.
5. Finally, create a main function in the `TestInheritance` class that demonstrates how your code works, all methods, etc. Use your own judgment for that.

Submit

Submit your solution using the `submit` command. Remember that you first need to find your workspace directory, then you need to find your project directory.

```
submit 1030 L5 Person.java Student.java Instructor.java TestInheritance.java
```

Alternatively, you may use the web form at
`https://webapp.eecs.yorku.ca/submit/index.php`

Some things to think about

- Is there a reason to duplicate course lists between students and instructors?