**44-542 Object-Oriented Programming**

**Lab11: Recursion Lab**

Worksheet1: **“RecursionTracingProblems.docx “**

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1. Follow the instructions provided in the worksheet.
2. Save the file as ***Lastname*\_Lab11RecursionTracingProblems.docx.**

Worksheet2: **“RecursionLab.docx”**

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1. Create a project and name it as ***Lastname*\_Lab11Recursion** where Lastname is your last name.
2. Create a package and name it as **recursion.**
3. Create a class and name it as **Student**. It contains a private instance variable **fname.** Write a constructor, which initializes the private instance variable. Write a getter, setter for the private instance variable and **toString()** methodwhich returns **fname.**
4. Create a class and name it as **Recursion**.
5. Now follow the instructions provided in worksheet and complete the worksheet as per instructions.
6. Create a main class, name it as **RecursionDriver**,and test the methods of **Recursion** class.

**Submit your solution by following the steps below:**

* Save your files in **NetBeans**.
* Zip your entire Project. (It should be called ***Lastname*\_Lab11Recursion**.zip where the **Lastname** is your last name.) along with ***Lastname*\_Lab11RecursionTracingProblems.docx** document.
* Submit the Zip file to the **Lab11Recursion** dropbox.
* Download the Zip file you have submitted.
* Look in the Zip file and verify the class files and worksheet solution document. If not, resave your project in **NetBeans** and resubmit.