CSCE 145 Program5 Name:

Java Program: File System

Setup

Be sure Java and Eclipse are installed.
 Name it (with no spaces):
 Program5 Yourlastname Yourfirstname

 name it the exact same as the project

4. Import the following: import java.util.Scanner; import java.io.PrintWriter;

import java.io.FileNotFoundException; import java.io.FileOutputStream;

import java.io.File;

Lab

- 1. Create a class named FileSystem; create methods in this class for each step below:
 - a. Create another file
 - i. ask the user to enter the name of a text file (.txt) and create that file
 - b. Write over text of an existing file
 - i. ask the user to enter the name of a text file (.txt)
 - ii. ask the user to enter a line of text for the file
 - iii. write that text to the file
 - c. Append (add to the end) text to a file
 - i. ask the user to enter the name of a text file (.txt)
 - ii. add that text to the file, keep the original text
 - d. Print text from a file
 - i. ask the user to enter the name of a text file (.txt)
 - ii. open the file and print the text in it to the screen
 - e. Exit program
 - i. print exiting message then exit program
- 2. In the main method create an interface that asks the user what they want to do from the FileSystem methods above
 - a. the options need to be in a loop to allow them to continue any of the choices above until they exit
 - b. each choice needs to be a method call to FileSystem
 - c. the user must be able to type in any file name
- 3. Each opening of a filestream will have to be in a try catch
 - a. Errors should be handled by telling the user the error and sending them back to the choices in #2

Use proper and clear comments/usually one comment per section of code, explain each step, pick proper variable types and use clear names for variables and methods. Include the following at the **TOP OF EACH YOUR CLASSES**:

Name: Your NameSchool: USC SumterAssignment: Program5Class: CSCE 145Semester: current semester and yearDate: date turned in

Grading:

Function: objectives met (all options work and can be repeated over and over again)	60%
Exceptions: proper handling when opening file streams (try catch blocks) and returning user to options	20%
Organization: doc, code (variable & method names)	10%
Style: clear explanation (messages to user)	10%