CSCI 1301 – Programming Principles I
Georgia Southern University
Department of Computer Science
Fall 2024

Lab 1
Point Value: 20 points
Due: Friday August 16, 2024, end of lab

Objectives
1. Create a new Java project and class
2. Create an appropriate program for outputting simple messages to the console.
3. Archive Java source code files and other documents into a zip file.

Description
Complete the following steps as described and upload requested materials to Folio in the appropriate dropbox in a single zip file.

- Students should work in groups of two for this lab. When submitting your zip file, fill out the comment header and indicate both group member names.

- Your submitted zip file should be named Lab#LastName1LastName2.zip. For instance, Lab1JonesSmith. Any requested screenshots and/or answers to questions should be included in a separate Word document.

- All programs should have a comment header. That comment header should include information similar to:

```
/**
 * File: PAssign0.java
 * Class: CSCI 1301
 * Author: Christopher Williams
 * Created on: Jun 6, 2016
 * Last Modified: Aug 16, 2018
 * Description:  Display three messages to the console
 */
```

- Before writing any code, for each problem, discuss with your partner how you plan to approach solving the given problem. Once you both agree on a way to attempt the problem, only then should code be written.

- Pay attention to names and any other requested material. Failure to include material will result in the loss of points as described below.

Lab Problems
For all problems, use inline comments to describe major actions. Ask for assistance if needed.

0. Gradescope
   All labs and projects will be submitted to Gradescope. Access Gradescope through Folio and your student email will be automatically associated with an account.

   TASK: Start this lab by reading the document in Folio titled "Understanding the Gradescope Autograder."

1. Eclipse Workspace, Project Creation, and Class Creation
   TASK: Open Eclipse and choose a location for your workspace if you do not already have one. Create a new Java project and name it "Lab01". Create a new Java class named PAssign00.java with no package (delete any package text from the new class wizard and ignore any warnings). Be sure to pay attention to case (lower vs. upper), spelling, and all instructions.

2. Java Output
   TASK: Read the PAssign00 project description **in Folio** under the Programming Assignments module. After reading the description, complete the PAssign00 Checklist **in Gradescope**.

   Once both of those are done, create a main method (review the HelloWorld.java file if you do not remember the main method header) and add code to generate the output in the project description. Be sure to include a comment header as described on page 1 of this lab. This comment header should come before the main method at the top of the file.

   When you have the file named correctly, a completed comment header, and an empty correct main method header, move on to Problem 3.

3. Gradescope Submission
   TASK: Using your empty main method, attempt to solve the problem outlined in the PAssign00 project description you read in Problem 2. Each time you think you have a working submission, submit your .java file to the Gradescope assignment submission for PAssign00. Use the provided errors and the document read in Problem 0 to fix your submission until you pass all tests.

   It may help to use a utility like https://diffchecker.com to compare your output to the expected output until your program can pass all tests.

   Show a working submission of this program to the instructor or TA before moving on.

4. Demonstrate all working programs to the instructor to receive credit for each problem. Turn in each problem inside the zip file detailed below.

5. Name the zip file Lab1LastName1LastName2.zip (e.g. Lab1JonesSmith) and submit that zip file to Folio. Both students must submit the exact same zip file for either to receive a grade.

Grade Breakdown

Demonstrate running application to instructor:	
Problem 2, including comment headers	15 points
Problem 3	0 points, mandatory
Zipped source files (in Folio):	5 points
Total Possible:	20 points

Last modified: August 14, 2024