COP-2210 – Lab 11

Objective

Students will be able to develop Java programs that require the definition and use of class methods and passing/returning arrays, by implementing exercises that involve method definition, method calls, array parameters definition, and appropriate class definition.

Guidelines

- The assignment is to be completed in pairs.
- Questions are based on content discussed in the Lecture and book readings.
- NetBeans is the IDE of choice.
- Students are expected to attend each lab session and actively participate in the lab activities.
- Lab should be completed and submitted by the end of the lab time. Extra time would be considered on a case by case analysis and last day to submit would be Friday.
- To submit, upload your lab solutions to the dropbox in Canvas.
- Make sure you include the information of the developers as a comment in the first lines of each program of the lab:

Student Name: _____ Student Name: _____
Panther ID: _____ Panther ID: _____
Week: _____
Section: _____

Lab Questions

Often in a professional environment, software is not developed totally from scratch, but must be designed to be embedded into already existing code. In our lab today, you must use preexisting code to write your solution to the given tasks.

Given an array, write methods that perform the following tasks:

1. Populate the first n locations of the array
2. Print elements of the array between two locations
3. Print in reverse elements of the array between two locations
4. Count the number of occurrences of an element
5. Copy the array

A complete program that contains templates for each method is given in the Lab11_01.java file. Your task is to complete the bodies of each method.

Grading Rubric

Lab grade is 16 points (out of 1000 total course points). Question weights are as follows:

Question	Points
1	2 pts
2	3 pts
3	3 pts
4	4 pts
5	4 points

Answers will be graded based on correctness, completion, and organization.