

## COP-2210 – Lab 2

### Objective

Students will be able to understand and master working with fundamental data types, including input, output and basic operations, by developing programs that address various problems.

### 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

The lab involves completing a number of questions from the Chapter 4 of our textbook.

1) Write a program that:

- a) asks the user to enter his/her email address and his/her postal address,
- b) stores the email address in *email*, a String variable, and the postal address in *postalAddress*, a String variable,
- c) concatenates the values of *email* and the value of *postalAddress*, and assign the result to *output*, a String variable,
- d) prints the value of *output*.

3) Write a program that prompts the user for two doubles and then prints their average.

2) **E4.1** Write a program that displays the dimensions of a letter-size (8.5 × 11 inches) sheet of paper in millimeters. There are 25.4 millimeters per inch.

4) **A variation of Exercise E4.8** Write a program that asks the user for the lengths of a rectangle's sides. Then print the area and the perimeter of the rectangle.

### Grading Rubric

Lab grade is 10 points (out of 1000 total course points). Question weights are as follows:

Question	Points
1	3 pts
2	2 pts
3	2 pts
4	3 pts

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