

Lab 8

Instructions: Complete the steps below. Be sure to show your code to one of the lab TAs before you leave, so that you can receive credit for this lab. You must also upload a copy of all your source code (.java) files to the link on Blackboard by **11:59 PM on Monday September 28, 2020 for L01, L02, L03, L05** and by **11:59 PM on Thursday September 24, 2020 for L06, L07, L08 and L09**.

1. Write down a program that generates 10 random integers in the range from 0 to 100 (excluding 100). This program should compute the average value of these 10 random integers. Please use a double variable for computing the average value.
2. Write a program that prompts the user to enter three cities and displays them in ascending order. Here is a sample run:

Enter the first city: Chicago
Enter the second city : Los Angeles
Enter the third city : Atlanta

The three cities in alphabetical order are: Atlanta Chicago Los Angeles

Grading Guidelines: This lab is graded on a scale of 0-6 points, assigned as follows:

- **0 points:** Student is absent or does not appear to have completed any work for the lab
- **2 point (2*1):** Student has written the program, but it has errors.
- **4 points (2*2):** Student has written the program it compiles without error, but it does not produce the correct output.
- **6 points (2*3):** Student has written the program and it compiles and runs correctly, without any errors.