CS 1050, Mr. Kramer Assignment #11 # of points: 40

Purpose: Work with ArrayLists: sum and average ArrayList entries.

Due Date At the final exam. Cannot be resubmitted.

Submissions In this order: printed copy of the source code with line numbers, and a screen print.

Java Topics ArrayLists, methods.

References Textbook – use the index for relevant topics. Programming standards and guidelines we’ve established. Toolkit.java

Specification

Write a Java program that:

1. Performs these steps until the user enters a 0.

a. Read an integer value from the console.

b. Add the value to an ArrayList.

2. After the user enters a 0, processes the ArrayList as follows:

a. Calculate the total of the values entered

b. Calculate the average of the values entered. The “0” that ends the input does not count in the number of entries. Ensure you handle the case of no entries correctly.

c. Output to the console, with appropriate messages, the number of values read, the total and the average.

Before you run your program to create the screen print, clear the screen print area and show all the dialog from the first entry to the last message. Your dialog should show:

a. At least five numbers entered.

b. The average formatted to two decimal places.

Write the program as one main method or use a few methods, at your discretion.