Arrays using Java ArrayList

Using Java *ArrayList* write a program that will ask a user to enter 10 numbers and load all the numbers into Java *ArrayList*. Sort the array in ascending order and display all values on screen. The program should also display the smallest, the largest, the sum, and the average value.

Please submit the following two items to your instructor.
1. The program source code (the .java file)
2. The program output

Points will be given based on the following requirements:

1. The assignment meets the program prerequisites as specified in the question. Your program executes without errors, runs accordingly, and produces correct output.

2. Your program includes overall documentation; i.e. explain what the program is attempting to do; function documentations; complex code documentation. Your program follows the standard practice programming style: i.e. code indentation, spacing between block of codes, functions, and uses meaningful variable names. Your program applied the best possible programming logic approach: i.e. the logic flow of your program is rational and coherent.

3. Did you submit the following required files; your source code program file (.java file), and your program output file? Was the program output presented/displayed in readable and meaningful fashions.