Assignment Chapter 6 Randall Fishwick

CO SCI 124

Python Programming

# Average of Numbers

def main():

# Local variables

counter = 0

number = 0

total = 0

average = 0.0

try:

# Open input file

inputFile = open('numbers.txt', 'r')

# Read inputFile and total numbers

for line in inputFile:

number = int(line) # Get line from InputFile

counter += 1

total += number

# Close the file

inputFile.close()

# Calculate the average

average = total / counter

# Display Integer Count and Total Numbers

print('Integers read:', format(counter, ','))

print('Total:', format(total, ','))

# Display the average of all the numbers in the file

print('Average:', format(average, ',.3f'))

except IOError:

print('An error occurred while trying to read the file.')

except ValueError:

print('A Non Integer or Non Numeric value found in the file')

except:

print('An error occurred')

# Call the main function.

main()

