**Pseudocode:**

// Constant to hold the number size.

Constant integer SIZE = 5

// Declare an input file.

Declare InputFile myFile

// A variable to hold a number that is read from the file.

Declare Real number

// Counter variable for the loop.

Declare Integer count

// Accumulator to hold the total numbers,

// initialized to 0.

Declare Real total = 0

// A variable to hole the average.

Declare Real average

// open the numbers.dat file.

Open myFile “numbers.dat”

Display “Here are the numbers:”

// Read all of the numbers in the file, display them,

// calculate their total.

For count = 1 to SIZE

// Read a number.

Read myFile, number

// Display the number.

Display number

// Add number to total

Set total = total + number

End For

// Calculate the average.

Set average = total / SIZE

// Close the file.

Close myFile

// Display the total and the average.

Display “The total is ”, total, “ .”

Display “The average is ”, average, “ .”

Declare OutputFile AppendMode numberFile

Open numberFile “numbers.dat”

Write numberFile “The total is ”, total, “ .”

Write numberFile “The average is ”, average, “ .”

Close numberFile