Module main()

// Declare and initialize all local variables

Declare string endProgram = n

Declare integer totalScores = 0

Declare Real averageScores = 0

Declare integer score = 0

Declare integer number = 0

Declare integer counter = 1

// Loop to run program again

While endProgram == n

//reset variables

totalScores = 0  
averageScores = 0

counter = 1

score = 0

//calls functions

Call getNumber(number)

Call getScores(totalScores, number, score, counter)

Call getAverage(totalScores, number, averageScores)

Call printAverage(averageScores)

Display “Do you want to end the program? (y/n)”

Input endProgram

End While

End Module

Module getNumber(Integer Ref number)

Display “How many students took the test: “

Input number

End Module

Module getScores(Real Ref totalScores, Integer number, Real score,

Integer counter)

For counter <= number

Display “enter their score: “

Input score

Set totalScores = totalScores + score

End For

End Module

Module getAverage(Real totalScores, Integer number,

Real Ref averageScores)

Set averageScores = totalScores / number

End Module

Module printAverage(Real averageScores)

Display “The average test score is “, averageScores

End Module