# CLASS AVERAGE PSEUDOCODE

// Declare an array of integers called grades with a size of 10

int grades[10]

// Declare three integers i, average, and total

int i, average, total

// Use a for loop to prompt the user to enter 10 grades and store them in the grades array

for i = 0 to 9

print "Enter grade " + (i+1) + ":"

read grades[i]

// Call the calculate\_average function and pass the grades array and the number of grades as arguments

average = calculate\_average(grades, 10)

// Print the class average to the console

print "class average: " + average

// Define the calculate\_average function that takes two arguments: an array of integers grades and an integer num\_grades

function calculate\_average(int grades[], int num\_grades)

// Declare two integers i and total

int i, total = 0

// Use a for loop to iterate over the grades array and add each grade to the total

for i = 0 to num\_grades-1

total = total + grades[i]

// Return the average of the grades as an integer

return total / num\_grades