# Pseudocode for Class Average program

Begin

// Declare necessary variables and arrays

int grades[10]

int i

int average

// Function to calculate average of grades

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

total = 0

// Loop through each grade and sum them up

for i = 0 to num\_grades - 1

total = total + grades[i]

// Return the calculated average

return total / num\_grades

// Main program

function main()

// Initialize an array to store grades

for i = 0 to 9

// Prompt the user to input grades

output "Enter grade ", i+1, ":"

input grades[i]

// Call the calculate\_average function

average = calculate\_average(grades, 10)

// Display the calculated average

output "Class average: ", average

// End of program

return 0