Initialize Lists gasConsumedPerTank, milesDrivenPerTank, gasMileagePerTank

Initialize string cont, int counter, float averagemileage

Initialize scanner object

Prompt user for input for gas consumed for each tank

WHILE(TRUE)

Prompt user again

Assign user input to String variable that is then parsed as a float and added to list of gas consumed per tank.

Ask user if they would like to continue. If “N” is entered, while break;

ENDWHILE

Prompt user for miles driven per tank

WHILE(TRUE)

Increment counter

Prompt user again for miles driven per tank

Assign user input to the List for miles driven per tank

Break if counter == gasConsumedPerTank.size()

FOR(0 to gasConsumedPerTank.size())

Calculate mileage of tank at index i

Add mileage of that tank to list containing values for gas mileage per tank.

ENDFOR

FOR(mileage in gasMileagePerTank)

Sum mileage of each tank based on elements in gasMileagePerTank, assigning it to averageMileage

ENDFOR

Calculate average gas mileage, assigning it to averageMileage

Print “The average mileage per tank is: “ + averageMileage