Debug 02-01

// This pseudocode segment is intended to compute and display

// the average grade of three tests

start

declarations

num test1

num test2

num test3 // declared 2 variables with same name

num average

output "Enter score for test 1” //left off end quotes

input test1

output "Enter score for test 2 "

input test2

output "Enter score for test 3 "

input test3

average = (test1 + test2 + test3) / 3 // add parenthesis to make arithmetic correct

output "Average is ", average // undeclared variable, changed to correct variable

end

Debug 02-02

// This pseudocode segment is intended to compute and display

// the average grade of three tests for any number of students.

// The program executes until the user enters a negative value

// for the first test score.

start

declarations

num test1

num test2

num test3

num average

housekeeping()

while test1 >= 0

mainLoop()

endwhile

endOfJob()

stop

housekeeping()

output "Enter score for test 1 or a negative number to quit"

Input test1 // left out input

return

mainLoop()

output "Enter score for test 2"

input test2

output "Enter score for test 3" // left out test3

input test3

average = (test1 + test2 + test3) / 3

output "Average is ", average

output "Enter score for test 1 or a negative number to quit"

input test1 // undeclared variable

return

endOfJob()

output "End of program"

return

Debug 02-03

// This pseudocode segment is intended to compute and display

// the cost of home ownership for any number of users

// The program ends when a user enters 0 for the mortgage payment

start

declarations

num mortgagePayment

num utilities

num taxes

num upkeep

num total

startup()

while mortgagePayment not equal to 0

MainLoop()

endwhile

finishUp()

stop

startup() // inconsistent naming

output "Enter your mortgage payment or 0 to quit"

input mortgagePayment // undefined variable

return

mainLoop()

output "Enter utilities"

input utilities

output "Enter taxes"

input taxes

output "Enter amount for upkeep"

input upkeep

total = mortgagePayment + utilities + taxes + upkeep

output "Total is ", total

output "Enter your mortgage payment or 0 to quit"

input mortgagePayment // incomplete while loop

return

finishUp()

output "End of program"

return