

Pseudocode is an artificial and informal language that helps programmers develop algorithms. Pseudocode is a "text-based" detail (algorithmic) design tool.

The rules of Pseudocode are reasonably straightforward. All statements showing "dependency" are to be indented. These include while, do, for, if, switch. Examples below will illustrate this notion.

Examples:

1.. If student's grade is greater than or equal to 60

 Print "passed"

else

 Print "failed"

2. Set total to zero

Set grade counter to one

While grade counter is less than or equal to ten

 Input the next grade

 Add the grade into the total

Set the class average to the total divided by ten

Print the class average.

3.

Initialize total to zero

Initialize counter to zero

Input the first grade

while the user has not as yet entered the sentinel

 add this grade into the running total

 add one to the grade counter

 input the next grade (possibly the sentinel)

if the counter is not equal to zero

 set the average to the total divided by the counter

 print the average

else

 print 'no grades were entered'

4.

initialize passes to zero

initialize failures to zero

initialize student to one

while student counter is less than or equal to ten

 input the next exam result

 if the student passed

 add one to passes

 else

 add one to failures

add one to student counter

print the number of passes

print the number of failures

if eight or more students passed

 print "raise tuition"

Some Keywords That Should be Used

For looping and selection, The keywords that are to be used include Do While...EndDo; Do Until...Enddo; Case...EndCase; If...Endif; Call ... with (parameters); Call; Return; Return; When; Always use scope terminators for loops and iteration.

As verbs, use the words Generate, Compute, Process, etc. Words such as set, reset, increment, compute, calculate, add, sum, multiply, ... print, display, input, output, edit, test , etc. with careful indentation tend to foster desirable pseudocode.

Do not include data declarations in your pseudocode.
