

Pseudocode for Homework 1

Initialize weightedSum to zero

Initialize grade to zero

Initialize weightCount to zero

Initialize credit to zero

Open a file for input / output

 If program can't create file

 Print "File could not be opened"

 Else

 Print text to prompt grade and credit (or EOF)

 Input grade and credit

 While user does not end file input

 If grade is not within 0 to 100

 Print "Invalid grade, please try again"

 Input grade and credit

 Else

 Add the product of grade and credit to

 weightedSum which then becomes new

 weightedSum

Add credit to weightCount which then
becomes new weightCount

Print grade and credit to file

Print text to prompt grade and credit (or
EOF)

Input grade and credit

Initialize weightedGrade to zero

If weightCount does not equal to zero

weightedGrade becomes the quotient of
weightedSum divided by weightCount

If weightedGrade is 90 to 100

Print weightedGrade and 'A'

Else if weightedGrade is 80 to 90(not equal)

Print weightedGrade and 'B'

Else if weightedGrade is 70 to 80(not equal)

Print weightedGrade and 'C'

Else if weightedGrade is 60 to 70(not equal)

Print weightedGrade and 'D'

Else if weightedGrade is below 60

Print weightedGrade and 'F'

Else

Print text to tell user the input is wrong

Else

Print "No scores were added"

Close file