Programming Assignment 2-1

1. Problem definition

The purpose of this program is to ask a user to input the number of males and females registered to a class; then output the total number of students and the percentages of males and females.

2. Input and Output

Input: Two integers for the number of males and number of females. , Output: The total number of students in the class (integer) and the percentages of males and females (floating point numbers).

3. Variables

numM = user input for # of males
numF = user input for # of females
percM = percentage of males
percF = percentage of females

4. Flow Chart Start Ask for user input. Two integer values:numM, numF Calculate percentage of males and females percM = numM/(numM + numF) * 100 percF = numF/(numM + numF * 100 Print the total number of students Print the amount of male students and female students Print the percentages for male students and female students in the class End

5. Error and lessons

Error: Percentages not showing decimal points (format string floating point numbers)

Output showing same number for number of males and females. (fix which variable is coded)

Output numbers not aligned

Lessons:

I can practice the string formats and for showing floating point numbers. Also I can practice the output and formatting the amount of space in the results.