

Victoria Nejal

Professor Lee

CS07

06/24/2024

## Programming Assignment 2-1

### **Problem Definition**

This assignment requires me to write a program that given the number of male and female students in a class, will return two values: the percentage of male students and the percentage of female students in the class.

### **Input and Output**

Input:

Two integer values for the number of males and the number of females.

Output:

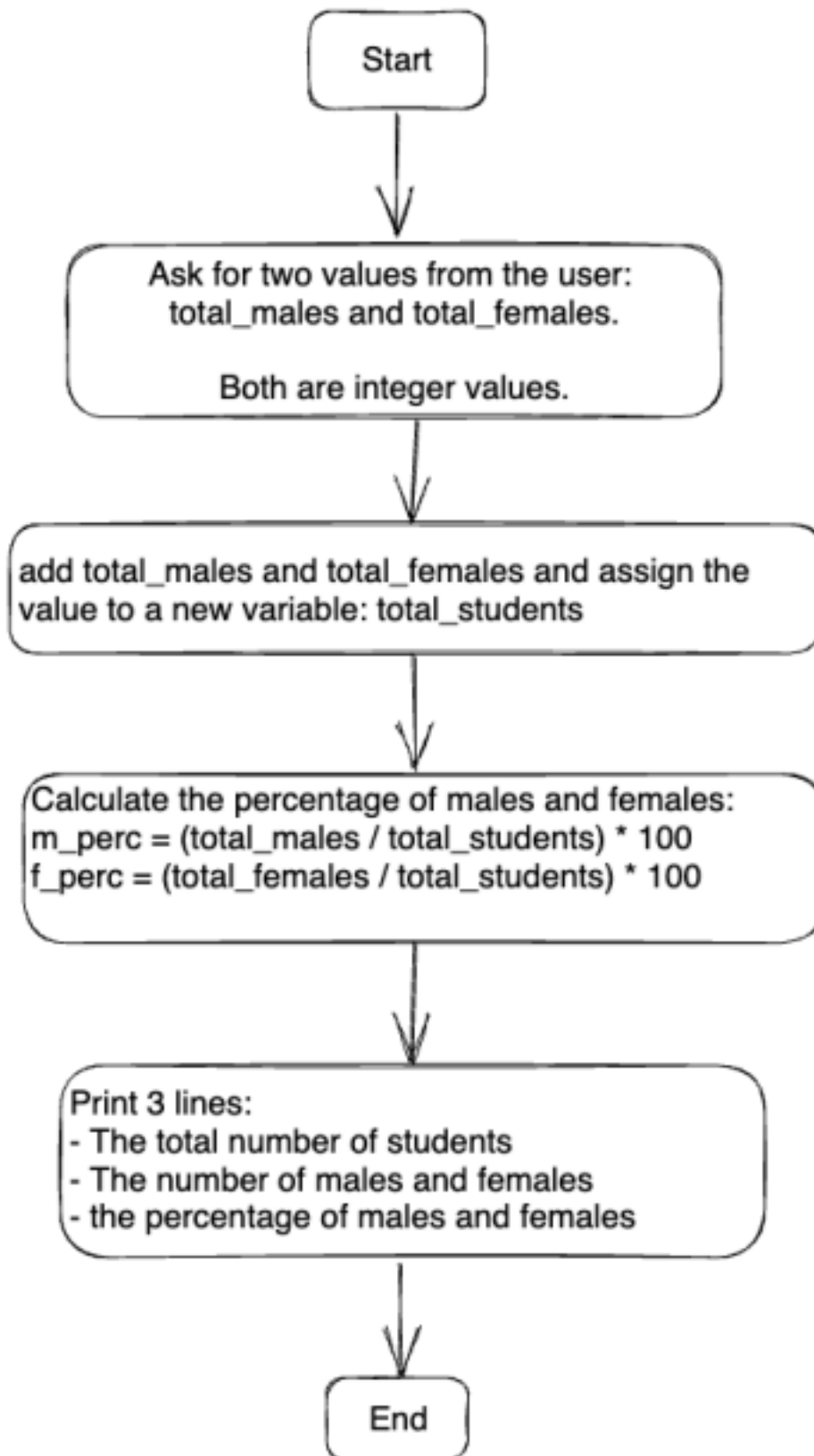
Two floating point numbers for the percentages of males and the percentage of females **Variables**

int total\_males: user input for number of males  
int total\_females: user input for number of females  
int total\_students: total number of students  
float m\_perc: the percentage of males  
float f\_perc: the percentage of females

### **Flow Chart**

(see next page)





## **Errors and Lessons**

- I learned how to use the input function in order to prompt the user to enter a value - I learned how to convert a string into an integer by using the int function - I learned how to create f-strings by writing 'f' before the start of a string; Also, by using {}  
inside of an f-string, we can use python variables inside a string and that will convert the value into a string
- I learned that you need to write \n inside a string to make it a new line
- Most of the errors I ran into had to do with formatting and syntax, including the following:
  - Incorrectly writing indentation
  - Not using {} when writing an assigned value inside of a string
  - Not writing f before a string to make it an f-string
  - Not using int to convert a string into an int from the input