

# Assignment 1: Calculating the Percentage of Students

## 1. Program Description

- This program is designed to be able to calculate the percentage of male and female students. The user will be able to input the number of male and female students in their student body. Ultimately, allowing the program to display the percentage of male and female students in the user's student body.

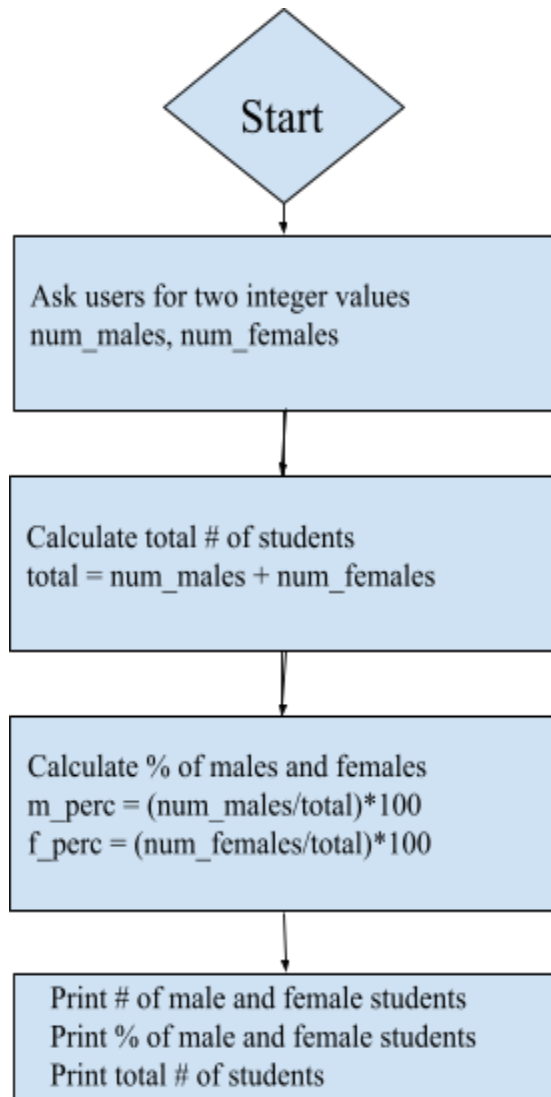
## 2. Input/Output

- Input: User inputs a integer value for # of male and female students
- Output: The program outputs the total number of students and the percentage of male and female students

## 3. Variables

- num\_males: User inputs # of male students
- num\_females: User inputs # of female students
- total: Displays total # of students
- m\_perc: Displays the % of male students
- f\_perc: Displays the % of female students

## 4. Flow Chart



## 5. Errors/Lessons

- The main error throughout making this program was the percentage of male and female students being displayed as a decimal.
- This error popped up:  
assert m == '33.33', 'Expect 33.33'  
E     AssertionError: Expect 33.33  
E     assert '0.33' == '33.33'  
E     - 33.33  
E     + 0.33
- I ultimately fixed this by changing my calculating percentage equation by multiplying the output decimal by 100.