



Limitation

1. Users have to enter the number of assignments, which means they need to count it by themselves. In the future, there may be many more assignments and it is not convenient for the users to count the number of assignments.
2. The current program can only calculate the grades of one person.
3. It is a bit troublesome for the users to manually enter all the values every time.
4. The program has no GUI.
5. The current error checking functions are limited.

Improvement

1. LinkedList is better than list because linkedlist does not have a fixed length. If linkedlist is used for totalPoints, percentages, and earnedPoints, users will not be required to enter the number of assignments. In terms of error checking, a checker can be added to the program to ensure that the lengths of several lists are consistent.
2. To allow the users to calculate more than 1 student's grade, a nested structure can be used. Create a list for all students' IDs, and then make each students have their own totalPoints, percentages, and earnedPoints respectively.
3. In the future, a function that can read data files can be added. Users can simply store their data in a file and upload the file to get the results.
4. GUI can be added to make the program more user friendly.
5. More error checking functions can be added. For example, an error checking function that can determine illegal input.