**Test the Code**

1. Testing of student records addition/deletion and modification. Perform the test to have the student files at least 1000 records.
   1. Test student records addition: test\_add\_student.py

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AI-generated content may be incorrect.

* 1. Test student records deletion: test\_delete\_student.py

A screen shot of a computer

AI-generated content may be incorrect.

* 1. Test student records modification: test\_modify\_student.py

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1. Load the data from previous runs saved in the csv files and you must be able to load the data and search. Once completed, print the total time taken in search cases.
   1. Test searching students: test\_search\_student.py

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1. Test searching courses: test\_search\_course.py

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AI-generated content may be incorrect.

1. Test searching professors: test\_search\_professor.py

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1. Test searching grades: test\_search\_grade.py

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1. You must have a test case to sort the student records (ascending/descending order) based on marks or student email\_address(student\_id). Your report must include the timing it took to sort the records.

Since I split the student information into Student.csv, Grades.csv, I need two functions to sort the student information.

* 1. Test sort the student’ grades and marks records (ascending/descending order) based on marks or student\_id: test\_sort.py

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AI-generated content may be incorrect.

1. Test sort the student’ name and courses’ records (ascending/descending order) based on student\_id or student’s name: test\_sort2.py

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1. Unit test to add/delete/modify the course.
   1. Test adding the course: test\_add\_course.py

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AI-generated content may be incorrect.

* 1. Test deleting the course: test\_add\_course.py

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* 1. Test modifying the course: test\_modify\_course.py

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AI-generated content may be incorrect.

1. Unit test to add/delete/modify professors.
   1. Test adding a professor: test\_add\_professor