**Test Code Report**

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

A computer screen with white text

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

A screen shot of a computer

AI-generated content may be incorrect.

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

A screenshot of a computer program

AI-generated content may be incorrect.

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

A screenshot of a computer screen

AI-generated content may be incorrect.

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

A computer screen shot of a computer program

AI-generated content may be incorrect.

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

A screen shot of a computer

AI-generated content may be incorrect.

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

A screenshot of a computer program

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

A screenshot of a computer program

AI-generated content may be incorrect.

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

A screen shot of a computer

AI-generated content may be incorrect.

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

A screenshot of a computer

AI-generated content may be incorrect.

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

A screenshot of a computer

AI-generated content may be incorrect.

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

A computer screen with white text

AI-generated content may be incorrect.

* 1. Test deleting a professor: test\_delete\_professor.py

A computer screen with white text

AI-generated content may be incorrect.

* 1. Test modifying a professor: test\_modify\_professor.py

A screenshot of a computer program

AI-generated content may be incorrect.