

Retrieve Student Data from a Text File with the Option of Sorting and Searching

- Define a student struct with attributes : Student ID, Name, Grade
- Reads student data from a file specified by the filepath
- Parses the data and creates Student objects adding them to a List<Student>
- Display the details of all student in the sorted list
- Searches for a student in the list by name ignoring case differences
- Returns the first matching student found or an empty student if no match is found
- Initializes the path to the student data file
- Check if the file exists, if not displays an error message and exits
- Loads student data sorts it and displays the sorted student list
- Enter a loop where the user can input a student name to search
- If the input is quit the program exists the loop
- If a student with the entered name is found, displays the student details
- If no student is found displays a student not found message
- The code assumes the presence of a file named student_data.txt at the specified file path
- Ensure the file exists and has the correct format(studentID, Name, Grade)for the code to function properly