

GitHub Link : https://github.com/pRaV33N-S/OSL_Assignment2

Step 1 : I defined a 'Student' class with properties 'Name' and 'Class' to store student data.

Step 2 : I implemented the 'ReadFile()' method to read student data from "Student.txt" and populate the 'studs' list which I created as static instance variable.

Step 3 : I created the 'DisplayAll()' method to print all student data with a numeric index.Used Foreach to iterate through 'studs'.

Step 4 : For sorting, I used the 'SortAll()' method, which sorts students alphabetically by name and displays them. Then used 'DisplayAll()' to print all the sorted data.

Step 5 : The 'Search(string name)' method allows users to find students by name and return the result as list.

Step 6 : Once the list is returned, I used If condition to check wheather the list is empty or not and then printed accordingly.

Step 7 : In the Main method, I provided a user-friendly menu to choose functions 1 (display all), 2 (sort and display), or 3 (search).

Step 8 : The program handles incorrect inputs and lets users repeat or exit as desired.

Step 9 : I have also used exceptional handling to handle the errors.

Step 10 : End of the program