**Program to Retrieve Student Details form Text File Using Sorting and Searching**

**Introduction:**

The given problem statement is we need to retrieve the student details and display it by using Sorting and Searching method in the C# Console Application.

For this problem statement I create the student object with the two element named as Name, Class to retrieve the data from the text file.

After that for accessing the student data from the text file I copied the text file path and give to the file path method to open the student data file. After opening the file we need to read each line in the text file so for that I used File.ReadAllLines() method.

Then we need to sort the students data by using string comparison method to sort the student details.

For searching the student here we use if condition with string comparison. After to display the student data call the sortedstudentdata() and searchstudentdata() method.

**Prerequisites:**

Visual Studio Community Edition

Notepad text file

Github Account

**Data Format:**

The data format here I used to store the student details is the notepad text file. Which contains the bunch of student data that we want to show on the console.

**Code Implementation:**

First here for the student data I created the student object to know what kind of data format present in the text file. After getting the knowledge of the data I created the student object with two elements.

After implementing then I created two methods for sorting and searching. Sorting is to sort the data in the format of order. Searching is to search the student data from the sorted data format.

To show the sorted and searching value of the student data I called the two methods to show the values in console.

**Github Repository Link:**

**Conclusion:**

The key point in the program is here I used the try catch validation to check the File is whether present are not.

It runs successfully and shows the students details as well as the incorrect format of data in the console as well.