

## CODE EXPLANATION :

This is a simple console application that performs searching and sorting operations on a list of students and their classes. The student data is read from a text file, and the program provides the following functionalities:

- 1.Sort the list of students by class or by name.
- 2.Search for students by their name or class.
- 3.Display the information of all students.

Let's go through the program step by step:

- The program reads student data from a text file named "Studentdata.txt" located at the specified path.
- Each line in the file contains a student's name and class separated by either a space or a tab character.
- The student data is stored in a list of Student objects, where each Student object has two properties: Name and Class.
- The program presents a menu to the user, allowing them to choose from the following options:
  1. Sort the list by class.
  2. Sort the list by name.
  3. Search for students by name.
  4. Search for students by class.
  5. Display the information of all students.
- Depending on the user's choice, the program performs the corresponding operation and displays the output.

**GIT Link :** <https://github.com/sundar2568223/studentProject-2.git>