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GIT HUB REPOSITORY LINK- <https://github.com/mayank5654/practice-project-1.32>

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

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Drawing;
using System.IO;

namespace Retrieve_Student_Data_with_Sorting_and_Searching
{
    internal class Program
    {
        static void Main(string[] args)
        {
            string ps = "D:/practic exercise/practice project/project1.32/student
data.txt";
            String[] lines = File.ReadAllLines(ps);

            List<Student> list = new List<Student>();
            for (int i = 0; i < lines.Length; i++)
            {
                string k = lines[i];
                char[] c = new char[] { '\t', ' ' };
                string[] man = k.Split(c, StringSplitOptions.RemoveEmptyEntries);
                Student s = new Student();
                s.Name = man[0];
                s.Class = Convert.ToInt32(man[1]);
                list.Add(s);
            }
            start:
            Console.Write("Menu: \n 1.Sort by Name\n 2.Search by Name\n 3.Display
Student Data\n 4.Exit \n");
            Console.WriteLine("Enter Choice:");
            int ch = Convert.ToInt32(Console.ReadLine());

            switch (ch)
            {
                case 1:

                    Console.WriteLine("Sort by Name");
                    var par1 = list.OrderBy(q => q.Name).ToList();
                    foreach (Student s in par1)
                    {
                        Console.Write($"{s.Name} studying in {s.Class}\n");
                    }
                    break;

                case 2:
```

```

        Console.WriteLine("Search by Name");
        foreach (Student s in list)
        {
            Console.Write($"{s.Name} studying in {s.Class} \n");
        }
        Console.WriteLine("Enter Name to search");
        string pr = Console.ReadLine();
        var pit = list.FirstOrDefault(q => q.Name == pr);
        if (pit != null)
        {
            Console.Write($"{pit.Name} studying in {pit.Class} \n");
        }
        else
        {
            Console.WriteLine("No student with that name found");
        }
        break;

    case 3:

        Console.WriteLine("Display");
        foreach (Student s in list)
        {
            Console.Write($"{s.Name} studying in {s.Class} \n");
        }
        break;
    case 4:
        Environment.Exit(0);
        break;
    }
    Console.ForegroundColor = ConsoleColor.White;
    Console.WriteLine("Enter 'Y' or 'y' to Continue..");
    string pnt = Console.ReadLine();
    if (pnt == "Y" || pnt == "y")
    {
        goto start;
    }
}

public class Student
{
    public string Name { get; set; }
    public int Class { get; set; }
}
}

```