**Project-2**

using System;

using System.Collections.Generic;

using System.IO;

class Student

{

public string Name { get; set; }

public string Class { get; set; }

}

class Program

{

static void Main()

{

List<Student> students = ReadStudentData(@"D:\project\stduent.txt.txt");

// Sort the student data by name (you can use LINQ or custom sorting here)

// ...

// Display the sorted data

DisplayStudents(students);

// Allow searching by name

Console.Write("Enter the student name to search: ");

string searchName = Console.ReadLine();

Student searchedStudent = students.Find(s => s.Name.Equals(searchName, StringComparison.OrdinalIgnoreCase));

if (searchedStudent != null)

{

Console.WriteLine($"Found: {searchedStudent.Name}, Class: {searchedStudent.Class}");

}

else

{

Console.WriteLine("Student not found.");

}

}

static List<Student> ReadStudentData(string filename)

{

List<Student> students = new List<Student>();

try

{

string[] lines = File.ReadAllLines(filename);

foreach (string line in lines)

{

string[] parts = line.Split(',');

if (parts.Length == 2)

{

string name = parts[0].Trim();

string studentClass = parts[1].Trim();

students.Add(new Student { Name = name, Class = studentClass });

}

}

}

catch (FileNotFoundException)

{

Console.WriteLine($"File '{filename}' not found.");

}

catch (Exception ex)

{

Console.WriteLine($"Error reading data: {ex.Message}");

}

return students;

}

static void DisplayStudents(List<Student> students)

{

foreach (var student in students)

{

Console.WriteLine($"Name: {student.Name}, Class: {student.Class}");

}

}

}