***Program to Retrieve Students Data***

***Student.cs***

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleAppRetriveStudentsData

{

public class Student

{

public string Name { get; set; }

public int Age { get; set; }

public string Grade { get; set; }

}

}

***Program.cs***

using System;

using System.Collections.Generic;

using System.Diagnostics.Eventing.Reader;

using System.IO;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleAppRetriveStudentsData

{

internal class Program

{

static void Main(string[] args)

{

string filePath = "D:\\simplilearn\\project\\students.txt";

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

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

foreach (string line in lines)

{

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

if (data.Length == 3)

{

try

{

Student student = new Student

{

Name = data[0].Trim(),

Age = int.Parse(data[1].Trim()),

Grade = data[2].Trim()

};

students.Add(student);

}

catch (FormatException)

{

Console.WriteLine($"Invalid data format: {line}. Skipping this line.");

Console.WriteLine("\n");

}

}

else

{

Console.WriteLine($"Invalid data format: {line}. Skipping this line.");

Console.WriteLine("\n");

}

}

foreach (Student student in students)

{

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

}

Console.ReadKey();

}

}

}