

```

using System;

using System.Collections.Generic;

using System.Text;

using System.Collections;

using System.IO;


namespace StudentsManagement
{
    class Classroom
    {
        public ArrayList students = new ArrayList();

        const string path = @"D:\c#projects\StudentsManagement\data\names.txt";

        int subjects;

        string[] arrSubjects;

        public Classroom(string[] arrSubjects)
        {
            this.subjects = arrSubjects.Length;

            this.arrSubjects = arrSubjects;

            generateStudents();
        }

        public void generateStudents()
        {
            using (StreamReader sr = new StreamReader(path))
            {
                string name;

                while ((name = sr.ReadLine()) != null)
                {
                    students.Add(new student(name,subjects));
                }
            }
        }
    }
}

```

```

public void printStudents()
{
    Console.ForegroundColor = ConsoleColor.Green;
    Console.WriteLine("Students Data: ");
    Console.ForegroundColor = ConsoleColor.White;
    Console.WriteLine("----- \n");
    if (students != null)
    {
        foreach (student student in students)
        {
            student.print();
            Console.WriteLine(" \n ");
        }

        Console.WriteLine(" ----- \n ");
    }
}

public ArrayList getStudents()
{
    return students;
}

public int getSubjects()
{
    return subjects;
}

public string getSubjectNameByID(int id)
{
    return arrSubjects[id];
}
}

```