```csharp
using System;

using System.Collections.Generic;

using System.Text;

using System.Collections;

using System.IO;


namespace StudentsManagement

{

    class student

    {

        public string name { get; set; }

        protected static int id = 0;

        public int pID { get; set; }


        //public ArrayList grades = new ArrayList(); // 1. math 2. english 3. physics

        public GradesList grades;

        const string path = @"D:\c#projects\StudentsManagement\data\grades1.txt";

        public student(string name, int subjects)

        {

            grades = new GradesList(subjects);

            this.name = name;

            pID = id;

            id++;

            refresh();

        }

        public void refresh()

        {

            string temp;

            string copyPath = path;

            int index = 1;

            while (File.Exists(copyPath))
```

```csharp
            {
                using (StreamReader sr = new StreamReader(copyPath))
                {
                    while ((temp = sr.ReadLine()) != null)
                    {
                        if (temp.Contains("id") && temp.Contains(pID.ToString()))
                        {
                            temp = sr.ReadLine();
                            for (int i = 0; i < grades.count(); i++)
                            {
                                grades.addGrade(temp);
                                temp = sr.ReadLine();
                                if ((temp == null) || (temp.Contains("id")))
                                    break;
                            }
                        }
                    }
                }
                copyPath = (copyPath.Substring(0, copyPath.LastIndexOf(index.ToString())) + (index
+ 1) + ".txt");
                index = index + 1;
            }
        }
        public grade[] getAllGrades()
        {
            return grades.getGrades();
        }
        public grade getGradesByID(int ID)
        {
            return grades.getGradeByID(ID);
        }
```

```csharp
        public int getSubjects()

        {

            return grades.count();

        }

        public void print()

        {

            Console.Write("name: ");

            Console.ForegroundColor = ConsoleColor.Green;

            Console.Write(name);

            Console.ForegroundColor = ConsoleColor.White;

            Console.WriteLine(" | id: " + pID);

            //Console.WriteLine("grades: ");

            grades.printGrades();

        }

        public void printID()

        {

            Console.Write("name: " + name);

            Console.WriteLine(" | id: " + pID);

        }

        public string getID()

        {

            return ("name: " + name + " id: " + pID);

        }


    }

}
```