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using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Practiceproject
{
    struct Student
    {
        public int Assessment;
        public string Name;
        public string Class;
        public string Section;
    }

    struct Teacher
    {
        public string ReferenceMaterials;
        public string Name;
        public string ExamPreparation;
        public string Documents;
        public string Class;
        public string Section;
    }

    struct Subject
    {
        public string Books;
        public int SubjectCode;
        public string Name;
        public string LabGuides;
        public Teacher AssignedTeacher;
    }

    class Program
    {
        static void Main()
        {
            List<Student> students = new List<Student>();
            List<Teacher> teachers = new List<Teacher>();
            List<Subject> subjects = new List<Subject>();

            students.Add(new Student { Assessment = 1, Name = "Rani",
Class="10",Section = " A" });
            students.Add(new Student { Assessment = 2, Name = "Chaithra", Class
= "12",Section = "B" });

            teachers.Add(new Teacher { ReferenceMaterials = "Materials 1", Name
= "Teacher 1", ExamPreparation = "Preparation 1", Documents = "Docs 1",
Class="10",Section = "A" });
            teachers.Add(new Teacher { ReferenceMaterials = "Materials 2", Name
= "Teacher 2", ExamPreparation = "Preparation 2", Documents = "Docs 2",
Class="12",Section = "B" });

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        subjects.Add(new Subject { Books = "Books 1", SubjectCode = 101,
Name = "Kannada", LabGuides = "Guides 1", AssignedTeacher = teachers[0] });
        subjects.Add(new Subject { Books = "Book2", SubjectCode = 102, Name
= "English", LabGuides = "Guides 2", AssignedTeacher = teachers[1] });

        Console.WriteLine("Students in Class A:");
        foreach (var student in students)
        {
            if (student.Section == "A")
            {
                Console.WriteLine($"{student.Name},Assessment:{student.Assessment}");
            }
        }

        string teacherNameToSearch = "Teacher 1";
        Console.WriteLine($"Subjects taught by {teacherNameToSearch}:");
        foreach (var subject in subjects)
        {
            if (subject.AssignedTeacher.Name == teacherNameToSearch)
            {
                Console.WriteLine($"Subject name:{subject.Name}," +
                    $"Subject Code:{subject.SubjectCode}");
            }

            Console.ReadLine();
        }
    }
}

```