


```

        Console.WriteLine("Enter new Class and Section: ");
        string newClassAndSection = Console.ReadLine();
        var updatedTeacher = new Teacher { ID = updateId, Name =
newName, Class = newClassAndSection.Split(' ')[0], Section =
newClassAndSection.Split(' ')[1] };
        teacherDataRepo.UpdateTeacher(updatedTeacher);
        Console.WriteLine("Teacher updated successfully!");
        break;

        case "4":
            Console.WriteLine("Exiting the program.");
            Environment.Exit(0);
            break;

        default:
            Console.WriteLine("Invalid choice. Please try again.");
            break;
    }

    Console.WriteLine();
}
}
}

```

Teacher.cs

```

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

namespace phase1Endproject2
{
    public class Teacher
    {
        public int ID { get; set; }
        public string Name { get; set; }
        public string Class { get; set; }
        public string Section { get; set; }
    }
}

```

TeacherDataRepository.cs

```

using phase1Endproject2;
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace phase1Endproject2
{
    public class TeacherDataRepository
    {
        private string dataFilePath;
    }
}

```

```

public TeacherDataRepository(string filePath)
{
    this.dataFilePath = filePath;
}

public void AddTeacher(Teacher teacher)
{
    List<string> lines = new List<string>();
    if (File.Exists(dataFilePath))
    {
        lines = File.ReadAllLines(dataFilePath).ToList();
    }

    lines.Add($"{teacher.ID},{teacher.Name},{teacher.Class},{teacher.Section}");
    File.WriteAllLines(dataFilePath, lines);
}

public List<Teacher> GetAllTeachers()
{
    List<Teacher> teachers = new List<Teacher>();
    if (File.Exists(dataFilePath))
    {
        string[] lines = File.ReadAllLines(dataFilePath);
        foreach (string line in lines)
        {
            string[] parts = line.Split(',');
            if (parts.Length == 4)
            {
                int id = int.Parse(parts[0]);
                string name = parts[1];
                string className = parts[2];
                string section = parts[3];
                teachers.Add(new Teacher { ID = id, Name = name, Class =
className, Section = section });
            }
        }
        return teachers;
    }
}

public void UpdateTeacher(Teacher updatedTeacher)
{
    List<string> lines = new List<string>();
    if (File.Exists(dataFilePath))
    {
        lines = File.ReadAllLines(dataFilePath).ToList();

        for (int i = 0; i < lines.Count; i++)
        {
            string[] parts = lines[i].Split(',');
            int id = int.Parse(parts[0]);
            if (id == updatedTeacher.ID)
            {
                lines[i] =
${updatedTeacher.ID},{updatedTeacher.Name},{updatedTeacher.Class},{updatedTeache
r.Section}";
                break;
            }
        }

        File.WriteAllLines(dataFilePath, lines);
    }
}

```

```
}  
  }  
}
```

GIT LINK : <https://github.com/sundar2568223/Phase1EndProject-2.git>