

```

using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;

namespace Teacher_Records_System
{
    class Program
    {
        static void Main(string[] args)
        {
            welcome();
            Console.WriteLine();
            Teacher_Records();
            Console.ReadKey();
            ByeMessage();
        }

        static void welcome() // first shows welcome message
        {
            Console.ForegroundColor = ConsoleColor.Green;

            Console.WriteLine("\t" +
                "Welcome to my little project It is an example of a system for storing teachers' data Sponsored by Simplilearn");

            Console.ForegroundColor = ConsoleColor.Yellow;
        }

        static void Teacher_Records()
        {
            bool system_status = true;
            string txtPath = @"C:\Users\abusa\Desktop\123\simplilearn\Teacher_Records_System\moasmrit.txt"; // txt file path and name

            while (system_status)
            {
                List<string> lines = File.ReadAllLines(txtPath).ToList(); // best to read a File into List
                Console.WriteLine();

                Console.ForegroundColor = ConsoleColor.Yellow;
                Console.WriteLine("*** Select Option 1- Add Teacher 2- Search in Teachers 3- Update Teacher 4- Display Teacher || 0 TO EXIT . ***");
                string User_choice = Console.ReadLine();
                Console.ForegroundColor = ConsoleColor.White;

                if (User_choice == "1") // Option 1- Add showing message ask user how many Teachers To Add
                {
                    Console.Write("How many Teachers you want To Add ? :");
                    int TeacherCount = Convert.ToInt32(Console.ReadLine());
                    Console.WriteLine("Last Records Number is " + lines.Count); // get number of record to suggest next TeacherID
                    for (int i = 0; i < TeacherCount; i++)
                    {
                        Console.Write("Enter TeacherID :");
                        int TeacherID = Convert.ToInt32(Console.ReadLine());
                        Console.Write("Enter TeacherName :");
                        string TeacherName = Console.ReadLine();
                        Console.Write("Enter TeacherClass :");
                        string TeacherClass = Console.ReadLine();
                        Console.Write("Enter TeacherSection :");
                        string TeacherSection = Console.ReadLine();
                        string x = TeacherID.ToString() + '\t' + TeacherName + '\t' + TeacherClass + '\t' + TeacherSection;

```

```

        lines.Add(x);
        lines.Sort();
        File.WriteAllLines(txtPath, lines);
        Console.WriteLine(" Insert data successfully");
    }
}
else if (User_choice == "2")// Option 2 - Search showing message ask user Enter Teacher ID to Search
{
    Console.ForegroundColor = ConsoleColor.Green;
    Console.WriteLine("Enter TeacherID To Search :");
    string SearchID = Console.ReadLine();
    foreach (var line in lines)
    {
        string[] DataArray = line.Split(' ');
        if (DataArray[0] == SearchID)
        {
            Console.WriteLine("TeacherID :" + DataArray[0] + "\t TeacherName " + DataArray[1] + "\t TeacherClass " + DataArray[2] + "\t
TeacherSection " + DataArray[3] + "\t");
            Console.ForegroundColor = ConsoleColor.Green;
        }
    }
}
else if (User_choice == "3") // Option 3 - Update showing message ask user Enter Teacher ID to update Teacher info
{
    Console.ForegroundColor = ConsoleColor.Blue;
    Console.WriteLine("Enter TeacherID for Data UPDET :");
    string SearchID = Console.ReadLine();

    foreach (var line in lines)
    {
        string[] DataArray = line.Split(' ');
        if (DataArray[0] == SearchID)
        {
            lines.Remove(DataArray[0] + '\t' + DataArray[1] + '\t' + DataArray[2] + '\t' + DataArray[3]);
            Console.WriteLine("Enter Name :");
            string TeacherName = Console.ReadLine();
            Console.WriteLine("Enter Class :");
            string TeacherClass = Console.ReadLine();
            Console.WriteLine("Enter Section :");
            string TeacherSection = Console.ReadLine();
            DataArray[1] = TeacherName;
            DataArray[2] = TeacherClass;
            DataArray[3] = TeacherSection;
            string newdta = SearchID + '\t' + DataArray[1] + '\t' + DataArray[2] + '\t' + DataArray[3];
            lines.Add(newdta);
            lines.Sort();
            File.WriteAllLines(txtPath, lines);
            Console.WriteLine(DataArray[1] + " successful updated");
            Console.WriteLine("TeacherID :" + DataArray[0] + "\t TeacherName " + DataArray[1] + "\t TeacherClass " + DataArray[2] + "\t
TeacherSection " + DataArray[3]);
            break;
        }
    }
}
else if (User_choice == "4")//Option 4 - show all Teacher stored in txt file
{
    Console.ForegroundColor = ConsoleColor.Cyan;

```

```

        string filename = null;

        // using the method
        filename = Path.GetFileName(txtPath);
        Console.WriteLine("Number Of Records stored in " + filename + " is " + lines.Count);
        Console.ForegroundColor = ConsoleColor.Red;

        foreach (string line in lines)
        {
            string[] dataArray = line.Split(' ');

            Console.WriteLine(" " + dataArray[0] + " " \t " + dataArray[1] + " " \t " + dataArray[2] + " " \t " + dataArray[3]);
        }
        Console.ForegroundColor = ConsoleColor.White;
    }
    else // stop while loop to exit from program
    {
        system_status = false;
    }
}

static void ByeMessage()
{
    Console.ForegroundColor = ConsoleColor.DarkBlue;
    Console.WriteLine("\tThank you for trying my little app. I hope to make bigger projects than this and keep learning .NET with simplilearn ");
    Console.ForegroundColor = ConsoleColor.White;
    Console.WriteLine(" See you on another project ");
}
}
}

```

studint name: Mohammed abullah Al Asmri

Email: mo.asmri@gmail.com - Mobile:966507341450

my github account for Agile-Git-and-Basics-of-C-Programming

<https://github.com/moasmri/simplilearn>

Old Account

<https://github.com/abusamrah2005>