

Screenshots

```
Microsoft Visual Studio Debug Console

Welcome to my little project It is an example of a system for storing teachers' data Sponsored by Simplilearn

** Select Option 1- Add Teacher 2- Search in Teachers 3- Update Teacher 4- Display Teacher || 0 TO EXIT . **
1
How many Teachers you want To Add ? :1
Last Records Number is 0
Enter TeacherID :1
Enter TeacherName :Mohammed AL Asmri
Enter TeacherClass :C# .NET
Enter TeacherSection :Programing
Insert data successfully

** Select Option 1- Add Teacher 2- Search in Teachers 3- Update Teacher 4- Display Teacher || 0 TO EXIT . **
2
Enter TeacherID To Search :
1
TeacherID :1    TeacherName Mohammed AL Asmri    TeacherClass C# .NET    TeacherSection Programing

** Select Option 1- Add Teacher 2- Search in Teachers 3- Update Teacher 4- Display Teacher || 0 TO EXIT . **
3
Enter TeacherID for Data UPDET :
1
Enter Name :Mohammed Asmri
Enter Class :C#, Python
Enter Section :Programing
Mohammed Asmri successful updated
TeacherID :1    TeacherName Mohammed Asmri    TeacherClass C#, Python    TeacherSection Programing

** Select Option 1- Add Teacher 2- Search in Teachers 3- Update Teacher 4- Display Teacher || 0 TO EXIT . **
4
Number Of Records stored in moasmrit.txt is 1
1    Mohammed Asmri    C#, Python    Programing

** Select Option 1- Add Teacher 2- Search in Teachers 3- Update Teacher 4- Display Teacher || 0 TO EXIT . **
0
    Thank you for trying my little app. I hope to make bigger projects than this and keep learning .NET with simplilearn
See you on another project

C:\Users\abusa\Desktop\123\simplilearn\Teacher_Records_System\bin\Debug\net5.0\Teacher_Records_System.exe (process 28668) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

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

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

Old Account

<https://github.com/abusamrah2005>

```
1 using System;
2 using System.Collections.Generic;
3 using System.IO;
4 using System.Linq;
5
6 namespace Teacher_Records_System
7 {
8     class Program
9     {
10         static void Main(string[] args)
11         {
12             welcome();
13             Console.WriteLine();
14             Teacher_Records();
15             Console.ReadKey();
16             ByeMessage();
17         }
18
19         static void welcome() // first show welcome message
20         {
21             Console.ForegroundColor = ConsoleColor.Green;
22
23             Console.WriteLine("\t" +
24                 "Welcome to my little project It is an example of a system for storing teachers' data Sponsored by Simplilearn");
25
26             Console.ForegroundColor = ConsoleColor.Yellow;
27         }
28
29         static void Teacher_Records()
30         {
31
32             bool system_status = true;
33             string txtPath = @"C:\Users\abusa\Desktop\123\simplilearn\Teacher_Records_System\moasmrit.txt"; // txt file path and name
34
35             while (system_status)
36             {
37
38                 List<string> lines = File.ReadAllLines(txtPath).ToList(); // best to read a File into List
39                 Console.WriteLine();
40
41             }
42         }
43     }
44 }
```

```
41 Console.ForegroundColor = ConsoleColor.Yellow;
42 Console.WriteLine("*** Select Option 1- Add Teacher 2- Search in Teachers 3- Update Teacher 4- Display Teacher || 0 TO EXIT . ***");
43 string User_choice = Console.ReadLine();
44 Console.ForegroundColor = ConsoleColor.White;
45
46 if (User_choice == "1") // Option 1- Add showing message ask user how many Teachers To Add
47 {
48     Console.Write("How many Teachers you want To Add ? :");
49     int TeacherCount = Convert.ToInt32(Console.ReadLine());
50     Console.WriteLine("Last Records Number is " + lines.Count); // get number of record to suggest next TeacherID
51     for (int i = 0; i < TeacherCount; i++)
52     {
53         Console.Write("Enter TeacherID :");
54         int TeacherID = Convert.ToInt32(Console.ReadLine());
55         Console.Write("Enter TeacherName :");
56         string TeacherName = Console.ReadLine();
57         Console.Write("Enter TeacherClass :");
58         string TeacherClass = Console.ReadLine();
59         Console.Write("Enter TeacherSection :");
60         string TeacherSection = Console.ReadLine();
61         string x = TeacherID.ToString() + '\t' + TeacherName + '\t' + TeacherClass + '\t' + TeacherSection;
62         lines.Add(x);
63         lines.Sort();
64         File.WriteAllLines(txtPath, lines);
65         Console.WriteLine(" Insert data successfully");
66     }
67 }
68
69 else if (User_choice == "2") // Option 2 - Search showing message ask user Enter Teacher ID to Search
70 {
71     Console.ForegroundColor = ConsoleColor.Green;
72     Console.WriteLine("Enter TeacherID To Search :");
73     string SearchID = Console.ReadLine();
74     foreach (var line in lines)
75     {
76         string[] dataArray = line.Split(' ');
77         if (dataArray[0] == SearchID)
```

```
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q) Teacher_Records_System
Teacher_Records_System
Program.cs
78 {
79     Console.WriteLine("TeacherID : " + DataArray[0] + "\t TeacherName " + DataArray[1] + "\t TeacherClass " + DataArray[2] + "\t TeacherSection " + DataArray[3]);
80     Console.ForegroundColor = ConsoleColor.Green;
81 }
82 }
83 }
84 else if (User_choice == "3") // Option 3 - Update showing message ask user Enter Teacher ID to update Teacher info
85 {
86     Console.ForegroundColor = ConsoleColor.Blue;
87     Console.WriteLine("Enter TeacherID for Data UPDET :");
88     string SearchID = Console.ReadLine();
89     foreach (var line in lines)
90     {
91         string[] DataArray = line.Split(' ');
92         if (DataArray[0] == SearchID)
93         {
94             lines.Remove(DataArray[0] + '\t' + DataArray[1] + '\t' + DataArray[2] + '\t' + DataArray[3]);
95             Console.WriteLine("Enter Name :");
96             string TeacherName = Console.ReadLine();
97             Console.WriteLine("Enter Class :");
98             string TeacherClass = Console.ReadLine();
99             Console.WriteLine("Enter Section :");
100             string TeacherSection = Console.ReadLine();
101             DataArray[1] = TeacherName;
102             DataArray[2] = TeacherClass;
103             DataArray[3] = TeacherSection;
104             string newdata = SearchID + '\t' + DataArray[1] + '\t' + DataArray[2] + '\t' + DataArray[3];
105             lines.Add(newdata);
106             lines.Sort();
107             File.WriteAllLines(txtPath, lines);
108             Console.WriteLine(DataArray[1] + " successful updated");
109             Console.WriteLine("TeacherID : " + DataArray[0] + "\t TeacherName " + DataArray[1] + "\t TeacherClass " + DataArray[2] + "\t TeacherSection " + DataArray[3]);
110             break;
111         }
112     }
113 }
114 }
115 }
116 }
```

```
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q) Teacher_Records_System
Teacher_Records_System
Program.cs
117 else if (User_choice == "4")//Option 4 - show all Teacher stored in txt file
118 {
119     Console.ForegroundColor = ConsoleColor.Cyan;
120     string filename = null;
121     // using the method
122     filename = Path.GetFileName(txtPath);
123     Console.WriteLine("Number Of Records stored in " + filename + " is " + lines.Count);
124     Console.ForegroundColor = ConsoleColor.Red;
125     foreach (string line in lines)
126     {
127         string[] DataArray = line.Split(' ');
128         Console.WriteLine(" " + DataArray[0] + " \t " + DataArray[1] + " \t " + DataArray[2] + " \t " + DataArray[3]);
129     }
130     Console.ForegroundColor = ConsoleColor.White;
131 }
132 }
133 }
134 }
135 }
136 }
137 else // stop while loop to exit from program
138 {
139     system_status = false;
140 }
141 }
142 }
143 }
144 static void ByeMessage()
145 {
146     Console.ForegroundColor = ConsoleColor.DarkBlue;
147     Console.WriteLine("\tThank you for trying my little app. I hope to make bigger projects than this and keep learning .NET with simplilearn ");
148     Console.ForegroundColor = ConsoleColor.White;
149     Console.WriteLine(" See you on another project ");
150 }
151 }
152 }
153 }
154 }
155 }
```