Day15 Assignment

By

Narala Praveen

10-Feb-2022
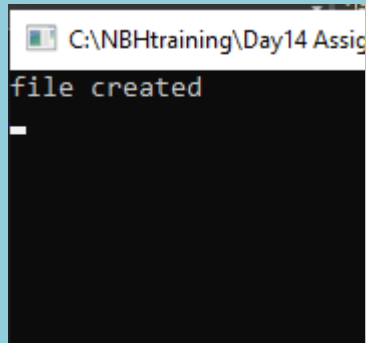
Day15 Assignment

Question1:
Research and write at least 10 methods present in file class.
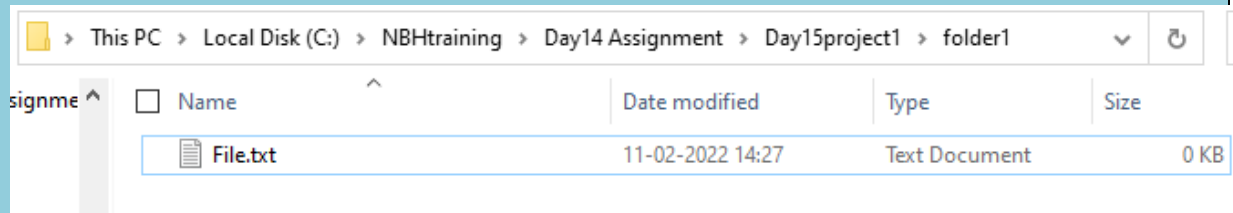## Illustrate with code example?

Create:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            File.Create("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\File.txt");
            Console.WriteLine("file created");
            Console.ReadLine();
        }
    }
}
```

Output:

Created file:

|	Name	Date modified	Type	Size
signme	File.txt	11-02-2022 14:27	Text Document	0 KB

Write All Text:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
    {
```

```csharp
        static void Main(string[] args)
        {
            File.WriteAllText("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\File.txt", "Hi welcome to my world");
            Console.WriteLine("file has got written");
            Console.ReadLine();
        }
    }
}
```

Output:
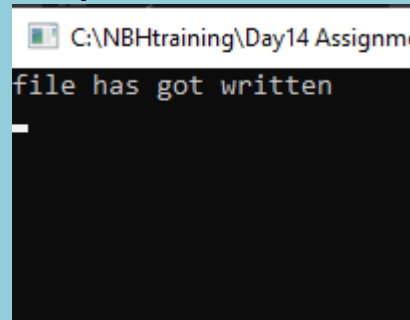
Written file:

Append All Text:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            File.AppendAllText("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\File.txt","\n hi every one");
            Console.WriteLine("file has got Appended");
            Console.ReadLine();
        }
    }
}
```
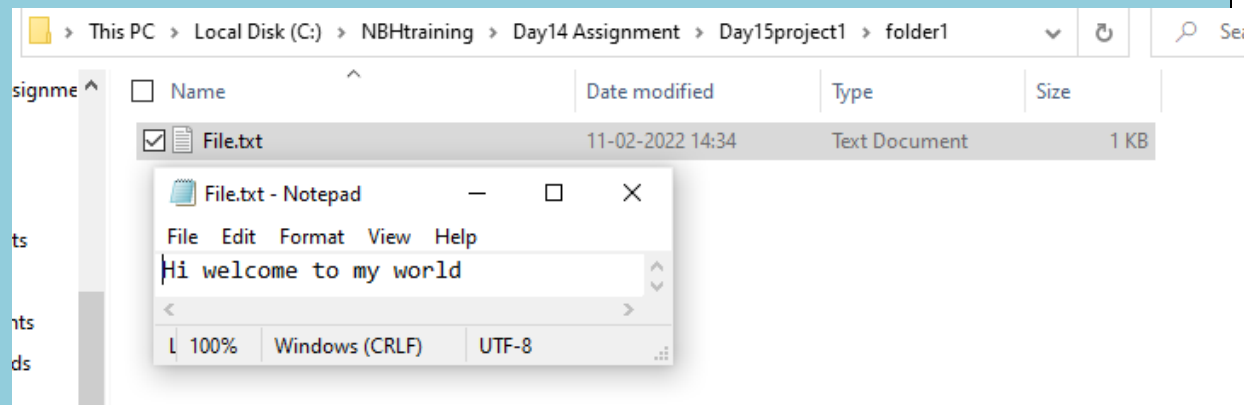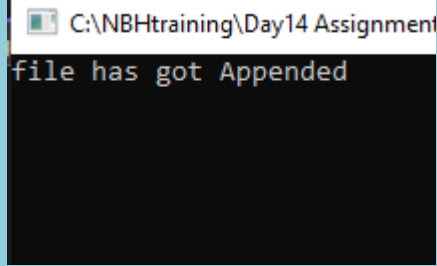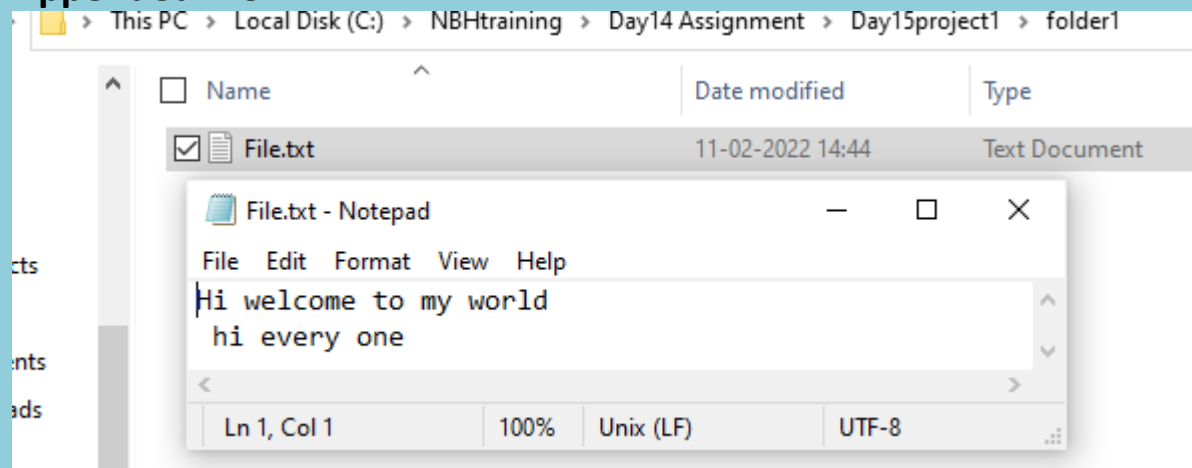
OutPut:

Day15 Assignment


```
file has got Appended
```

Appended file:

This PC > Local Disk (C:) > NBHtraining > Day14 Assignment > Day15project1 > folder1

	Name	Date modified	Type
☑	File.txt	11-02-2022 14:44	Text Document

File.txt - Notepad

File Edit Format View Help

Hi welcome to my world
hi every one
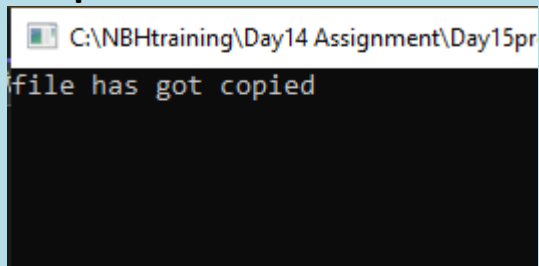
Ln 1, Col 1   100%   Unix (LF)   UTF-8

Copy:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            File.Copy("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\File.txt", "C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder2\\File.txt");
            Console.WriteLine("file has got copied");
            Console.ReadLine();
        }
    }
}
```
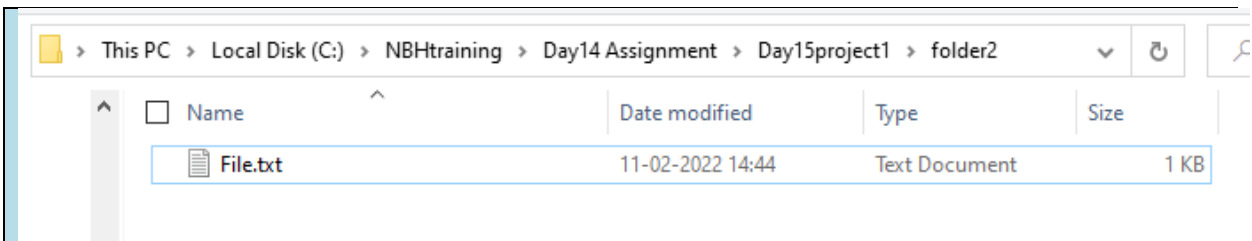
Output:


```
file has got copied
```
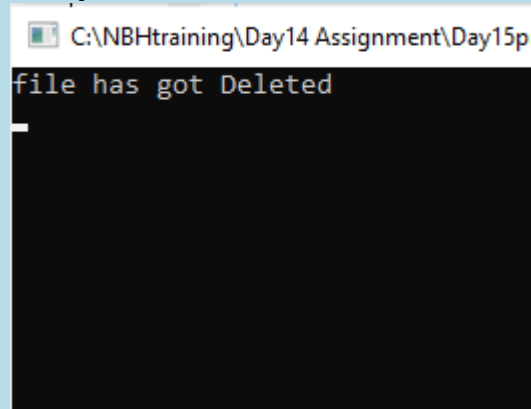
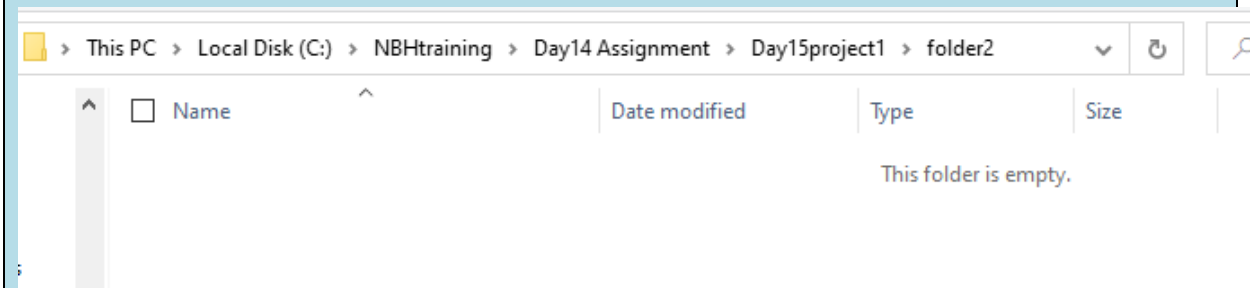**Copied path:**

Day15 Assignment

Delete:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            File.Delete("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder2\\File.txt");
            Console.WriteLine("file has got Deleted");
            Console.ReadLine();
        }
    }
}
```
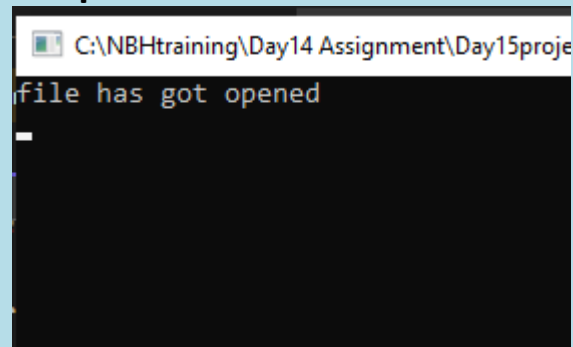
Output:

Deleted:

Open:

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

Day15 Assignment

```csharp
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            File.Open("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\File.txt",FileMode.Open );
            Console.WriteLine("file has got opened");
            Console.ReadLine();
        }
    }
}
```

Output:

Get Creation Time:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine(File.GetCreationTime("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\File.txt"));

            Console.ReadLine();
        }
    }
}
```

Output:

```
C:\NBHtraining\Day14 Assignment\Day15project1\Day15proje
11-02-2022 14:23:09
```

Read All Text:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine(File.ReadAllText("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\File.txt"));

            Console.ReadLine();
        }
    }
}
```

Output:

```
C:\NBHtraining\Day14 Assignment\D
Hi welcome to my world
 hi every one
```

Move:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
```

```
    {
        static void Main(string[] args)
        {
            File.Move("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\File.txt", "C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder2\\File.txt");
            Console.WriteLine("File got moved");
            Console.ReadLine();
        }
    }
}
```

Output:

Select C:\NBHtraining\Day14 Assignment

File got moved

Moved destination:

This PC > Local Disk (C:) > NBHtraining > Day14 Assignment > Day15project1 > folder2

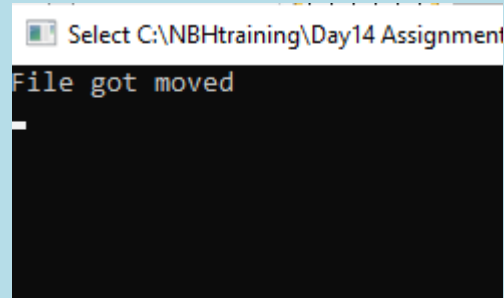| Name	Date modified	Type	Size
File.txt	11-02-2022 14:44	Text Document	1 KB

Get Last Access:

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

namespace Day15project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine(File.GetLastAccessTime("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\File.txt"));

            Console.ReadLine();
        }
    }
}
```
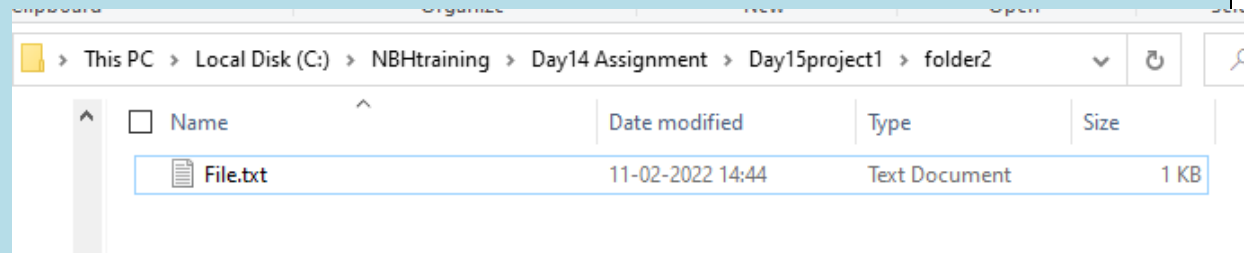
Output:

C:\NBHtraining\Day14 Assignment\Day15project1\Day15proje

11-02-2022 15:29:07

Day15 Assignment

Question2:
WACP to copy files from one folder to other folder
Schedule this job to be executed at daily some time put the screen shot of time scheduler?
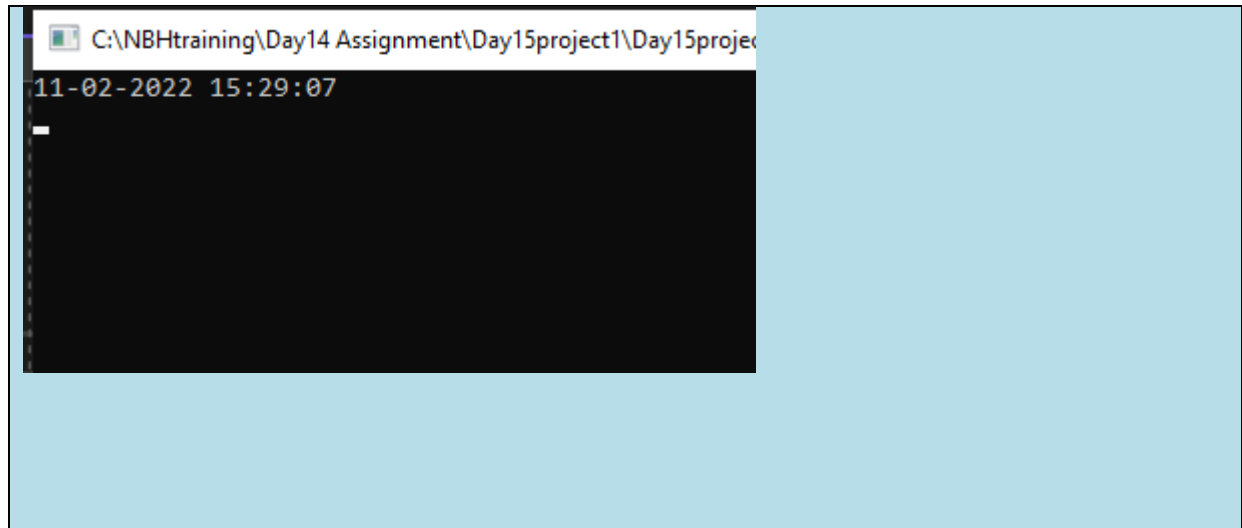
Program:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            File.Copy("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\Praveen.txt", "C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder2\\Praveen.txt");
            Console.WriteLine("File Has been Copied");
            Console.ReadLine();
        }
    }
}
```

Time scheduler:
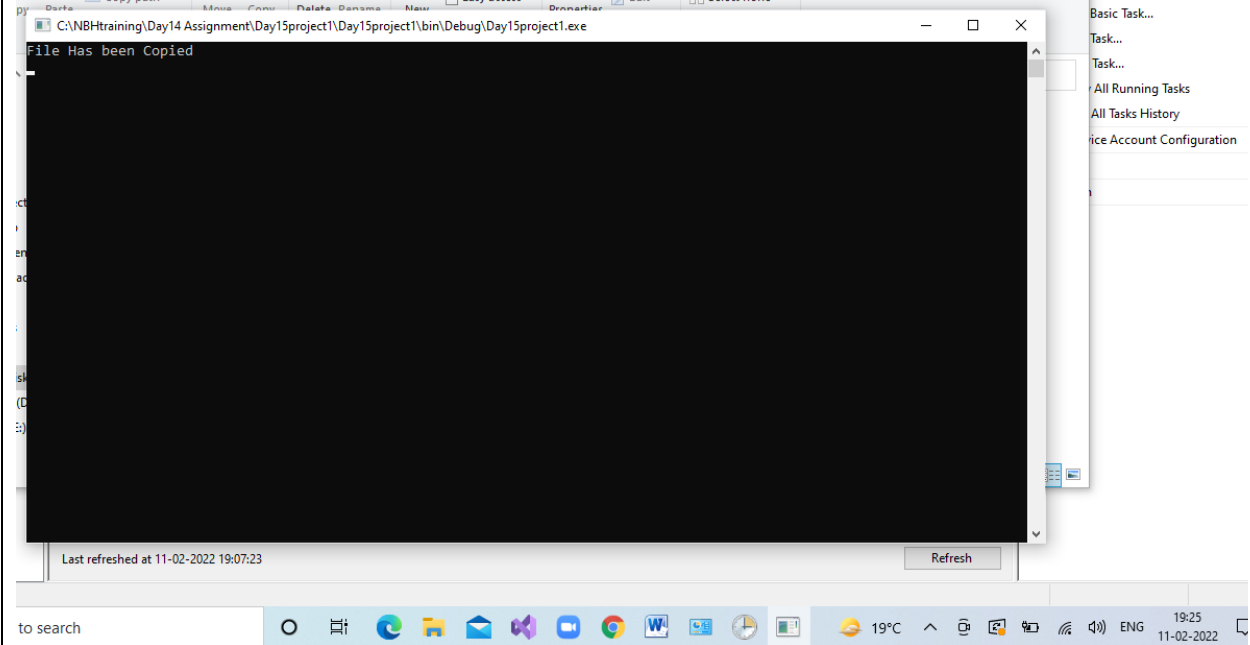
Executed time:

C:\NBHtraining\Day14 Assignment\Day15project1\Day15project1\bin\Debug\Day15project1.exe

File Has been Copied

Basic Task...
Task...
Task...
All Running Tasks
All Tasks History
ice Account Configuration

Last refreshed at 11-02-2022 19:07:23   Refresh

to search

19°C   ENG   19:25
              11-02-2022

Copied:

Name	Date modified	Type	Size
Praveen.txt	11-02-2022 21:40	Text Document	1 KB

Question 3:
WACP to write data into file (and append the data) using Stream writer class?

Code:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15project3
{
    internal class Program
    {
        public static object Day15project1 { get; private set; }

        static void Main(string[] args)
        {
            StreamWriter sw = new StreamWriter("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\Praveen.txt",true);
            sw.WriteLine("Hi");
            sw.WriteLine("These is praveen");
            sw.WriteLine("File has created");
            sw.Close();
            Console.WriteLine("File done");
            Console.ReadLine();

        }
    }
}
```

Output:

```
C:\NBHtraining\Day14 Assignment\Day15project3\[
File done
```

Appended file:

Day15 Assignment

Praveen.txt - Notepad

File Edit Format View Help

Hai every one
Hi
These is praveen
File has created
Hi
These is praveen
File has created

Day15 Assignment

Question4:
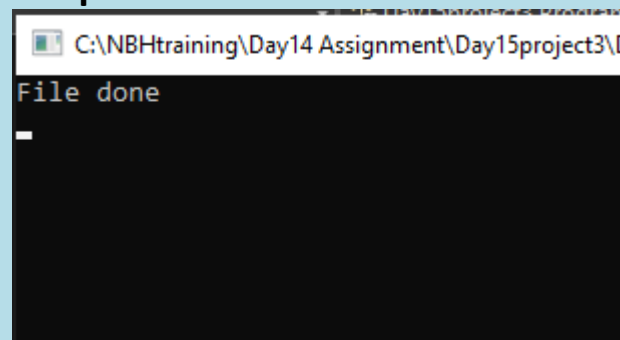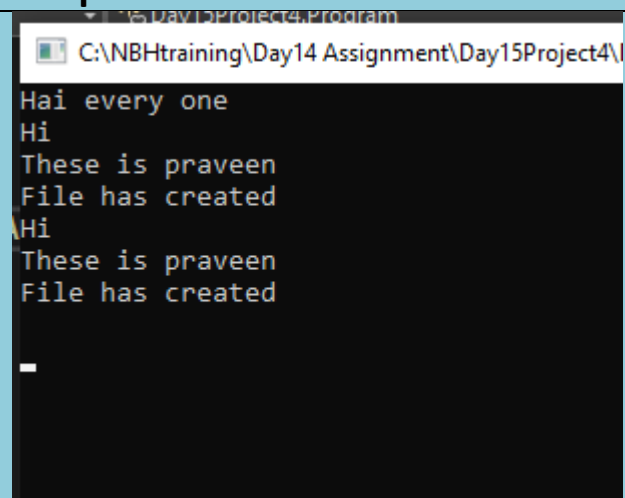## Research and write C# program to read data from file?

Code:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day15Project4
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine(File.ReadAllText("C:\\NBHtraining\\Day14
Assignment\\Day15project1\\folder1\\Praveen.txt"));
            Console.ReadLine();
        }
    }
}
```

Output:

```
C:\NBHtraining\Day14 Assignment\Day15Project4\
Hai every one
Hi
These is praveen
File has created
\Hi
These is praveen
File has created
```

Day15 Assignment

Question5:

Modify the quiz application and record score in the system in flat file?

Code:

```csharp
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace ConsoleQuizapp
{
    internal class Program
    {   //Name:Narala Praveen
        //Purpose:To print score in flat txt file.
        static void Main(string[] args)
        {
            //Variable declaration

            int score = 0, ans;
            string name;
            //User output
            Console.WriteLine("Enter your name");
            name = Console.ReadLine();
            Console.WriteLine("Hi {0}, Welcome to Narala Praveen Quiz", name);
            Console.WriteLine("Q1.Who is the Father of Indian Nation");
            Console.WriteLine("1.B.R Ambedhkar 2.Babu Jagjivan Rao 3.Mahathma
Gandhiji 4.Sarder Vallabhai Patel");
            Console.WriteLine("Enter your choice:");
            ans = Convert.ToInt32(Console.ReadLine());
            if (ans == 3)
                score += 20;
            Console.WriteLine("Q2.Who is the first president of India");
            Console.WriteLine("1.Babu Rajendraprasad 2.Jawaharlal Nehru 3.Mohmmed
Alijinna 4.Sarojini naidu");
            Console.WriteLine("Enter your choice:");
            ans = Convert.ToInt32(Console.ReadLine());
            if (ans == 1)
                score += 20;
            Console.WriteLine("Q3.Who is the fisrt prime minister of India");
            Console.WriteLine("1.Bipin chandrapal 2.Jawaharlal Nehru 3.Apj Abdul
kalam 4.Indira Gandhi");
            Console.WriteLine("Enter your choice:");
            ans = Convert.ToInt32(Console.ReadLine());
            if (ans == 2)
                score += 20;
            Console.WriteLine("Q4.Who is the Teacher of Mahatma Gandhiji");
            Console.WriteLine("1.Raja Ram 2.Gopal Krishna Gokule 3.Bagath sing
4.Viveka nandha");
            Console.WriteLine("Enter your choice:");
            ans = Convert.ToInt32(Console.ReadLine());
            if (ans == 2)
                score += 20;
            Console.WriteLine("Q5.Who is first vice president of India");
            Console.WriteLine("1.Jawaharlal Nehru 2.Sarder Vallabhai Patel
3.Indira Gandhi 4.Prathibha Patel");
            Console.WriteLine("Enter your choice");
            ans = (Convert.ToInt32(Console.ReadLine()));
```
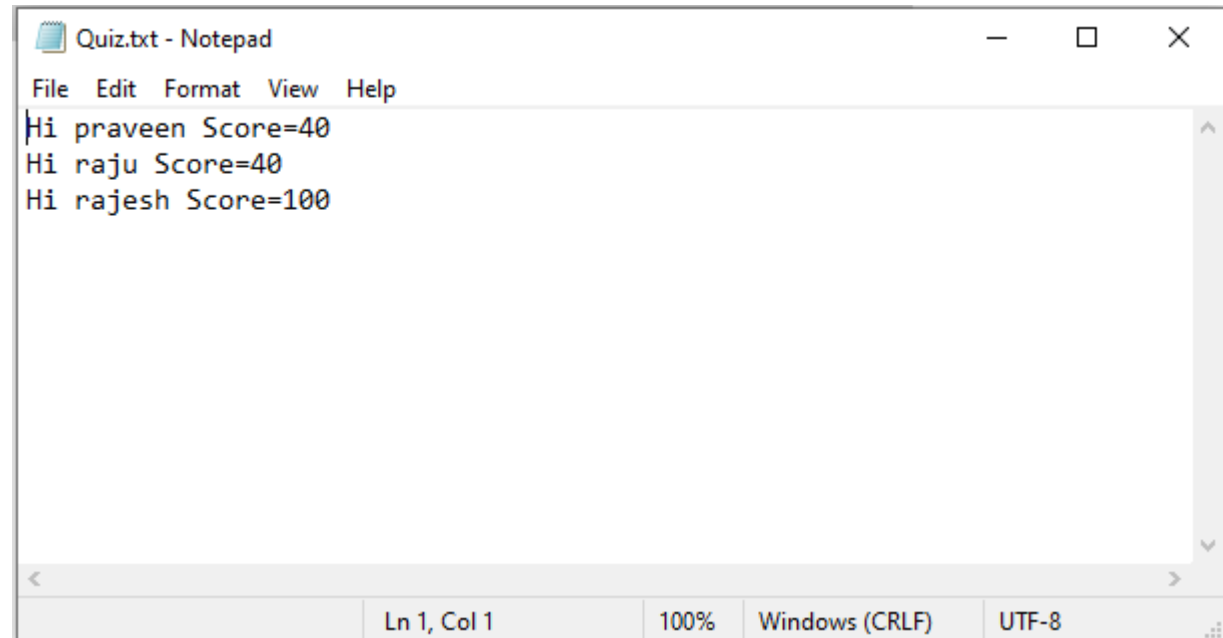
Day15 Assignment

```
            if (ans == 2)
                score += 20;

                Console.WriteLine("Congratulations You have completed the Quiz
\nYour score is Recorded at @Admin");
            StreamWriter sr = new StreamWriter("C:\\NBHtraining\\Day15
Assignment\\Quiz.txt", true);
            sr.WriteLine($"Hi {name} Score={score}");
            sr.Close();

        // File.WriteAllText("C:\\NBHtraining\\Day15
Assignment\\Quiz.txt",$"Hi {name}Score={score}");
            Console.ReadLine();
        }
    }
}
```

Quiz:

```
Quiz.txt - Notepad                                      —    □    ×
File  Edit  Format  View  Help
Hi praveen Score=40
Hi raju Score=40
Hi rajesh Score=100



                        Ln 1, Col 1      100%   Windows (CRLF)   UTF-8
```

Output:

Day15 Assignment

```
C:\NBHtraining\Day14 Assignment\Day15project5\Day15project5\bin\Debug\Day15project5.exe

Enter your name
rajesh
Hi rajesh, Welcome to Narala Praveen Quiz
Q1.Who is the Father of Indian Nation
1.B.R Ambedhkar 2.Babu Jagjivan Rao 3.Mahathma Gandhiji 4.Sarder Vallabhai Patel
Enter your choice:
3
Q2.Who is the first president of India
1.Babu Rajendraprasad 2.Jawaharlal Nehru 3.Mohmmed Alijinna 4.Sarojini naidu
Enter your choice:
1
Q3.Who is the fisrt prime minister of India
1.Bipin chandrapal 2.Jawaharlal Nehru 3.Apj Abdul kalam 4.Indira Gandhi
Enter your choice:
2
Q4.Who is the Teacher of Mahatma Gandhiji
1.Raja Ram 2.Gopal Krishna Gokule 3.Bagath sing 4.Viveka nandha
Enter your choice:
2
Q5.Who is first vice president of India
1.Jawaharlal Nehru 2.Sarder Vallabhai Patel 3.Indira Gandhi 4.Prathibha Patel
Enter your choice
2
Congratulations You have completed the Quiz
Your score is Recorded at @Admin
```