Day 15 Assignment
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On 11-02-2022

Research and write at least 10 methods present in File Class. Illustrate with code example.

Code:

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

namespace Day_15_Project_1
{
    //Author:Mary Maragret
    //10 methods in files
    internal class Program
    {
        static void Main(string[] args)
        {
            // create file
            File.Create("C:\\Files\\Hi.txt");
            Console.WriteLine("File Created ");


            //create text
            File.WriteAllText("C:\\Files\\Hi.txt", "Hello Everyone");
            Console.WriteLine("Text Created");

            //Stream Writer
            StreamWriter sw = new StreamWriter("C:\\Files\\Hi.txt");
            sw.WriteLine("Good Morning");
```

```csharp
sw.Close();
Console.WriteLine("Stream Written");

//To Append
StreamWriter sw = new StreamWriter("C:\Files",true);
sw.WriteLine("How Are You?");
sw.Close();
Console.WriteLine("File Apened");

//Get Last Access Time
Console.WriteLine(File.GetLastAccessTime("C:\\Files\\Hi.txt"));


//Get Last Written time
Console.WriteLine(File.GetLastWriteTime("C:\\Files\\Hi.txt"));


//Move File
if (File.Exists("C:\\Files\\Hi.txt"))
    File.Delete("C:\\Files\\Hi.txt");
File.Move("C:\\source\\source.txt" , "C:\\Files\\Hi.txt");
Console.WriteLine("File Moved");

//Copy File
File.Copy("C:\\source\\copy.txt", "C:\\Files\\Hi.txt");
Console.WriteLine("File Copied");

//Read File
object read = File.ReadAllText("C:\\Files\\Hi.txt");
Console.WriteLine(read);

//Delete File
File.Delete("C:\\Files\\Hi.txt");
Console.WriteLine("File Delete");

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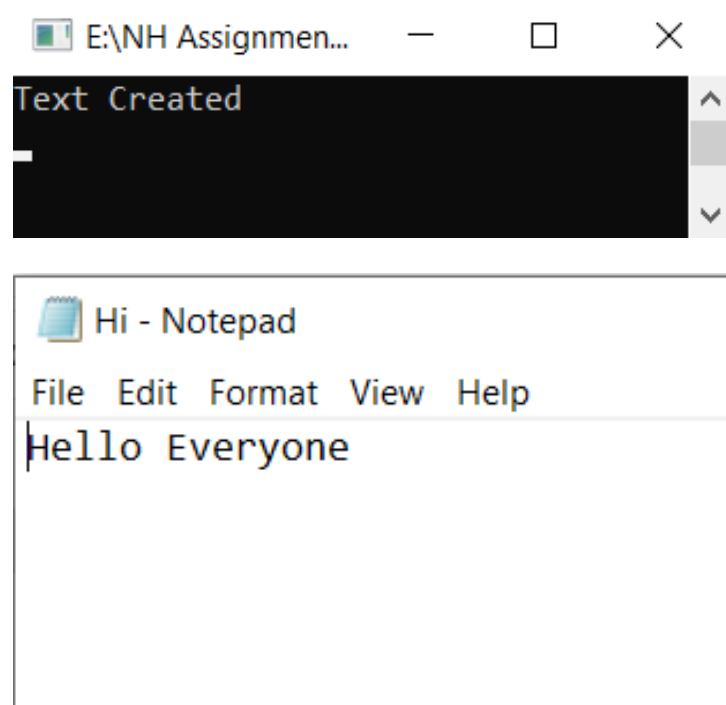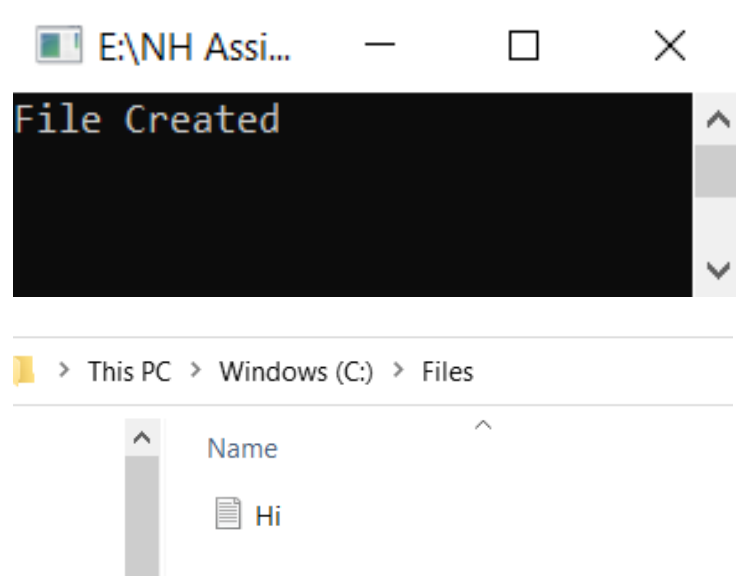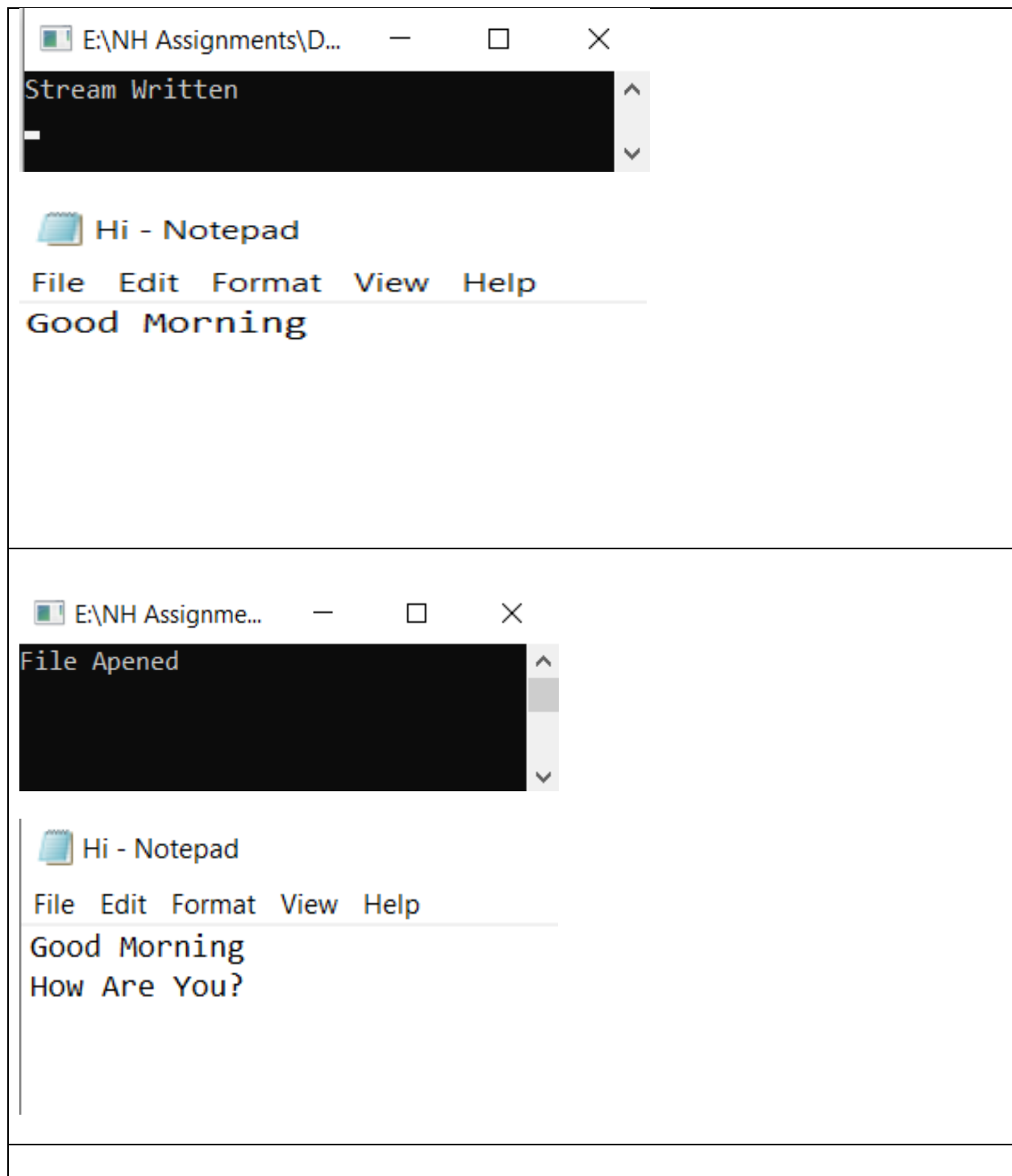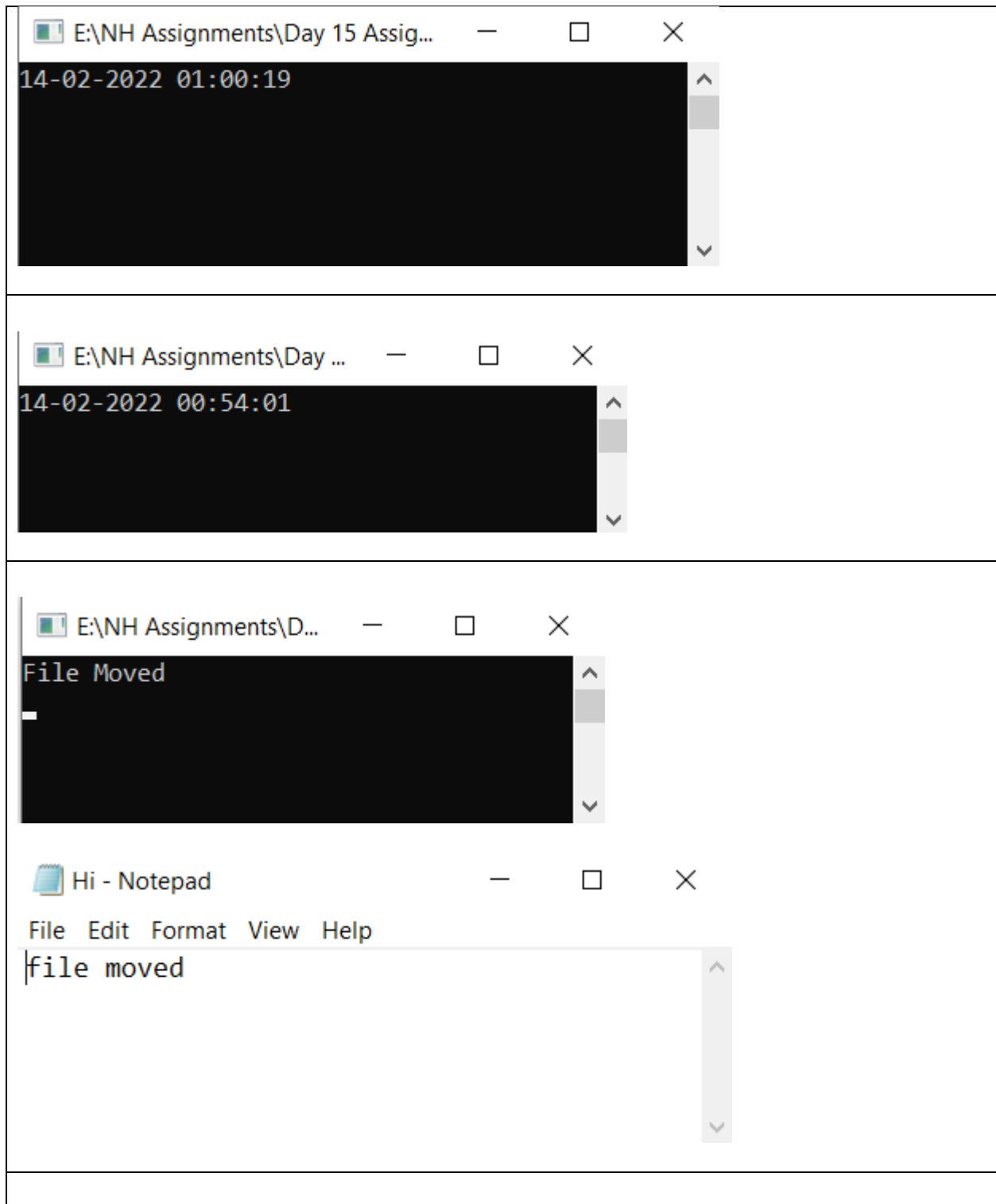
```
        }
    }
}
```

Output:

E:\NH Assignments\D... — □ ✕

```
Stream Written
```

📝 Hi - Notepad

File   Edit   Format   View   Help

Good Morning

E:\NH Assignme... — □ ✕

```
File Apened
```

📝 Hi - Notepad

File   Edit   Format   View   Help

Good Morning
How Are You?

E:\NH Assignments\Day 15 Assig...

```
14-02-2022 01:00:19
```

E:\NH Assignments\Day ...

```
14-02-2022 00:54:01
```

E:\NH Assignments\D...

```
File Moved
```

Hi - Notepad

File   Edit   Format   View   Help

```
file moved
```

```
E:\NH Assign...    —    □    ✕
File Copied
```

```
E:\NH Assign...    —    □    ✕
File Copied
```

```
E:\NH Assign...    —    □    ✕
File Delete
```

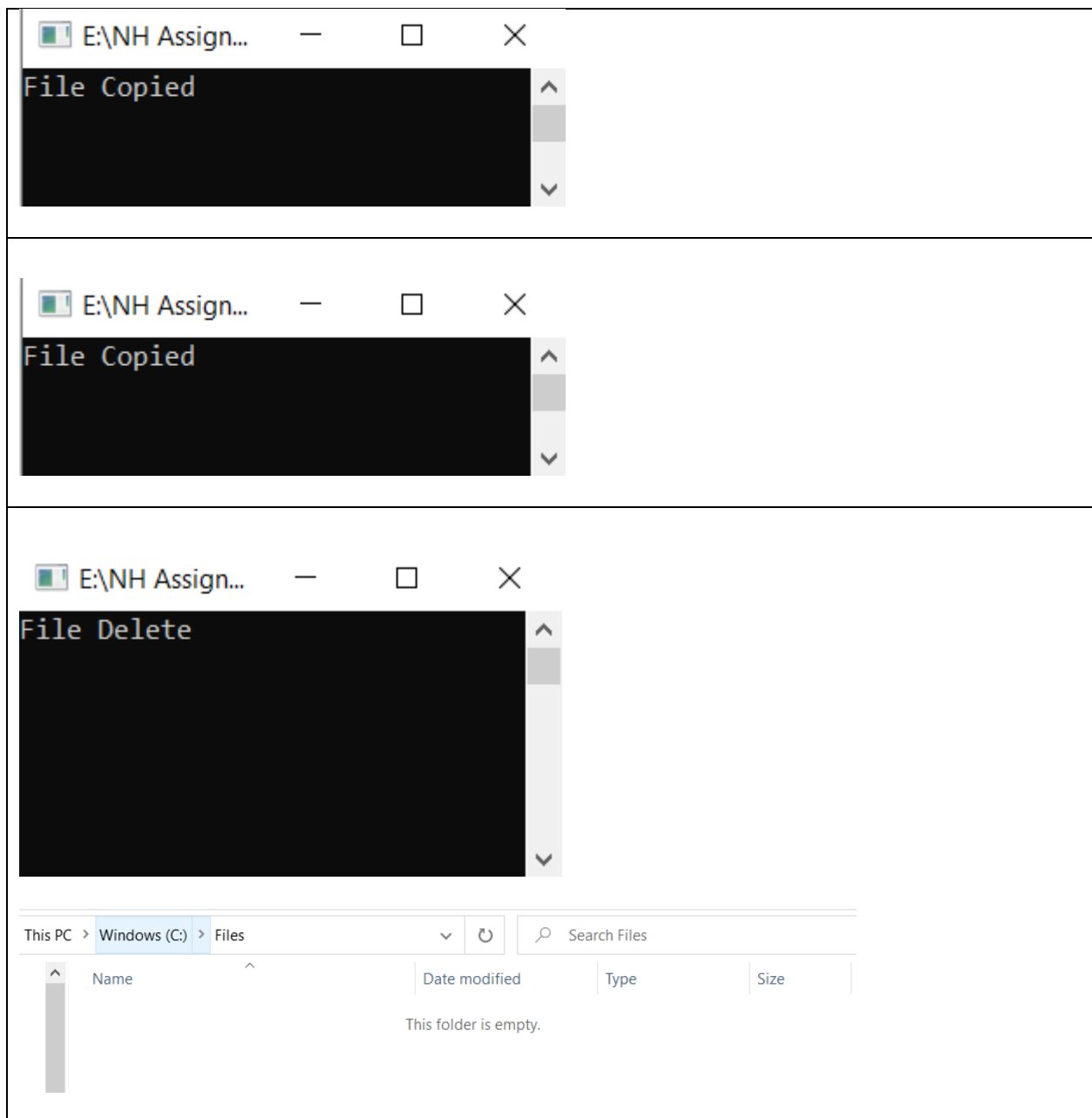| This PC > Windows (C:) > Files		⌄ ↻	🔎 Search Files	
Name		Date modified	Type	Size
		This folder is empty.		

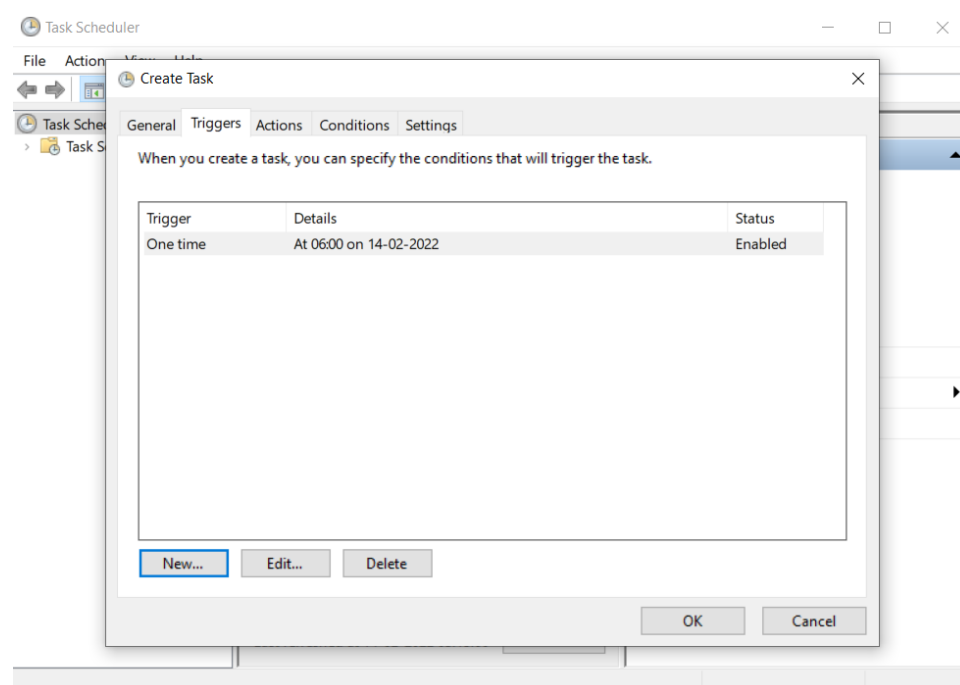| WACP to copy files from one folder to another folder. Schedule this job to be executed at daily some time. |
| --- |
| Code: |
| using System;
using System.Collections.Generic; |

```csharp
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.IO;
namespace Day_15_Project_2
{
    //Author: Mary Margaret
    //copying code from one to another folder
    internal class Program
    {
        static void Main(string[] args)
        {
            File.Copy("C:\\source\\copy.txt", "C:\\Files\\Hi.txt");
            Console.WriteLine("File Copied");

        }
    }
}
```

Output:

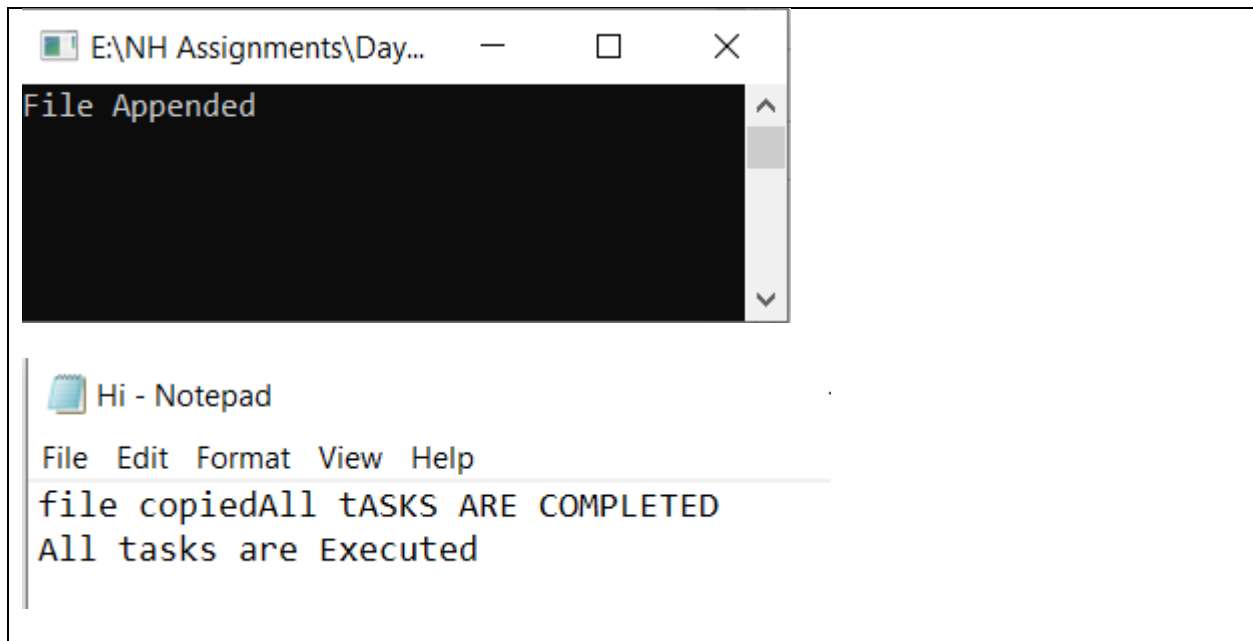**WACP to write data into file (and append the data) using Stream writer class**

Code:

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

namespace Day_15_Project_3
{
    //Author:Mary Margaret
    //file appended with stream writer
    internal class Program
    {
        static void Main(string[] args)
        {
            StreamWriter sw = new StreamWriter("C:\\Files\\Hi.txt", true);
            sw.WriteLine("\n");
            sw.WriteLine("All tASKS ARE COMPLETED");
            sw.WriteLine("All tasks are Executed");
            sw.Close();
            Console.WriteLine("File Appended");
            Console.ReadLine();
        }
    }
}
```

Output:

Research and write C# program to read data from file.
Code:

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

namespace DAY_15_Project_4
{
    //Author:Mary Margaret
    //using Stream Reader
    internal class Program
    {
        static void Main(string[] args)
        {
            StreamReader sr = new StreamReader("C:\\Files\\Hi.txt");
            string data = sr.ReadLine();
```

```
        while (data != null)
        {
            Console.WriteLine(data);
            data = sr.ReadLine();
        }
        Console.WriteLine("\n\n\nReading done");
        Console.ReadLine();
    }
  }
}
```
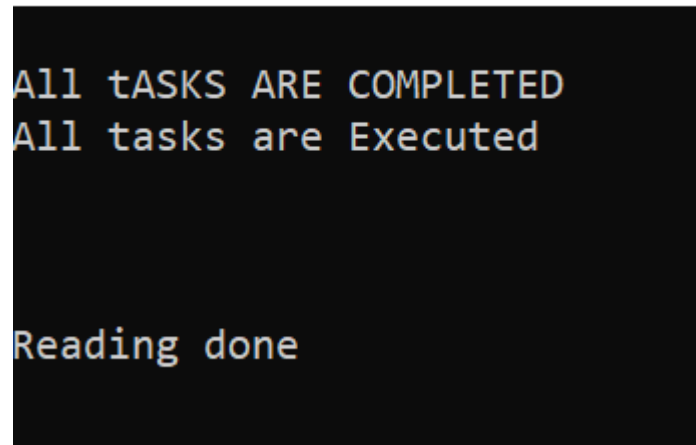
Output:

```
All tASKS ARE COMPLETED
All tasks are Executed




Reading done
```

Modify the quiz application to save the name and score in the flat file. No need to display the score to the end user.
Code:
using System; using System.Collections.Generic; using System.Linq; using System.Text; using System.Threading.Tasks;

```csharp
using System.IO;
namespace Day_15_Project
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int score = 0, ans;
            string name;

            Console.WriteLine("Enter your name");
            name = Console.ReadLine();
            Console.WriteLine("Hi {0}, Welcome to Margaret {1} Quiz {2}", name, name, score);
            Console.WriteLine("Q1. Who is the music director of Bahubali ?");
            Console.WriteLine("1.S.Thaman  2.A.R.Rahman  3.M.M.Keeravani  4.Anup Rubens");
            Console.WriteLine("Enter your choice:");
            ans = Convert.ToInt32(Console.ReadLine());
            if (ans == 3)
                score += 20;
            Console.WriteLine("Q2. who sang Maguva Maguva song from vakeel saab movie ?");
            Console.WriteLine("1.Sid Sriram  2.Sunitha  3.Anup Rubens  4.Revanth");
            Console.WriteLine("Enter your choice:");
            ans = Convert.ToInt32(Console.ReadLine());
            if (ans == 1)
                score += 20;
            Console.WriteLine("Q3. Who wrote gelupu thalupule song from Theen maar movie ?");
            Console.WriteLine("1.Chandrabose  2.Ramajogayya Sastry  3.Bhaskarabhatla Ravi Kumar
4.Rahman");
            Console.WriteLine("Enter your choice:");
            ans = Convert.ToInt32(Console.ReadLine());
            if (ans == 4)
                score += 20;
            Console.WriteLine("Q4. Who is the music director of pushpa ?");
            Console.WriteLine("1.S.Thaman  2.Devi Sri Prasad  3.M.M.Keeravani  4.Sid Sriram");
            Console.WriteLine("Enter your choice:");
            ans = Convert.ToInt32(Console.ReadLine());
            if (ans == 2)
                score += 20;
            Console.WriteLine("Q5. Who composed song amma amma from Raghuvaran B.Tech ?");
            Console.WriteLine("1.Rahman  2.Anup Rubens  3.Anirudh Ravichander  4.Devi Sri Prasad");
            Console.WriteLine("Enter your choice:");
            ans = Convert.ToInt32(Console.ReadLine());
            if (ans == 3)
                score += 20;
            StreamWriter sw = new StreamWriter("C:\\Files\\quiz.txt");
            sw.WriteLine(name);
            sw.WriteLine(score);
            sw.Close();
```
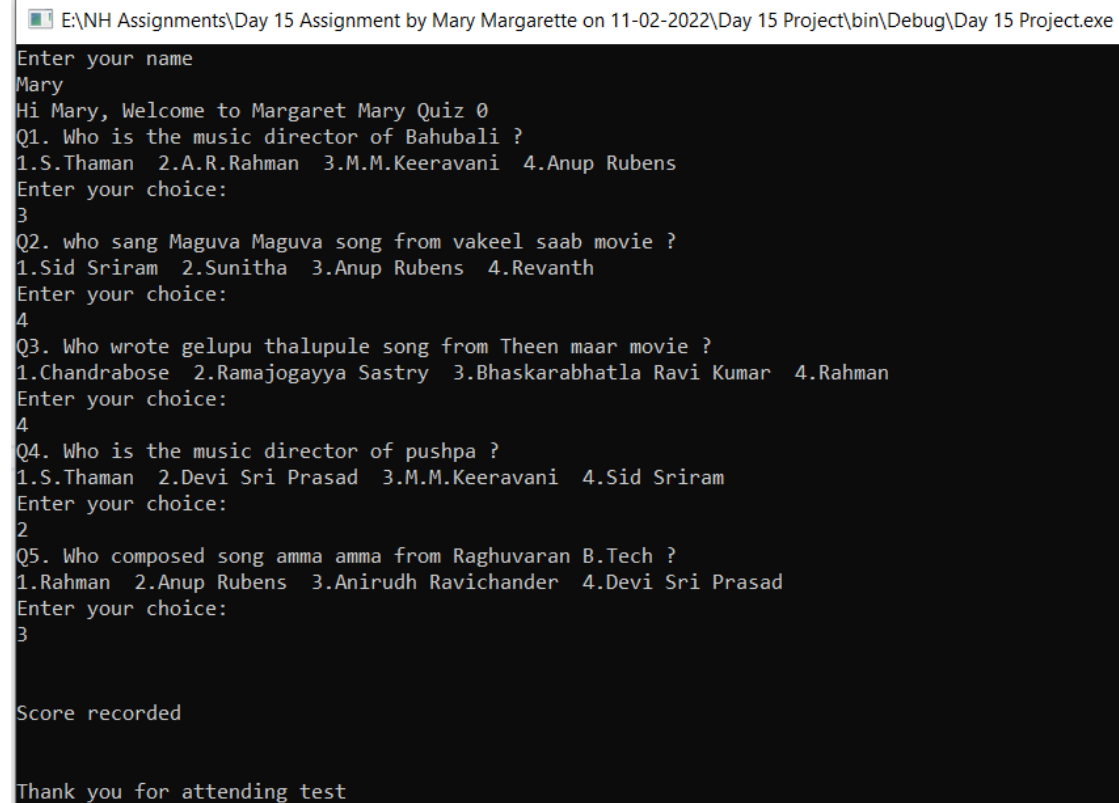
```
            Console.WriteLine("\n\nScore recorded");
            Console.WriteLine("\n\nThank you for attending test");
            Console.ReadLine();
        }
    }
}
```

Output:

```
Enter your name
Mary
Hi Mary, Welcome to Margaret Mary Quiz 0
Q1. Who is the music director of Bahubali ?
1.S.Thaman  2.A.R.Rahman  3.M.M.Keeravani  4.Anup Rubens
Enter your choice:
3
Q2. who sang Maguva Maguva song from vakeel saab movie ?
1.Sid Sriram  2.Sunitha  3.Anup Rubens  4.Revanth
Enter your choice:
4
Q3. Who wrote gelupu thalupule song from Theen maar movie ?
1.Chandrabose  2.Ramajogayya Sastry  3.Bhaskarabhatla Ravi Kumar  4.Rahman
Enter your choice:
4
Q4. Who is the music director of pushpa ?
1.S.Thaman  2.Devi Sri Prasad  3.M.M.Keeravani  4.Sid Sriram
Enter your choice:
2
Q5. Who composed song amma amma from Raghuvaran B.Tech ?
1.Rahman  2.Anup Rubens  3.Anirudh Ravichander  4.Devi Sri Prasad
Enter your choice:
3


Score recorded


Thank you for attending test
```