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| Day-15 Morning Assignment  By  U.Joshna  [11-02-2022] |

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| 1. Write a C# Code with at least 10 methods, in File Operations. |
| Code: |
| using System;  using System.IO;  using System.Text;    namespace Day\_15\_Project1  {  internal class Program  {  static void Main(string[] args)  {    // Assigning a File Path using Verbatim String Manipulation method.  string fileName = @"E:\NHTraining1\FileOperations.txt";    // Creating a File with Given File Path  StreamWriter sw = File.CreateText(fileName);    // When we Use WriteLine Method in StreamWriter class,  // It will Write in New Line each time it is called.  sw.WriteLine("Hi this is my first File Operations using C# code");    // The below statement is to have an empty line break in the file.  sw.WriteLine("");  sw.WriteLine("Writing Data using StringWriter, by using WriteLine Method.");    // When We Use Write Method in StreamWriter Class,  // it will start from the place of Cursor Exits after the last update, If Any.  sw.Write("This Line is by Write Method");  sw.Write("This is Second Line using Write Method\n");  sw.Close();    // Appending a Text  sw = File.AppendText(fileName);  sw.WriteLine("This");  sw.WriteLine("is Extra");  sw.WriteLine("Text");  Console.WriteLine("\nFile Appending is Done by Append\_Text Method.");  // We Need to Close the File, When ever we Create/open/Read a File, in file Operations.  sw.Close();    // Reading a File Using OpenText() Method  StreamReader sr = File.OpenText(fileName);  string s;  Console.WriteLine("\n");  while ((s = sr.ReadLine()) != null)  Console.WriteLine(s);    sr.Close();      string fileNewPath = @"E:\FileOperations.txt";  // Moving a File From One Path to Another Path  if (File.Exists(fileNewPath))  File.Delete(fileNewPath);  Console.WriteLine("\nAlready the File is Present, So Deleting the old file & Creating a New File.");    File.Move(fileName, fileNewPath);  Console.WriteLine("\nFile Moved to New Path, Successfuly [E:/FileOperations.txt]");    // Copying the File From NewPAth to Old path to make a Duplicate.  /\*if (File.Exists(fileName))  File.Delete(fileName);  Console.WriteLine("\nAlready the File is Present, So Deleting the old file & Creating a New File.");\*/    File.Copy(fileNewPath, fileName);  Console.WriteLine("\nFile Copying is Done Successfully, to old Path\n");    // Opening a Text File  File.OpenText(fileName).Close();  Console.WriteLine("\nFile opened Successfully, without any Errors");  string appendText = "This is an Extra text from Append\_All\_Text Method";  File.AppendAllText(fileName, appendText, Encoding.UTF8);    Console.WriteLine("\nFile Appended with Extra Text , Successfully");    string readText = File.ReadAllText(fileName);  Console.WriteLine("\n\n Reading All Text From the File\n");  Console.WriteLine(readText);    Console.ReadLine();  }  }  } |
| Output: |
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| 2.Write a C# Code, to copy from one folder to another folder, by scheduling the job using Task Schedular in Windows OS. |
| Code: |
| using System;  using System.IO;  using System.Text;    namespace Day\_15\_Project\_2  {  internal class Program  {  static void Main(string[] args)  {  string filePath = @"E:\NHTraining1\\FileOperations.txt";  string TaskSchedularPath = @"E:\NHTraining1\TaskSchedularPath.txt";    if (File.Exists(TaskSchedularPath))  File.Delete(TaskSchedularPath);  File.Copy(filePath, TaskSchedularPath);  Console.WriteLine("File Copying is Done");  Console.ReadKey();  }  }  } |
| Output: |
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| 3.Write a C# Code, to write data into file/append the data Using Stream Writer Class. |
| Code: |
| using System;  using System.IO;  using System.Text;    namespace Day\_15\_Project\_3  {  internal class Program  {  static void Main(string[] args)  {    StreamWriter sw = new StreamWriter(@"E:\NHTraining1\StreamWriterExample.txt");  sw.WriteLine("Hi this is Joshna");  sw.WriteLine("This is a File Operation using StreamWriter with WriteLine Method");  sw.Close();  Console.WriteLine("\n Writing File Is done, by using Stream Writer Class by writeLine Method.\n");        StreamWriter writer = new StreamWriter(@"E:\NHTraining1\StreamWriterAppendExample.txt", true);    writer.WriteLine("This is From New object of Stream Writer,");  writer.WriteLine("using Append by assigning True, while creating object for StreamWriter");  writer.Close();  Console.WriteLine("\n Appending is done, by using Stream Writer Class, By Enabling Append Method(true).");    Console.ReadKey();  }  }  } |
| Output: |
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| 4. Write a C# Code, To Read Data From a File, Using File Operations. |
| Code: |
| using System;  using System.IO;  using System.Text;    namespace Day\_15\_Project\_4  {  internal class Program  {  static void Main(string[] args)  {    StreamWriter writer = new StreamWriter(@"E:\NHTraining1\StreamWriterAppendExample.txt", true);    writer.WriteLine("This is From New object of Stream Writer,");  writer.WriteLine("using Append by assigning True, while creating object for StreamWriter");    writer.Close();  Console.WriteLine("\n Appending is done, by using Stream Writer Class, By Enabling Append Method(true).");      StreamReader reader = new StreamReader(@"E:\NHTraining\StreamWriterAppendExample.txt");    reader.ReadToEnd();    reader.Close();  Console.WriteLine("\n Reading is done, by using Stream Writer Class, by ReadToEnd Method.");    Console.ReadKey();  }  }  } |
| Output: |
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| 5.Write a C# Code, for Quiz Application & store the Scores in Flat File. |
| Code: |
| using System;  using System.IO;  using System.Text;  namespace Day\_15\_Project\_5  {  internal class Program  {  static void Main(string[] args)  {  Console.WriteLine("\n\t\t\t \_\_\_\_::: Welcome To The Quiz Program By U.Joshna :::\_\_\_\_\t\t\t\n");  //Variable Declaration Section  int score = 0, ans;  string name;  Console.Write(" Enter The Name Of The Participant : ");  name = Console.ReadLine();    Console.WriteLine($"\n\t\tHi {name}, You are About To begin The Quiz on Bhahubali Movie\n");  //Question No:1  Console.WriteLine("\nQ1. Which Characters Should watch in Bhahubali");    Console.WriteLine("\n1. Bhahubali 2. Ballala Dheva 3.Rose 4.lilly");    Console.Write("\nEnter Your Answer : ");  ans = Convert.ToInt32(Console.ReadLine());  if (ans == 1)  score += 20;  //Question No:2  Console.WriteLine("\n\nQ2. Who is the Top Most Characters in Bhahubali Movie");  Console.WriteLine("\n1.karthik 2.Sagar 3.Dhevasena 4. Kattappa");    Console.Write("\nEnter Your Answer : ");  ans = Convert.ToInt32(Console.ReadLine());  if (ans == 2)  score += 20;  //Question No:3  Console.WriteLine("\n\nQ What are the Characters inn Arya 2 Movie");  Console.WriteLine(("\n1.Arya 2.Latha 3.Geetha 4.Sai"));  Console.WriteLine("\nEnter Your Answer : ");  ans = Convert.ToInt32(Console.ReadLine());  if (ans == 3)  score += 20;  //Question No:4  Console.WriteLine("\n\nQ4. Which Characters are in Darling Movie");  Console.WriteLine("\n1.Prabha 2.Nandhini 3.Arjun 4.Revanth");    Console.Write("\nEnter Your Answer : ");  ans = Convert.ToInt32(Console.ReadLine());  if (ans == 2)  score += 20;  //Question No:5  Console.WriteLine("\n\nQ5. What was the Characters in Magadheera Movie");  Console.WriteLine("\n1.Kala Bhairava 2.Renuka 3.Lakshna 4.Rana Dhev Billa");    Console.Write("\nEnter Your Answer : ");  ans = Convert.ToInt32(Console.ReadLine());  if (ans == 4)  score += 20;  StreamWriter sw = new StreamWriter(@"E:\NHTraining1\Scores\_Results.txt", true);  sw.WriteLine(" Name : {0} \n\t Score : {1}\n", name, score);  sw.Close();    Console.WriteLine("\n\t \_\_\_\_:::\*\*\* Congratulations, Your Scores got submitted to the Admin \*\*\*:::\_\_\_\_\n");    Console.ReadLine();  }  }  } |
| Output: |
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