Day 19 – Assignment

17-Feb,2022

By Manoj Karnatapu - NBHealthCareTechnologies

nb healthcare technologies

An IT division of NationsBenefits, LLC. USA.

Assignment 1

Write C# code to read xml file and print the content from the file.

Code

```csharp
using System;
using System.Xml;
// Author : Manoj.Karnatapu
// Purpose : C# Code To read Xml Data from a Xml file & printing the data to the Console.

// For Reference, Check Day19Project1 in the same Repository.

namespace Day19Project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument doc = new XmlDocument();
            doc.Load(@"D:\C#\GitHub\Day19Project1\TagBasedXML.xml");
            foreach (XmlNode node in doc.DocumentElement.ChildNodes)
            {
                string text = node.InnerText;
                Console.WriteLine(text);
            }
            Console.ReadLine();
        }
    }
}
```

Output

```
C:\Windows\system32\

1RedMiNote313000
2RedMiNote616000
3RealMeNote1114999
4Vivo11Pro18000
5OppoReno15999
6OnePlus9R48999
7Iphone13103000
8SamsungGalaxy979989
9NokiaLumia99086949
10SurfaceTab698999

Press any key to continue . . .
```

Assignment 2

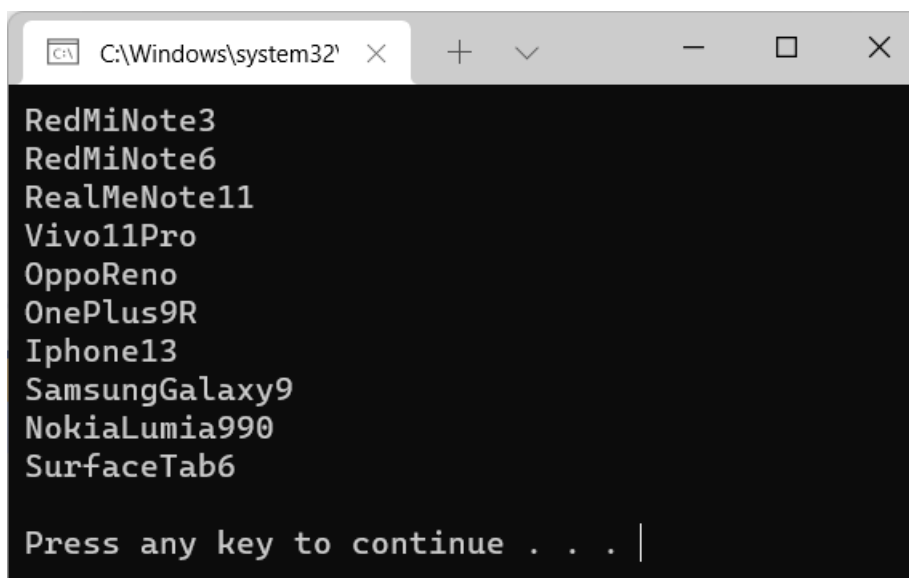Write C# code to read xml file and print only employee names from the xml

Code

```csharp
using System;
using System.Xml;

// Author : Manoj.Karnatapu
// Purpose : C# Code To read Xml Data from a Xml file & printing the data of Only Names to
the Console.

// For Reference, Check Day19Project1 in the same Repository.

namespace Day19Project2
{
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument doc = new XmlDocument();
            doc.Load(@"D:\C#\GitHub\Day19Project1\TagBasedXML.xml");
            foreach (XmlNode node in doc.DocumentElement.ChildNodes)
            {
                foreach (XmlNode childNode in node.ChildNodes)
                {
                    if (childNode.Name == "Name")
                    {
                        Console.WriteLine(childNode.InnerText);
                    }
                }
            }
            Console.ReadLine();
        }
    }
}
```

Output


```
RedMiNote3
RedMiNote6
RealMeNote11
Vivo11Pro
OppoReno
OnePlus9R
Iphone13
SamsungGalaxy9
NokiaLumia990
SurfaceTab6

Press any key to continue . . .
```

Assignment 3

Write C# code to read xml file and print the data from xml in (,) separation.

Code
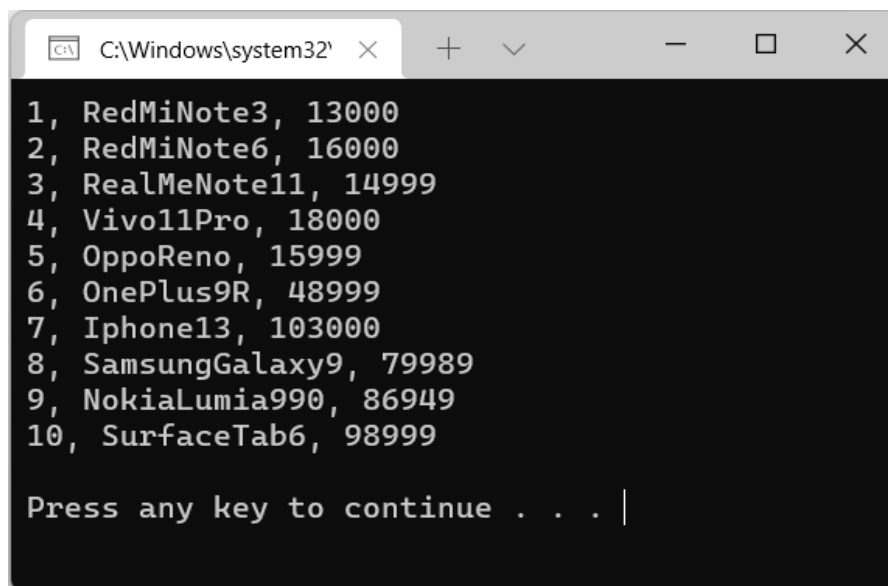
```csharp
using System;
using System.Xml;
```

```csharp
// Author : Manoj.Karnatapu
// Purpose : C# Code To read Xml Data from a Xml file & printing the data of Only Names to
the Console.

// For Reference, Check Day19Project3 in the same Repository.

namespace Day19Project3
{
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument doc = new XmlDocument();
            doc.Load(@"D:\C#\GitHub\Day19Project1\TagBasedXML.xml");
            foreach (XmlNode node in doc.DocumentElement.ChildNodes)
            {
                foreach (XmlNode childNode in node.ChildNodes)
                {
                    if (childNode.Name == "ID")
                    {
                        Console.Write("{0}, ",childNode.InnerText);
                    }
                    if (childNode.Name == "Name")
                    {
                        Console.Write("{0}, ", childNode.InnerText);
                    }
                    if (childNode.Name == "Price")
                    {
                        Console.Write("{0}\n", childNode.InnerText);
                    }
                }
            }
            Console.ReadLine();
        }
    }
}
```

Output

```
C:\Windows\system32\

1, RedMiNote3, 13000
2, RedMiNote6, 16000
3, RealMeNote11, 14999
4, Vivo11Pro, 18000
5, OppoReno, 15999
6, OnePlus9R, 48999
7, Iphone13, 103000
8, SamsungGalaxy9, 79989
9, NokiaLumia990, 86949
10, SurfaceTab6, 98999

Press any key to continue . . .
```

Assignment 4

Read Employee ID from user and write C# code to get the employee name from XML for given id

Code

```csharp
using System;
using System.Xml;

// Author : Manoj.Karnatapu
// Purpose : C# Code To read Xml Data from a Xml file & printing the data name for the User Given
ID.

// For Reference, Check Day19Project4 in the same Repository.

namespace Day19Project4
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.Write("\nEnter Any ID Number from 1- 10, To find the Product : ");
            int input = int.Parse(Console.ReadLine());

            XmlDocument doc = new XmlDocument();
            doc.Load(@"D:\C#\GitHub\Day19Project4\AttributeBasedXML.xml");
            var Mobile = doc.GetElementsByTagName("Mobile")[input - 1].Attributes["Name"].Value;
            Console.WriteLine(Mobile);

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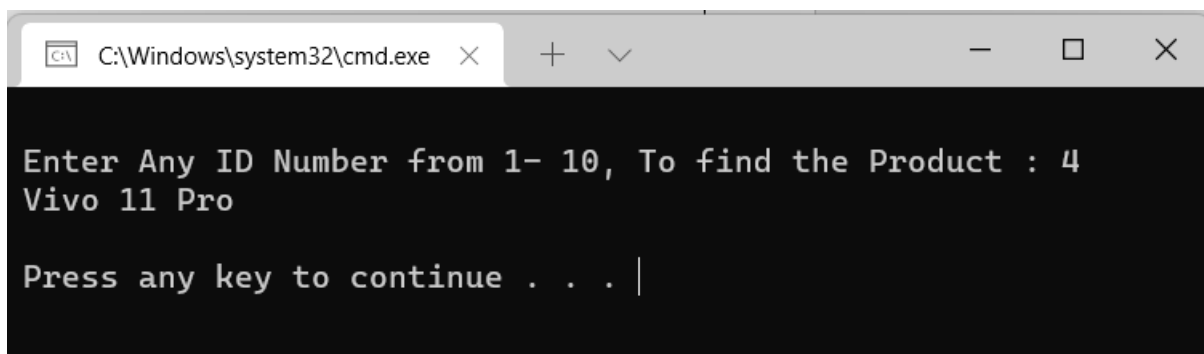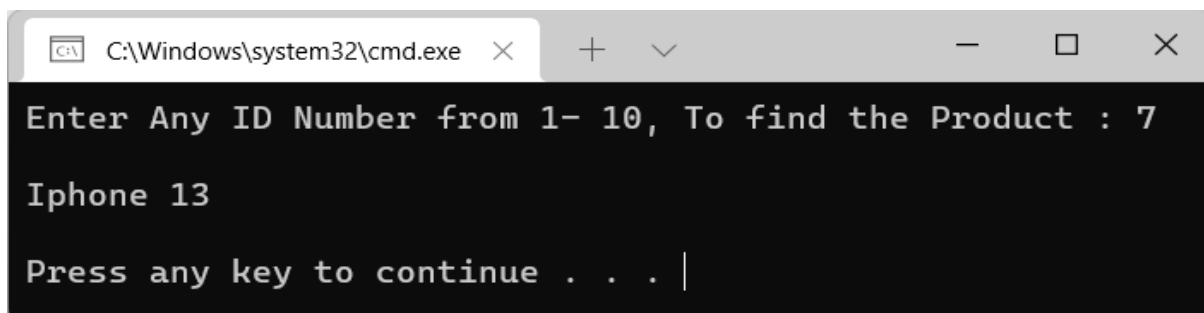
Output

```
C:\Windows\system32\cmd.exe

Enter Any ID Number from 1- 10, To find the Product : 4
Vivo 11 Pro

Press any key to continue . . .
```

```
C:\Windows\system32\cmd.exe

Enter Any ID Number from 1- 10, To find the Product : 7

Iphone 13

Press any key to continue . . .
```

Assignment 5

Write C# code to read JSON file and print the content from the file.

Code

Output

Assignment 6

Write C# code to read JSON file and print only employee names from the JSON.

Code

Output

Assignment 7

Write C# code to read JSON file and print the data from JSON in (,) separation.

Code

Output

Assignment 8

Read Employee ID from user and write C# code to get the employee name from XML for this id

Code

Output