

Day 19 Assignment  
By M Mary Margarette  
On 17-02-2022

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

```
=====
<Employees>
  <Employee>
    <ID>1</ID>
    <Name>Meghnad</Name>
    <Salary>2000</Salary>
  </Employee>
  <Employee>
    <ID>2</ID>
    <Name>Raj</Name>
    <Salary>3000</Salary>
  </Employee>
</Employees>
```

Sample Output:

```
=====
1Meganadh2000
2Raj3000
```

Code:

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

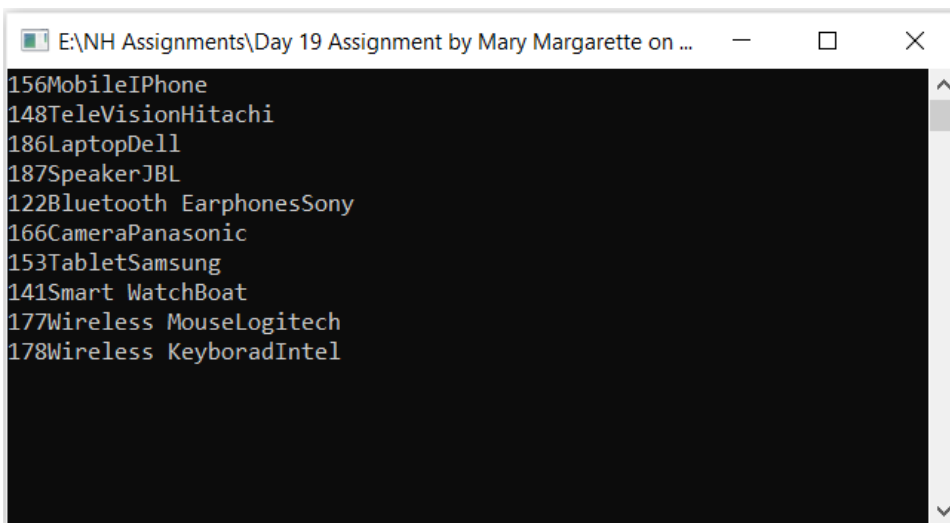
namespace Day_19_Project_1
{
    //Author : Mary Margaret
    //read xml file
```

```

internal class Program
{
    static void Main(string[] args)
    {
        XmlDocument xml = new XmlDocument();
        xml.Load("E:\\NH Assignments\\Day 18 Assignment by Mary Margarette on 16-02-2022\\Tag.xml");
        foreach(XmlNode xml2 in xml.DocumentElement.ChildNodes)
        {
            Console.WriteLine(xml2.InnerText);
        }
        Console.ReadLine();
    }
}

```

Output:



```

E:\\NH Assignments\\Day 19 Assignment by Mary Margarette on ...
156MobileIPhone
148TeleVisionHitachi
186LaptopDell
187SpeakerJBL
122Bluetooth EarphonesSony
166CameraPanasonic
153TabletSamsung
141Smart WatchBoat
177Wireless MouseLogitech
178Wireless KeyboradIntel

```

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

Sample Output:

Meghnad

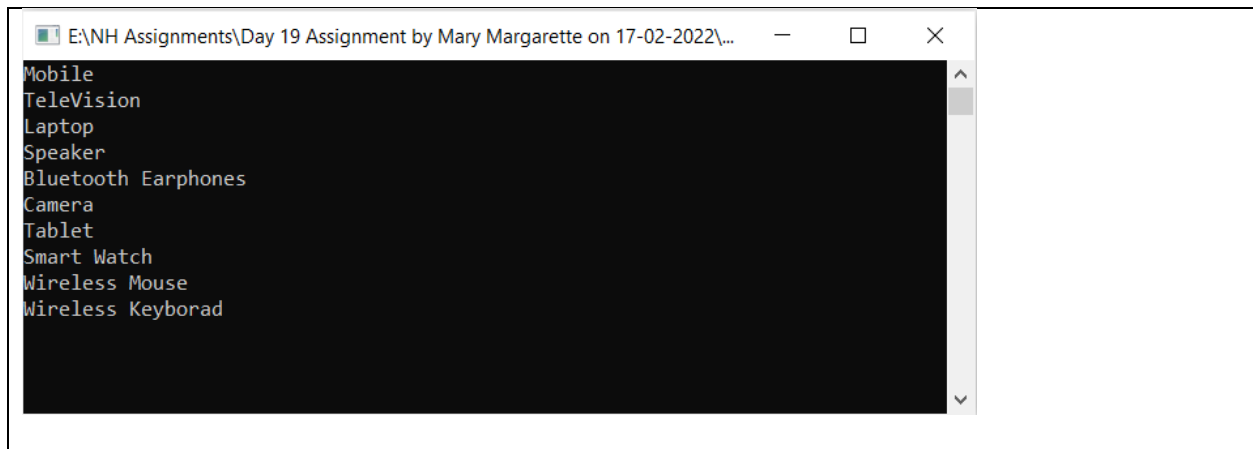
Raj

### Code:

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

namespace Day_19_Project_2
{
    //Author: Mary Margaret
    //Read xml file
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument xml = new XmlDocument();
            xml.Load("E:\\NH Assignments\\Day 18 Assignment by Mary Margarete
on 16-02-2022\\Tag.xml");
            foreach (XmlNode xml2 in xml.DocumentElement.ChildNodes)
            {
                foreach (XmlNode xml3 in xml2.ChildNodes)
                {
                    if (xml3.Name == "Name")
                        Console.WriteLine(xml3.InnerText);
                }
            }
            Console.ReadLine();
        }
    }
}
```

### Output:



Write C# code to read xml file and print as below information:

Sample Output:

1, Meganadh,2000

2, Raj,3000

Code:

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

namespace Day_19_Project_3
{
    //Author: Mary Margaret
    //read xml file
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument xml = new XmlDocument();
```

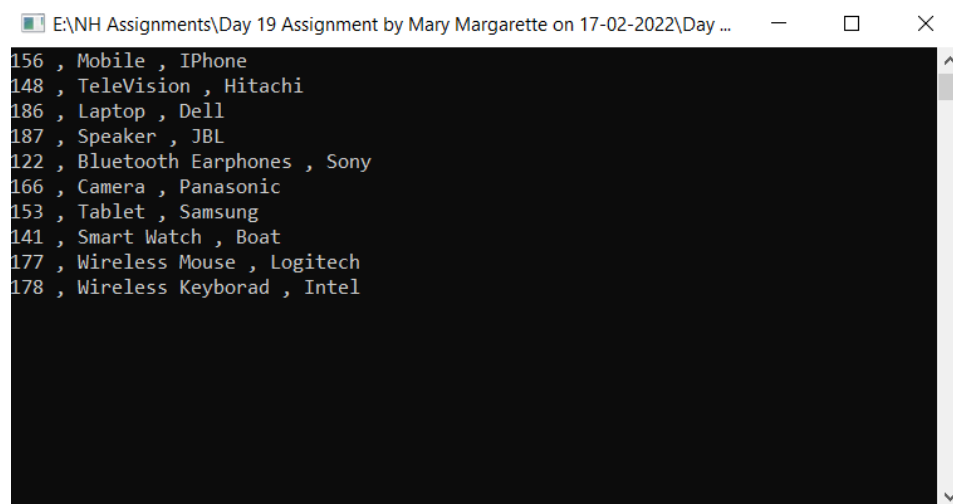
```

xml.Load("E:\\NH Assignments\\Day 18 Assignment by Mary Margarette
on 16-02-2022\\Tag.xml");
foreach (XmlNode xml2 in xml.DocumentElement.ChildNodes)
{
    foreach (XmlNode xml3 in xml2.ChildNodes)
    {
        if (xml3.Name == "ID")
        {
            Console.WriteLine($"{xml3.InnerText} , ");
        }
        if (xml3.Name == "Name")
        {
            Console.WriteLine($"{xml3.InnerText} , ");
        }
        if (xml3.Name == "Brand")
            Console.WriteLine($"{xml3.InnerText} \n");
    }
}
Console.ReadLine();

}
}
}

```

### Output:



```

E:\\NH Assignments\\Day 19 Assignment by Mary Margarette on 17-02-2022\\Day ...
156 , Mobile , iPhone
148 , TeleVision , Hitachi
186 , Laptop , Dell
187 , Speaker , JBL
122 , Bluetooth Earphones , Sony
166 , Camera , Panasonic
153 , Tablet , Samsung
141 , Smart Watch , Boat
177 , Wireless Mouse , Logitech
178 , Wireless Keyborad , Intel

```

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

Sample Input:

2

Sample Output:

Raj

Code:

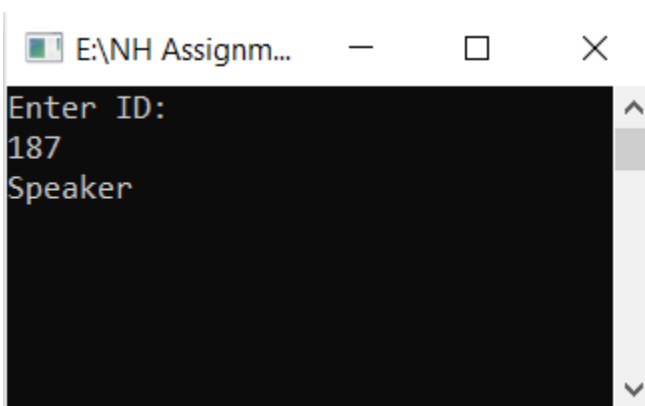
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Xml;

namespace Day_19_Project_4
{
    //Author:Mary Margaret
    //Read data from user for xml file
    internal class Program
    {
        static void Main(string[] args)
        {
            int i;
            Console.WriteLine("Enter ID:");
            i = Convert.ToInt32(Console.ReadLine());
            XmlDocument xml = new XmlDocument();
            xml.Load("E:\\NH Assignments\\Day 18 Assignment by Mary Margarette on 16-02-2022\\Tag.xml");
            foreach (XmlNode xml2 in xml.DocumentElement.ChildNodes)
            {
                foreach (XmlNode xml3 in xml2.ChildNodes)
                {
```

```
        bool id = xml3.Name == "ID";
        bool isIndex = (id == true ? Convert.ToInt32(xml3.InnerText) : 0) == i;
        if (id && isIndex)
        {
            Console.WriteLine($"{xml3.NextSibling.InnerText}");
        }
    }

    Console.ReadLine();
}
}
```

Output:



The screenshot shows a Windows console window titled "E:\NH Assignm...". The console has a black background with white text. The text displayed is: "Enter ID:", "187", and "Speaker". The text "Enter ID:" is on the first line, "187" is on the second line, and "Speaker" is on the third line. The window has standard Windows window controls (minimize, maximize, close) at the top.