

Day 19 Assignment
By
Sudha Kumari Sugasani

Q1. 1. Write C# code to read xml file and print the content from the file.

Sample XML:

=====

```
<Employees>
  <Employee>
    <ID>1</ID>
    <Name>Meganadh</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 Day19Project1
{
    /*****
     * Author:Sudha Kumari Sugasani
     * Purpose:Program to read XML file using C# code.
     * *****/
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument doc = new XmlDocument();

            doc.Load("C:\\NH\\XML Files\\Employee.xml");
            foreach(XmlNode node in doc.DocumentElement.ChildNodes)
            {
                string text = node.InnerText;
                Console.WriteLine(text);
            }
            Console.ReadLine();
        }
    }
}
```

```
}  
}
```

Output:

C:\NH\NET Projects\Day19Project1\Day19Pro

```
1Sudha5000  
2Lehana6000  
3Susmitha8000  
4Neeraja7000  
5Mounika4000  
6Meghana9000  
7Sireesha4500  
8Nikhila3500  
9Puja7500  
10Lavanya8500
```

Q2. Write C# code to read xml file and print only employee names from the xml

Sample Output:

Meganadh

Raj

Code:

```
using System;  
using System.Collections.Generic;  
using System.Linq;  
using System.Text;  
using System.Threading.Tasks;  
using System.Xml;  
  
namespace Day19Project2  
{  
    /*****  
     * Author:Sudha Kumari Sugasani  
     * Purpose:Program to read XML file using C# code and  
     *         printing only Employees names from XML  
     * *****/  
  
    internal class Program  
    {  
        static void Main(string[] args)  
        {  
            XmlDocument doc = new XmlDocument();  
  
            doc.Load("C:\\NH\\XML Files\\Employee.xml");  
            foreach (XmlNode node in doc.DocumentElement.ChildNodes)  
            {  
                foreach(XmlNode cnode in node.ChildNodes)  
                {  
                    if(cnode.Name=="Name")
```

```

        {
            Console.WriteLine(cnode.InnerText);
        }
    }

    Console.ReadLine();
}
}
}

```

Output:



```

C:\NH\NET Projects\Day19Pr
Sudha
Lehana
Susmitha
Neeraja
Mounika
Meghana
Sireesha
Nikhila
Puja
Lavanya

```

Q3. 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 Day19Project3
{
    /*****
     * Author:Sudha Kumari Sugasani
     * Purpose:Program to read XML file using C# code and
     *          printing details in XML file followed by ","
     * *****/

    internal class Program
    {
        static void Main(string[] args)
        {

```

```

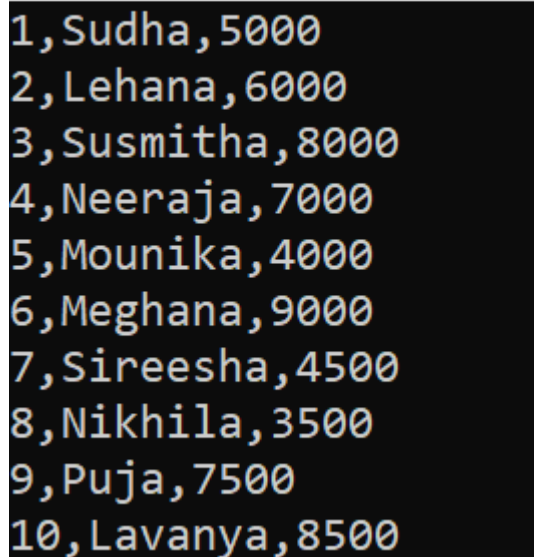
XmlDocument doc = new XmlDocument();

doc.Load("C:\\NH\\XML Files\\Employee.xml");
foreach (XmlNode node in doc.DocumentElement.ChildNodes)
{
    foreach (XmlNode cnode in node.ChildNodes)
    {
        if (cnode.Name == "ID")
        {
            Console.Write(cnode.InnerText);
        }
        if(cnode.Name=="Name")
        {
            Console.Write(", "+cnode.InnerText);
        }
        if(cnode.Name=="Salary")
        {
            Console.Write(", "+cnode.InnerText);
        }
        Console.WriteLine();
    }
    Console.ReadLine();
}
}
}

```

Output:

C:\NH\.NET Projects\Day19Project3\Day19P



```

1,Sudha,5000
2,Lehana,6000
3,Susmitha,8000
4,Neeraja,7000
5,Mounika,4000
6,Meghana,9000
7,Sireesha,4500
8,Nikhila,3500
9,Puja,7500
10,Lavanya,8500

```

Q4. Read Employee ID from user and write C# code to get the employee 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 Day19Project4
{
    /*****
    * Author:Sudha Kumari Sugasani
    * Purpose:Program to read XML file using C# code,reading
    *         input from the user and printing the value
    * *****/

    internal class Program
    {
        static void Main(string[] args)
        {
            int id;
            Console.WriteLine("Enter Id");
            id = Convert.ToInt32(Console.ReadLine());
            XmlDocument doc = new XmlDocument();

            doc.Load("C:\\\\NH\\\\XML Files\\\\Employee.xml");
            foreach (XmlNode node in doc.DocumentElement.ChildNodes)
            {
                bool isMatch = false;
                foreach (XmlNode cnode in node.ChildNodes)
                {
                    if (cnode.Name == "ID")
                    {
                        if (cnode.InnerText==id.ToString())
                        {
                            isMatch = true;
                        }
                        else
                        {
                            continue;
                        }
                    }
                    if(cnode.Name=="Name"&&isMatch==true)
                    {
                        Console.WriteLine(cnode.InnerText);
                        break;
                    }
                }
            }
            Console.ReadLine();
        }
    }
}
```

Output:

 C:\NH\NET Projects\Day19Pr

Enter Id

3

Susmitha