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:
```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Xml;
namespace Day19Project1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument doc = new XmlDocument();
            doc.Load("D:\\NB HealthCare Training\\DotNet Projects\\Day 19
Morning Assignment\\Employees.xml.xml");
```
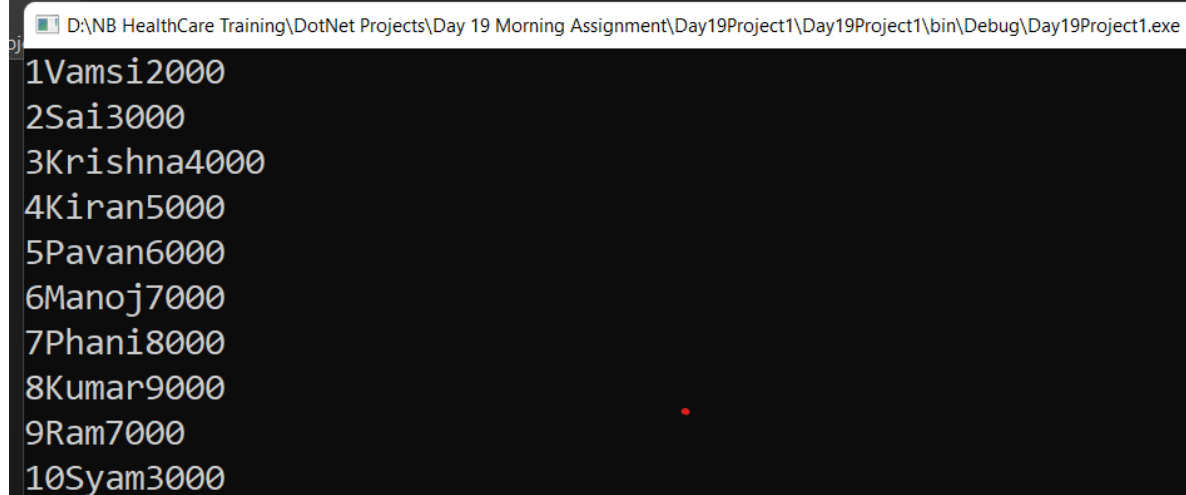
```
            //XmlNode node =
doc.DocumentElement.SelectSingleNode("/Employees/Employee");

            foreach (XmlNode node in doc.DocumentElement.ChildNodes)
            {
                string text = node.InnerText; //or loop through its children
as well
                Console.WriteLine(text);
            }
            Console.ReadLine();

        }
    }
}
```

Output:

```
1Vamsi2000
2Sai3000
3Krishna4000
4Kiran5000
5Pavan6000
6Manoj7000
7Phani8000
8Kumar9000
9Ram7000
10Syam3000
```

2. Write C# code to read xml file and print only employee names from the xml
Sample Output:
Meganadh
Raj

Code:

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

namespace Day_19_Project_2
```
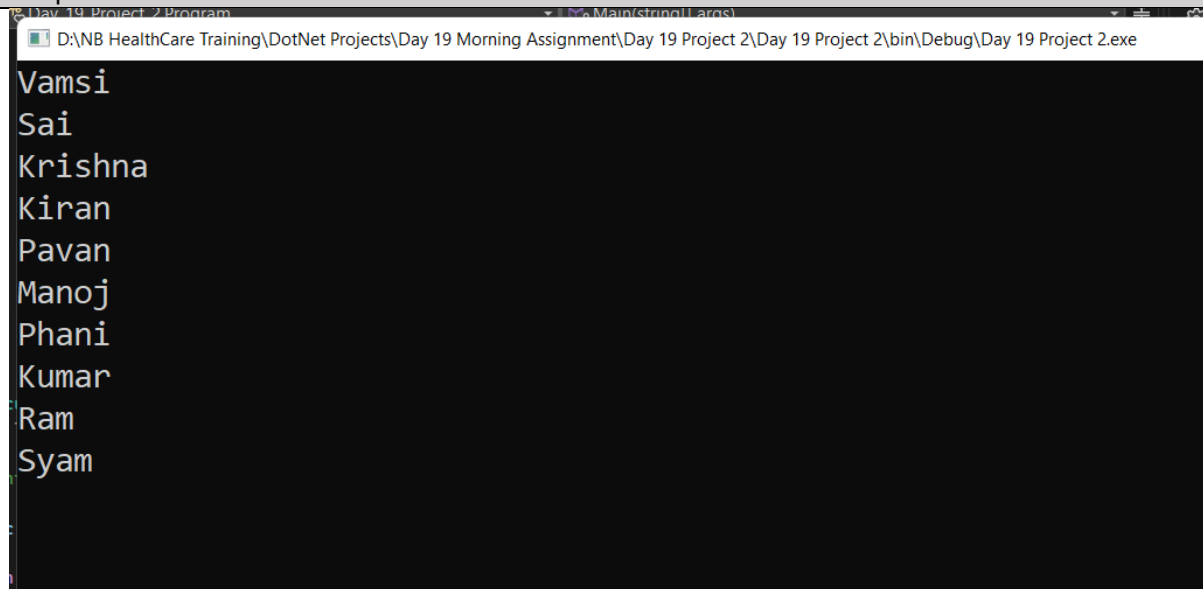
```
{
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument doc = new XmlDocument();
            doc.Load("D:\\NB HealthCare Training\\DotNet Projects\\Day
19 Morning Assignment\\Employees.xml.xml");

            //XmlNode node =
doc.DocumentElement.SelectSingleNode("/Employees/Employee");

            foreach (XmlNode node in doc.DocumentElement.ChildNodes)
            {
                foreach(XmlNode cnode in node.ChildNodes)
                {
                    if (cnode.Name == "Name")
                    {
                        Console.WriteLine(cnode.InnerText);
                    }
                }
            }
            Console.ReadLine();
        }
    }
}
```

Output:

D:\NB HealthCare Training\DotNet Projects\Day 19 Morning Assignment\Day 19 Project 2\Day 19 Project 2\bin\Debug\Day 19 Project 2.exe

```
Vamsi
Sai
Krishna
Kiran
Pavan
Manoj
Phani
Kumar
Ram
Syam
```

3. Write C# code to read xml file and print as below information:
Sample Output:
1,Meganadh,2000

Code:

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

namespace Day_19_Project3
{
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument doc = new XmlDocument();
            doc.Load("D:\\NB HealthCare Training\\DotNet Projects\\Day 19 Morning Assignment\\Employees.xml.xml");

            //XmlNode node = doc.DocumentElement.SelectSingleNode("/Employees/Employee");

            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}\n");

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

Output:

```
1,Vamsi,2000
2,Sai,3000
3,Krishna,4000
4,Kiran,5000
5,Pavan,6000
6,Manoj,7000
7,Phani,8000
8,Kumar,9000
9,Ram,7000
10,Syam,3000
```

4. 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:

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

namespace Day19Project4
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter id:");
            int id = Convert.ToInt32(Console.ReadLine());

            XmlDocument doc = new XmlDocument();
            doc.Load("D:\\NB HealthCare Training\\DotNet Projects\\Day 19 Morning Assignment\\Employees.xml.xml");

            //XmlNode node = doc.DocumentElement.SelectSingleNode("/Employees/Employee");

            foreach (XmlNode node in doc.DocumentElement.ChildNodes)
            {
                bool isMatch = false;
                foreach (XmlNode cnode in node.ChildNodes)
                {
```

```csharp
                    if(cnode.Name == "ID")
                    {
                        if(cnode.InnerText == id.ToString())
                        {
                            isMatch = true;
                        }

                    }
                    if (cnode.Name == "Name" && isMatch)
                    {
                        Console.WriteLine(cnode.InnerText);
                        break;
                    }
                }
            }
            Console.ReadLine();
        }
    }
}
```

Output:

D:\NB HealthCare Training\DotNet Projects\Day 19 Morning Assignment\Day19Project4\Day19Project4\bin\Debug\Day19Project4.exe

```
Enter id:
1
Vamsi
```