DAY 19 ASSIGNMENT

-- BY SARATH KASIMSETTY

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

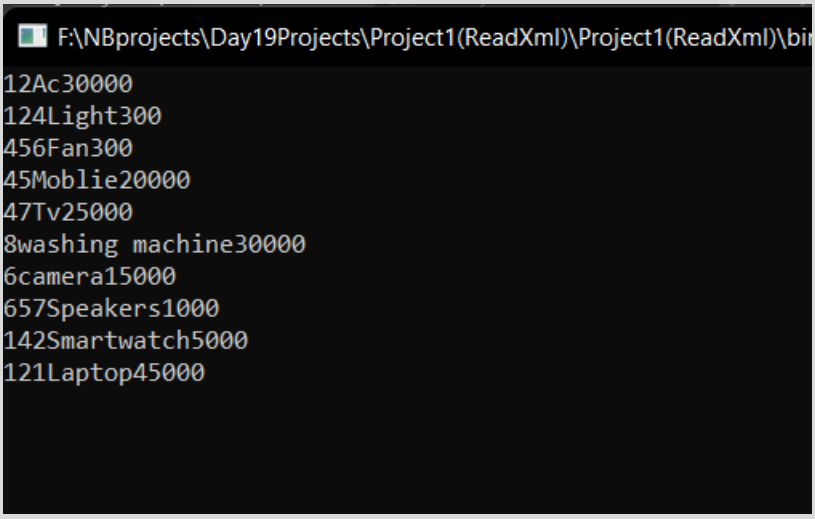
CODE:

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

namespace Project1_ReadXml_
{
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument doc = new XmlDocument();
            doc.Load("F:\\File data\\tagsbased.xml");

            foreach(XmlNode node in doc.DocumentElement.ChildNodes)
            {
                string text = node.InnerText;
                Console.WriteLine(text);
            }
            Console.ReadLine();
        }
    }
}
```

OUTPUT:



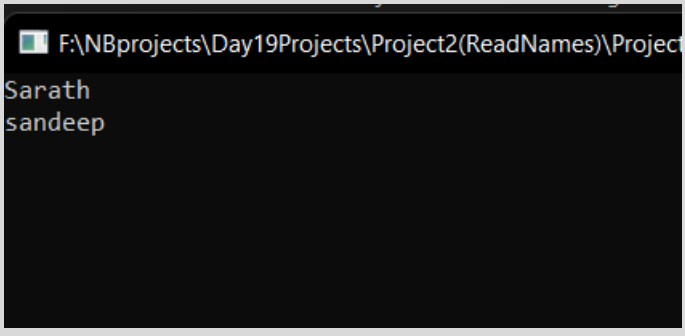
2) Write C# code to read xml file and print only employee names from the xml

EXAMPLE

CODE 1:

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

namespace Project2_ReadNames_
{
    internal class Program
    {
        static void Main(string[] args)
        {
            using (XmlReader reader = XmlReader.Create(@"F:\File data\Employes.xml"))
            {
                while (reader.Read())
                {
                    if (reader.IsStartElement())
                    {
                        //return only when you have START tag
                        switch (reader.Name.ToString())
                        {
                            case "Name":
                                Console.WriteLine( reader.ReadString());
                                break;
                        }
                    }
                }
            }
            Console.Read();
        }
    }
}
```



CODE 2:

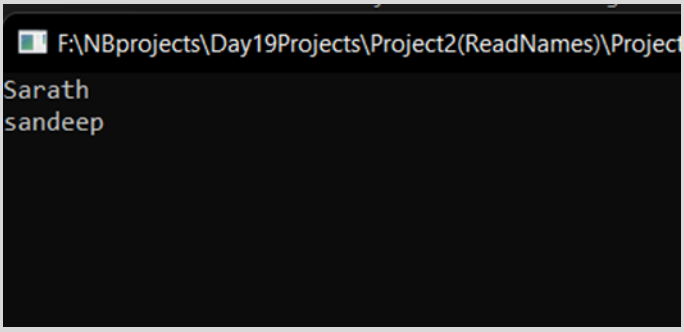
```
using System;
using System.Collections.Generic;
using System.Linq;
```

```
using System.Text;
using System.Threading.Tasks;
using System.Xml;

namespace Project2_ReadNames_
{
    internal class Program
    {
        static void Main(string[] args)
        {
            XmlDocument doc = new XmlDocument();
            doc.Load("F:\\File data\\Employes.xml");

            foreach(XmlNode node in doc.DocumentElement.ChildNodes)
            {
                foreach(XmlNode node1 in node.ChildNodes)
                {
                    if(node1.Name=="Name")
                    {
                        Console.WriteLine(node1.InnerText);
                    }
                }
            }
            Console.Read();

        }
    }
}
```



3. Write C# code to read xml file and print as below information:
Sample Output:
1,Meganadh,2000
2,Raj,3000

CODE:

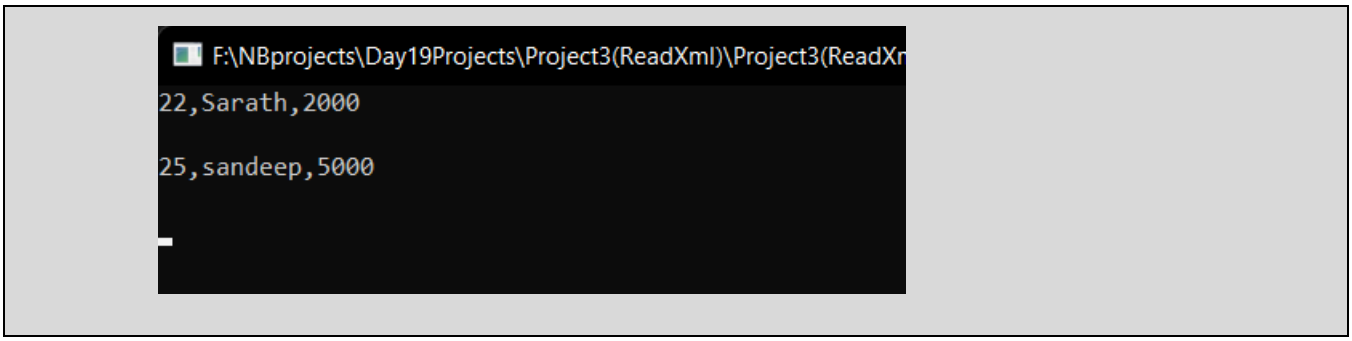
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Xml;

namespace Project3_ReadXml_
{
    internal class Program
    {
        static void Main(string[] args)
        {
                XmlDocument doc = new XmlDocument();
                doc.Load("F:\\File data\\Employes.xml");

            foreach (XmlNode node in doc.DocumentElement.ChildNodes)
            {
                foreach (XmlNode node1 in node.ChildNodes)
                {
                    if (node1.Name == "Id")
                    {
                        Console.Write("{0},", node1.InnerText);
                    }
                    if (node1.Name == "Name")
                    {
                        Console.Write("{0},", node1.InnerText);
                    }
                    if (node1.Name == "Salary")
                    {
                        Console.WriteLine("{0}\n", node1.InnerText);
                    }
                }
            }
            Console.ReadLine();


        }
    }
}
```

OUTPUT:



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

EXAMPLE:

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 Project4_ReadInputToPrint_
{
    internal class Program
    {
        static void Main(string[] args)
        {

            Console.WriteLine("Please Enter the ID of the file");
            int input = Convert.ToInt32(Console.ReadLine());

            // new doc instance
            XmlDocument doc = new XmlDocument();
            doc.Load("F:\\File data\\tagsbased.xml");

            foreach (XmlNode node in doc.DocumentElement.ChildNodes)
            {
                bool isMatch = false;
                foreach (XmlNode node1 in node.ChildNodes)
                {
                    if (node1.Name == "id")
                    {
                        if (node1.InnerText == input.ToString())
```

```
                        {
                            isMatch = true;
                        }
                    }
                    if (node1.Name == "productname" && isMatch)
                    {
                        Console.WriteLine(node1.InnerText);
                        break;
                    }
                }
            }
            Console.ReadLine();
        }
    }
}
```

OUTPUT: