DAY 19 ASSIGNMENT
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17th FEB 2022

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:
==========

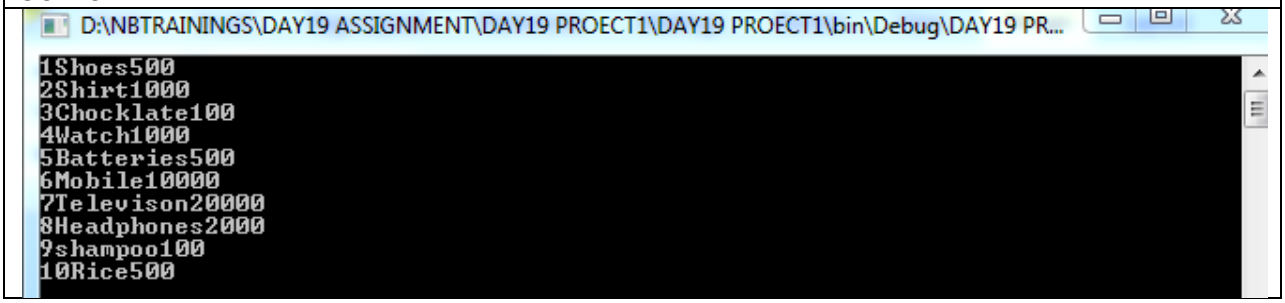
```
1Meganadh2000
2Raj3000
```

CODE:

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


namespace DAY19_PROECT1
{
   internal class Program
   {
      static void Main(string[] args)
      {
         XmlDocument doc = new XmlDocument();

          doc.Load("C:\\Xml  projects\\Products file.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
Sample Output:

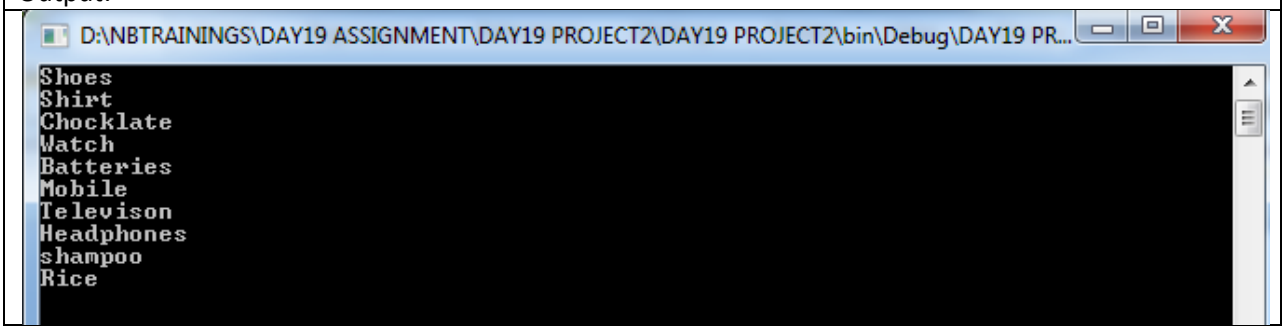
Products names
===

Code:

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

namespace DAY19_PROJECT2
{
  internal class Program
  {
    static void Main(string[] args)
    {
      XmlDocument doc = new XmlDocument();

      doc.Load("C:\\Xml  projects\\Products file.xml");

      //XmlNode node = doc.DocumentElement.SelectSingleNode("/Products/product");
```

```
        foreach (XmlNode node in doc.DocumentElement.ChildNodes)
        {
            foreach (XmlNode cnode in node.ChildNodes)

            {
                if (cnode.Name=="Name")
                {
                    Console.WriteLine(cnode.InnerText);
                }

            }


        }
        Console.ReadLine();

    }


  }
}
```

Output:



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

Sample Output:

1,Meganadh,2000

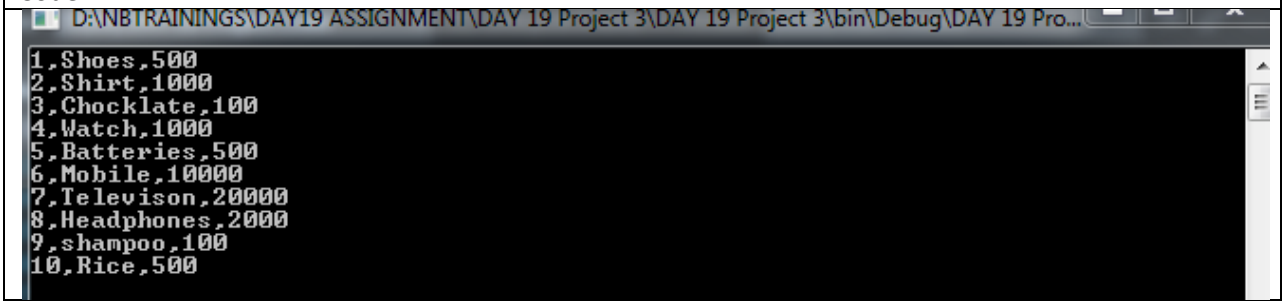
2,Raj,3000

CODE:

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

namespace ConsoleApp3
{
```

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

            XmlDocument doc = new XmlDocument();
            doc.Load("C:\\Xml  projects\\Products file.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 == "Price")
                        Console.Write($"{cnode.InnerText}\n");

                }

            }
            Console.ReadLine();

        }
    }
}
```

Code:



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 DAY_19_PROJECT4
{
   internal class Program
   {
      static void Main(string[] args)
      {
         Console.WriteLine("Enter Number");
         int input = Convert.ToInt32(Console.ReadLine());

         XmlDocument file = new XmlDocument();
         file.Load("C:\\Xml  projects\\Products file.xml");

         foreach(XmlNode node in file.DocumentElement.ChildNodes)
         {
            foreach(XmlNode cNode in node.ChildNodes)
            {
               bool ID = cNode.Name == "ID";
               bool isIndex =( ID == true?
                  Convert.ToInt32(cNode.InnerText) : 0) == input;
               if (ID && isIndex)
               {
                  Console.WriteLine($"Name is {cNode.NextSibling.InnerText}."); ;

               }

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

Output: