DAY 19 ASSIGNMENT BY MANOHAR ANDE 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:

D:\NBTRAININGS\DAY19 ASSIGNMENT\DAY19 PROECT1\DAY19 PROECT1\bin\Debug\DAY19 PR...

1$hoes500
2$hirt1000
3Chocklate100
4Watch1000
5Batteries500
5Match1e10000
7Televison20000
8Headphones2000
9shampoo100
10Rice500
```

```
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:

    D:\NBTRAININGS\DAY19 ASSIGNMENT\DAY19 PROJECT2\DAY19 PROJECT2\bin\Debug\DAY19 PR...

  Shirt
  Chocklate
Watch
 Batteries
Mobile
Televison
  Headphones
 shampoo
Rice
```

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

```
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:
 D:\NBTRAININGS\DAY19 ASSIGNMENT\DAY 19 Project 3\DAY 19 Project 3\bin\Debug\DAY 19 Pro...
 1,Shoes,500
2,Shirt,1000
3,Chocklate,100
4,Watch,1000
5,Batteries,500
6,Mobile,10000
    Televison,20000
   Headphones, 2000,
```

```
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:
                                                                                                      23
D:\NBTRAININGS\DAY19 ASSIGNMENT\DAY 19 PROJECT4\DAY 19 PROJECT4\bin\Debug\DAY 19 ...
Enter Number
Name is Headphones.
```