

If a Xml node Has Attributes

```
using System;
using System.Xml;
using System.IO;
using System.Text;

class MainClass {
private static void Main() {
FileStream fs = new FileStream("products.xml",
    FileMode.Create);

XmlWriter w = XmlWriter.Create(fs);

w.WriteStartDocument();
w.WriteStartElement("products");

w.WriteStartElement("product");
w.WriteAttributeString("id", "1001");
w.WriteElementString("productName", "Gourmet Coffee");
w.WriteElementString("productPrice", "0.99");
w.WriteEndElement();

w.WriteStartElement("product");
w.WriteAttributeString("id", "1002");
w.WriteElementString("productName", "Blue China Tea Pot");
w.WriteElementString("productPrice", "102.99");
w.WriteEndElement();

w.WriteEndElement();
w.WriteEndDocument();
w.Flush();
fs.Close();

fs = new FileStream("products.xml", FileMode.Open);

XmlReader r = XmlReader.Create(fs);
```

```
while (r.Read()) {
  if (r.NodeType == XmlNodeType.Element) {
    Console.WriteLine("<" + r.Name + ">");
    if (r.HasAttributes) {
      for (int i = 0; i < r.AttributeCount; i++) {
        Console.WriteLine(" ATTRIBUTE: " + r.GetAttribute(i)); } } }
    else if (r.NodeType == XmlNodeType.Text) { Console.WriteLine("
VALUE: " + r.Value); } } } } [/csharp]
```