MyDomParser.java

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 * This application reads and displays the XML file using
        the Document Object Model (DOM) Parser
    (Followed the video tutorial of reading an XML file with DOM Parser)
package java dom parser;
import java.io.IOException;
import javax.xml.parsers.DocumentBuilder;
import javax.xml.parsers.DocumentBuilderFactory;
import javax.xml.parsers.ParserConfigurationException;
import org.w3c.dom.Document;
import org.w3c.dom.Element;
import org.w3c.dom.Node;
import org.w3c.dom.NodeList;
import org.xml.sax.SAXException;
public class MyDomParser {
    public static void main(String[] args) {
        // Creating document builder object //
        DocumentBuilderFactory factory = DocumentBuilderFactory.newInstance();
        try {
            // Builder object //
            DocumentBuilder builder = factory.newDocumentBuilder();
            // Creating an object for file to be parsed //
            Document doc = builder.parse("shopping.xml");
            // Creating an object that grabs the tags of 'product' //
            NodeList productsList = doc.getElementsByTagName("product");
            // Displaying the number of products in the file //
            System.out.println("There are " + productsList.getLength() + "
products.\n");
            // Searches for the 'product' tag until there are no more 'product' tags //
            for (int i = 0; i < productsList.getLength(); i++)</pre>
            {
                Node p = productsList.item(i);
                if (p.getNodeType() == Node.ELEMENT NODE)
                {
                    // Retrieving the products for the list //
                    Element products = (Element) p;
                    // Grabbing the attribute id
                    String id = products.getAttribute("id");
                    // Grabbing the
                    NodeList itemList = products.getChildNodes();
                    // Retrieves information of the tag //
                    for (int j = 0; j <itemList.getLength(); j++)</pre>
                    {
                        Node item = itemList.item(j);
                        if (item.getNodeType() == Node.ELEMENT NODE)
                        {
                            Element object = (Element) item;
                            // Display the information of the file //
```


}