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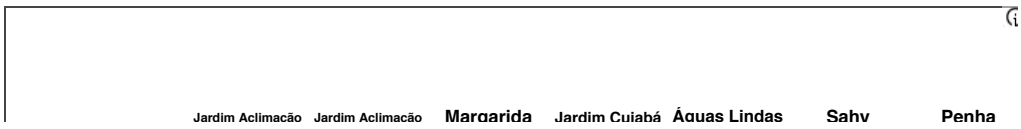

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Count XML Element using DOM parser

DOM PARSER (HTTP://JAVATUTORIALCORNER.COM/CATEGORY/DOM-PARSER/), JAVA (HTTP://JAVATUTORIALCORNER.COM/CATEGORY/JAVA/), XML (HTTP://JAVATUTORIALCORNER.COM/CATEGORY/XML/) *November 10, 2013, by Annamalai Thangaraj (http://javatutorialcorner.com/author/annamalai-thangaraj/)*

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In this tutorials we going to see how to count the element in XML document using DOM parser .

1. Create Project Called **JavaXML**.
2. Create package called **com.javatutorialscorner.xml.dom** under **JavaXML**.
3. Create Java class called **CountXMLElement.java** under **com.javatutorialscorner.xml.dom** package.

CountXMLElement.java

```
package com.javatutorialcorner.xml.dom;

import java.io.File;
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.NodeList;
import org.xml.sax.SAXException;

public class CountXMLElement {

 /**
  * @param args
  */
 public static void main(String[] args) {
  // TODO Auto-generated method stub

  try {
   File xmlFile = new File("C:\jtc\student.xml");
   DocumentBuilderFactory builderFactory = DocumentBuilderFactory
     .newInstance();
   DocumentBuilder builder = builderFactory.newDocumentBuilder();
   Document document = builder.parse(xmlFile);
   document.getDocumentElement().normalize();
   System.out.println("Root Node :"
     + document.getDocumentElement().getNodeName());
   NodeList list = document.getElementsByTagName("student");
   System.out.println("Number of element under "
     + document.getDocumentElement().getNodeName() + " : "
     + list.getLength());
  } catch (ParserConfigurationException e) {
   // TODO Auto-generated catch block
   e.printStackTrace();
  } catch (SAXException e) {
   // TODO Auto-generated catch block
   e.printStackTrace();
  } catch (IOException e) {
   // TODO Auto-generated catch block
   e.printStackTrace();
  }

 }

}
```

student.xml

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<college>
<student id="ECE-01">
<firstname>Sathish</firstname>
<lastname>J</lastname>
</student>
<student id="ECE-02">
<firstname>Mohan</firstname>
<lastname>P</lastname>
</student>
<student id="ECE-03">
<firstname>Saravan</firstname>
<lastname>P</lastname>
</student>
<student id="ECE-04">
<firstname>Muthu</firstname>
<lastname>S</lastname>
</student>
</college>
```

Now run the program see the following output in console.

```
Root Node :college

Number of element under college : 4
```

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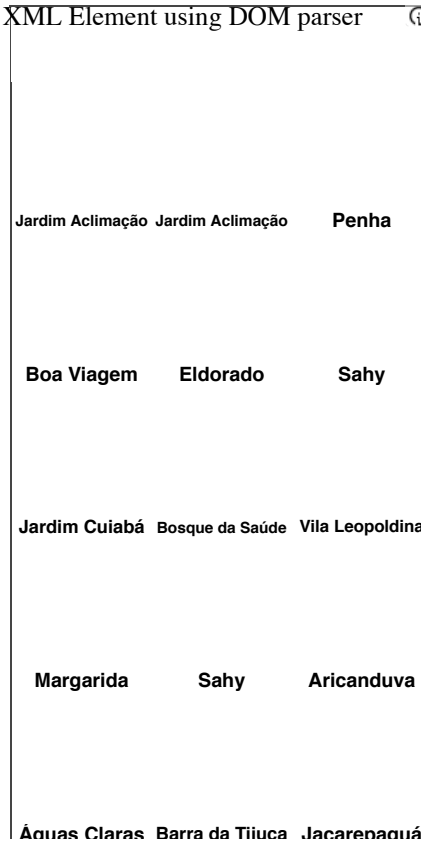

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