How To Read XML File In Java – (DOM Parser)

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In this tutorial, we will show you how to read an XML file via **DOM XML parser**. DOM parser parses the entire XML document and loads it into memory; then models it in a "TREE" structure for easy traversal or manipulation.

In short, it turns a XML file into [DOM](#) or Tree structure, and you have to traverse a node by node to get what you want.

> **What is Node?**
> In the DOM, everything in an XML document is a node, [read this](#).

> **Warning**
> DOM Parser is slow and consumes a lot of memory when it loads an XML document which contains a lot of data. Please consider SAX parser as solution for it, SAX is faster than DOM and use less memory.

1. DOM XML Parser Example

This example shows you how to get the node by "name", and display the value.

/Users/mkyong/staff.xml

```xml
<?xml version="1.0"?><company><staff id="1001"><firstname>yong</firstname><lastna
```

ReadXMLFile.java

```java
package com.mkyong.seo; import javax.xml.parsers.DocumentBuilderFactory;import ja
```

Result

```
Root element :company-------------------------- Current Element :staffStaff id
```

2. Looping the Node

This example reads the same " `staff.xml` ", and showing you how to loop the node one by one, and print out the node name and value, and also the attribute if any.

ReadXMLFile2.java

```
package com.mkyong.seo; import java.io.File;import javax.xml.parsers.DocumentBuil
```

Result :

```
Root element :company Node Name =company [OPEN]Node Value = yongmook kimmkyong100
```

Note

You may interest at this How to get Alexa Ranking In Java. It shows you how to use DOM to parse the Alexa XML result.