XML Tutorial

XML stands for eXtensible Markup Language.

XML was designed to store and transport data.

XML was designed to be both human- and machine-readable.

XML Example 1

```xml
<?xml version="1.0" encoding="UTF-8"?>
<note>
  <to>Tove</to>
  <from>Jani</from>
  <heading>Reminder</heading>
  <body>Don't forget me this weekend!</body>
</note>
```

Display the XML File »   Display the XML File as a Note »

XML Example 2

```xml
<?xml version="1.0" encoding="UTF-8"?>
<breakfast_menu>
<food>
    <name>Belgian Waffles</name>
    <price>$5.95</price>
    <description>
  Two of our famous Belgian Waffles with plenty of real maple syrup
    </description>
    <calories>650</calories>
</food>
<food>
    <name>Strawberry Belgian Waffles</name>
    <price>$7.95</price>
    <description>
  Light Belgian waffles covered with strawberries and whipped cream
    </description>
    <calories>900</calories>
```

Dark mode

```
    <name>Berry-Berry Belgian Waffles</name>
    <price>$8.95</price>
    <description>
    Belgian waffles covered with assorted fresh berries and whipped cream
    </description>
    <calories>900</calories>
</food>
<food>
    <name>French Toast</name>
    <price>$4.50</price>
    <description>
    Thick slices made from our homemade sourdough bread
    </description>
    <calories>600</calories>
</food>
<food>
    <name>Homestyle Breakfast</name>
    <price>$6.95</price>
    <description>
    Two eggs, bacon or sausage, toast, and our ever-popular hash browns
    </description>
    <calories>950</calories>
</food>
</breakfast_menu>
```

Display the XML File »   Display with XSLT »

Why Study XML?

XML plays an important role in many different IT systems.

XML is often used for distributing data over the Internet.

It is important (for all types of software developers!) to have a good understanding of XML.

What You Will Learn

This tutorial will give you a solid understanding of:

- What is XML?
- How does XML work?
- How can I use XML?
- What can I use XML for?

Important XML Standards

This tutorial will also dig deep into the following important XML standards:

- XML AJAX
- XML DOM
- XML XPath
- XML XSLT
- XML XQuery
- XML DTD
- XML Schema

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We recommend reading this tutorial, in the sequence listed in the left menu.

Learn by Examples

Examples are better than 1000 words. Examples are often easier to understand than text explanations.

This tutorial supplements all explanations with clarifying "Try it Yourself" examples.

- XML Examples
- AJAX Examples
- DOM Examples
- XPath Examples
- XSLT Examples
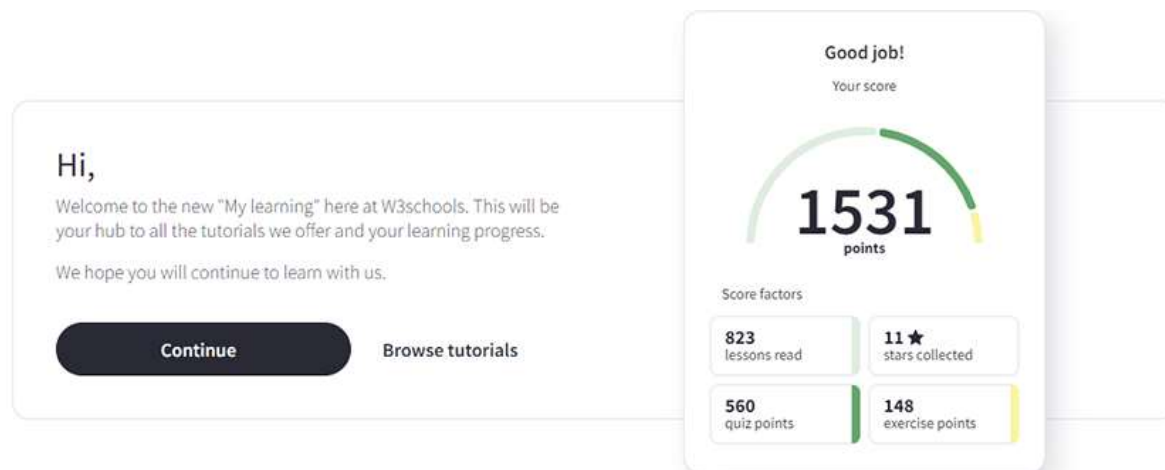
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