

HTML vs XHTML

XHTML

XHTML stands for **Extensible Hypertext Markup Language**. It can be considered as a part of the XML markup language this is because of XHTML have features of both XML and HTML. XHTML is **extended from XML and HTML**. XHTML can be considered as a better version of HTML.

- ❖ XHTML is a **stricter**, more XML-based version of HTML.

HTML

HTML is the Hypertext Markup Language which is the most widely used language over the internet. HTML is used to create web pages and link them from one to another. Please note HTML is not a programming language. It is a markup language. We can use different other technologies like CSS and javascript to give a new look to the pages developed by HTML.

Differences from HTML

- <!DOCTYPE> is mandatory
- The xmlns attribute in <html> is mandatory
- <html>, <head>, <title>, and <body> are mandatory
- Elements must always be properly nested
- Elements must always be closed
- Elements must always be in lowercase
- Attribute names must always be in lowercase
- Attribute values must always be quoted
- Attribute minimization is forbidden

<!DOCTYPE> Is Mandatory

The DOCTYPE in XHTML is different from HTML, it must have an XHTML <!DOCTYPE> declaration.

The <html>, <head>, <title>, and <body> elements are mandatory, and the xmlns attribute in <html> must specify the **xml namespace** for the document.

Example :

```
<!DOCTYPE html
PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
    <head>
        <title>Title of document</title>
    </head>
    <body>
        < -- Content -- >
    </body>
</html>
```

XHTML Elements Must be Properly Nested

XHTML elements must be properly nested.

Correct : <div> <p> Coding Ninjas ! </p> </div>

Wrong : <div> <p> Coding Ninjas ! </div> </p>

XHTML Elements Must Always be Closed

Correct : <p> Paragraph 1 </p>
 <p> Paragraph 2 </p>

Wrong : <p> Paragraph 1
 <p> Paragraph 2

XHTML Empty Elements Must Always be Closed

Self closing tags must always be closed in XHTML.

Correct :	Break Line <code>
</code> <code></code>
Wrong :	Break Line <code>
</code> <code></code>

XHTML Attribute Names Must be in Lowercase

In XHTML, attribute names must always be in **lowercase**.

Correct :	<code></code> Coding Ninjas ! <code></code>
Wrong :	<code></code> Coding Ninjas ! <code></code>

XHTML Attribute Values Must be Quoted

In XHTML, attribute values must always be **quoted**.

Correct :	<code></code> Coding Ninjas ! <code></code>
Wrong :	<code></code> Coding Ninjas ! <code></code>