

# XSD How To?

[< Previous](#)[Next >](#)

XML documents can have a reference to a DTD or to an XML Schema.

## A Simple XML Document

Look at this simple XML document called "note.xml":

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

## A DTD File

The following example is a DTD file called "note.dtd" that defines the elements of the XML document above ("note.xml"):

```
<!ELEMENT note (to, from, heading, body)>
<!ELEMENT to (#PCDATA)>
<!ELEMENT from (#PCDATA)>
```

The first line defines the note element to have four child elements: "to, from, heading, body".

Line 2-5 defines the to, from, heading, body elements to be of type "#PCDATA".

## An XML Schema

The following example is an XML Schema file called "note.xsd" that defines the elements of the XML document above ("note.xml"):

```
<?xml version="1.0"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
targetNamespace="https://www.w3schools.com"
xmlns="https://www.w3schools.com"
elementFormDefault="qualified">

  <xs:element name="note">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="to" type="xs:string"/>
        <xs:element name="from" type="xs:string"/>
        <xs:element name="heading" type="xs:string"/>
        <xs:element name="body" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

</xs:schema>
```

The note element is a **complex type** because it contains other elements. The other elements (to, from, heading, body) are **simple types** because they do not contain other elements. You will learn more about simple and complex types in the following chapters.



Nutre las raíces y

## A Reference to a DTD

This XML document has a reference to a DTD:

```
<?xml version="1.0"?>

<!DOCTYPE note SYSTEM
"http://www.w3schools.com/xml/note.dtd">

<note>
  <to>Tove</to>
  <from>Jani</from>
  <heading>Reminder</heading>
  <body>Don't forget me this weekend!</body>
</note>
```

## A Reference to an XML Schema

This XML document has a reference to an XML Schema:

```
<?xml version="1.0"?>

<note
  xmlns="http://www.w3schools.com"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.w3schools.com/xml note.xsd">
```

[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)

☰

.

CSS

JAVASCRIPT

SQL

PYTHON

JAVA

PHP

HOW TO

W3.CSS

C

|

</note>

[< Previous](#)[Next >](#)

W3schools Pathfinder

Track your progress - it's free!

[Sign Up](#)[Log in](#)

ADVERTISEMENT

---

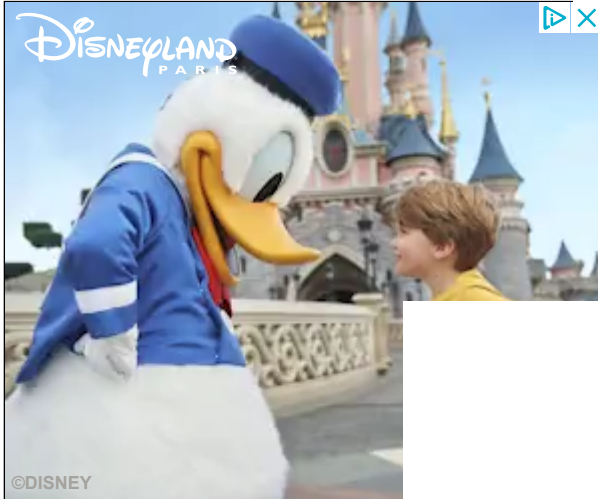
Get your  
**knowledge  
certified!**

Start Today!

COLOR PICKER



ADVERTISEMENT



ADVERTISEMENT

ADVERTISEMENT



[www.yoursurprise.se/Resväska/n](http://www.yoursurprise.se/Resväska/n)

**Resväska Personlig**  
**Perfekt Färgtryck**



[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#) [JAVASCRIPT](#) [SQL](#) [PYTHON](#) [JAVA](#) [PHP](#) [HOW TO](#) [W3.CSS](#) [C](#)[NEWSLETTER](#)[GET CERTIFIED](#)[CONTACT US](#)

## Top Tutorials

[HTML Tutorial](#)  
[CSS Tutorial](#)  
[JavaScript Tutorial](#)  
[How To Tutorial](#)  
[SQL Tutorial](#)  
[Python Tutorial](#)  
[W3.CSS Tutorial](#)  
[Bootstrap Tutorial](#)  
[PHP Tutorial](#)  
[Java Tutorial](#)  
[C++ Tutorial](#)  
[jQuery Tutorial](#)

## Top References

[HTML Reference](#)  
[CSS Reference](#)  
[JavaScript Reference](#)  
[SQL Reference](#)  
[Python Reference](#)  
[W3.CSS Reference](#)  
[Bootstrap Reference](#)  
[PHP Reference](#)  
[HTML Colors](#)  
[Java Reference](#)  
[Angular Reference](#)  
[jQuery Reference](#)

## Top Examples

[HTML Examples](#)  
[CSS Examples](#)  
[JavaScript Examples](#)  
[How To Examples](#)  
[SQL Examples](#)  
[Python Examples](#)  
[W3.CSS Examples](#)  
[Bootstrap Examples](#)  
[PHP Examples](#)  
[Java Examples](#)  
[XML Examples](#)  
[jQuery Examples](#)

## Get Certified

[HTML Certificate](#)  
[CSS Certificate](#)  
[JavaScript Certificate](#)  
[Front End Certificate](#)  
[SQL Certificate](#)  
[Python Certificate](#)  
[PHP Certificate](#)  
[jQuery Certificate](#)  
[Java Certificate](#)  
[C++ Certificate](#)  
[C# Certificate](#)  
[XML Certificate](#)

[FORUM](#) [ABOUT](#) [CLASSROOM](#)

[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)

 .

CSS

JAVASCRIPT

SQL

PYTHON

JAVA

PHP

HOW TO

W3.CSS

C

Copyright 1999-2024 by Refsnes Data. All Rights Reserved. W3Schools is Powered by W3.CSS.