

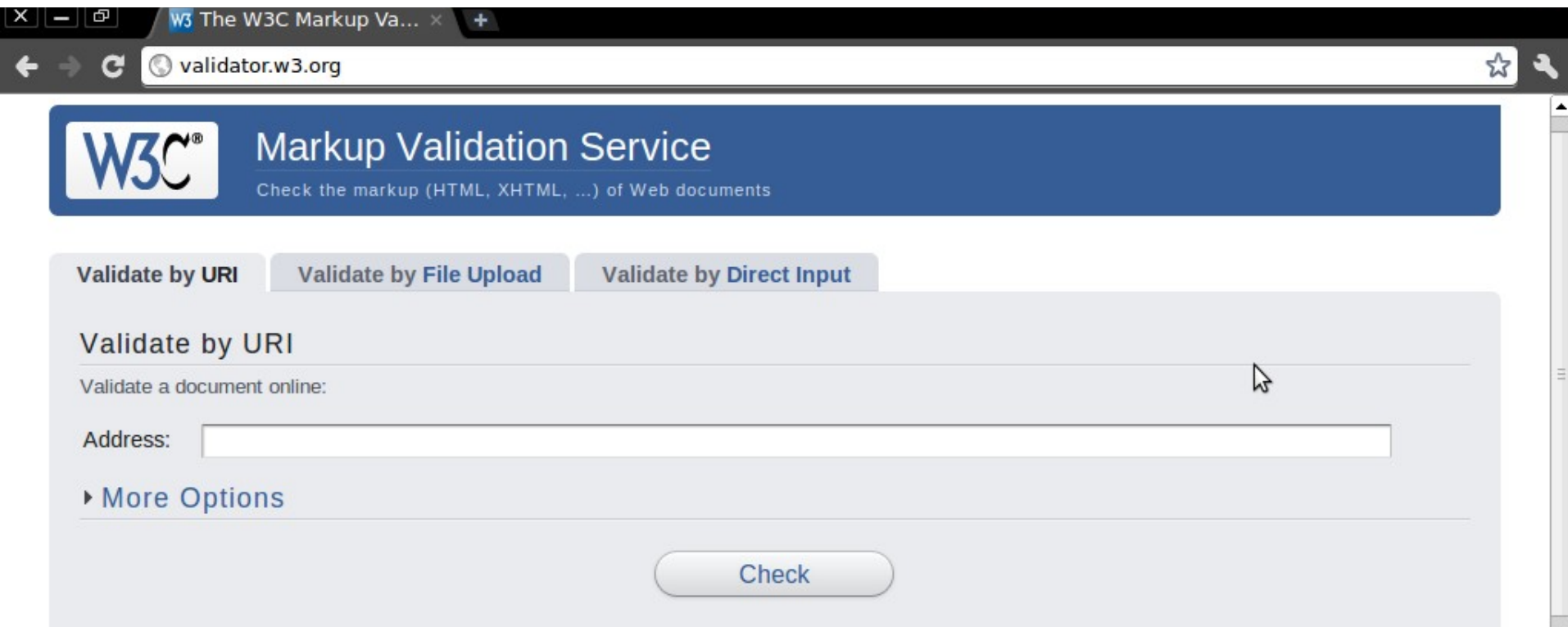
Aula 05: Estrutura de documentos XHTML

Adorilson Bezerra

adorilson.bezerra@ifrn.edu.br

<http://docente.ifrn.edu.br/adorilsonbezerra>

Quem válida o documento?



The screenshot shows a web browser window with the URL `validator.w3.org`. The page header features the W3C logo and the text "Markup Validation Service" with the subtitle "Check the markup (HTML, XHTML, ...) of Web documents". Below the header, there are three tabs: "Validate by URI", "Validate by File Upload", and "Validate by Direct Input". The "Validate by URI" tab is active, showing a form with the label "Validate by URI" and the instruction "Validate a document online:". There is an "Address:" label followed by a text input field. Below the input field is a link for "More Options". At the bottom of the form is a "Check" button.

This validator checks the [markup validity](#) of Web documents in HTML, XHTML, SMIL, MathML, etc. If you wish to validate specific content such as [RSS/Atom feeds](#) or [CSS stylesheets](#), [MobileOK content](#), or to [find broken links](#), there are [other validators and tools](#) available.



The W3C validators are hosted on server technology donated by HP, and supported by community donations.



Quem válida o documento?

[Invalid] Markup Val... x +

validator.w3.org/check

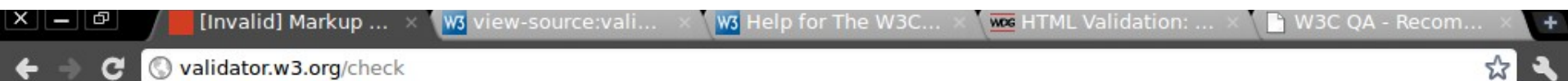
W3C Markup Validation Service
Check the markup (HTML, XHTML, ...) of Web documents

Jump To: [Notes and Potential Issues](#) [Validation Output](#)

Error found while checking this document as HTML 4.01 Transitional!

Result:	1 Error, 4 warning(s)	
Source:	<pre><html> <head> <title>Exemplo 1</title> </head> <body> Olá Mundo!!! </body> </html></pre>	
Encoding:	utf-8	(detect automatically) ▾
Doctype:	HTML 4.01 Transitional	(detect automatically) ▾
Root Element:	html	

No DOCTYPE found!



because:

- in *Direct Input* mode, no MIME Media Type is served to the validator
- No known Document Type could be detected
- No XML declaration (e.g `<?xml version="1.0"?>`) could be found at the beginning of the document.
- No XML namespace (e.g `<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">`) could be found at the root of the document.


As a default, the validator is falling back to SGML mode.

No DOCTYPE found! Checking with default HTML 4.01 Transitional Document Type.

No DOCTYPE Declaration could be found or recognized in this document. This generally means that the document is not declaring its Document Type at the top. It can also mean that the DOCTYPE declaration contains a spelling error, or that it is not using the correct syntax.

The document was checked using a default "fallback" Document Type Definition that closely resembles "HTML 4.01 Transitional".

Learn [how to add a doctype to your document](#) from our [FAQ](#).

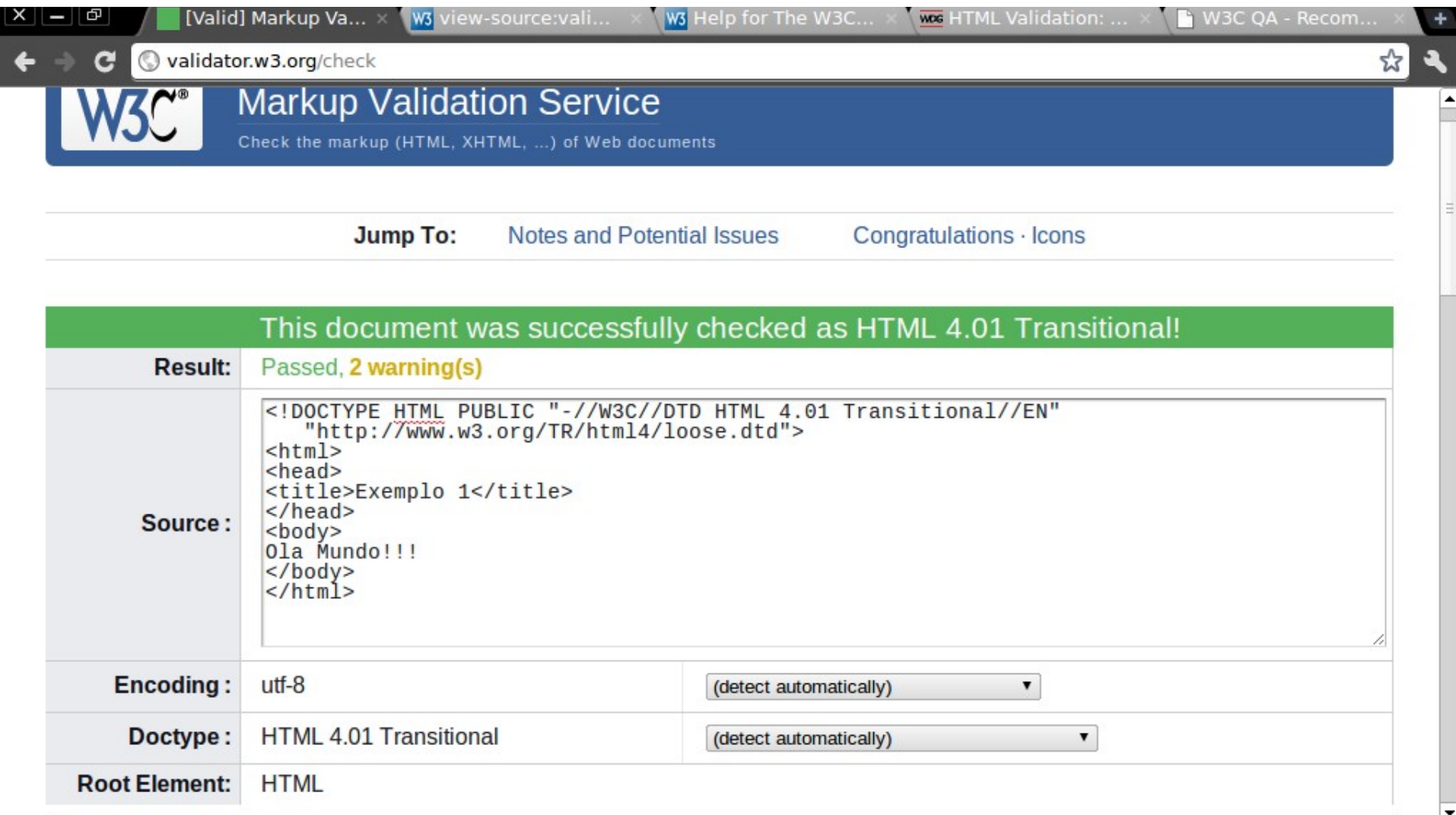
 No Character encoding declared at document level

Tipos de documentos

- Declaração do tipo é parecido com

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01  
Transitional//EN"  
"http://www.w3.org/TR/html4/loose.dtd">
```

Tipos de documentos



The screenshot shows the W3C Markup Validation Service interface. The browser address bar displays "validator.w3.org/check". The page header includes the W3C logo and the text "Markup Validation Service" and "Check the markup (HTML, XHTML, ...) of Web documents". Below the header, there are navigation links: "Jump To: Notes and Potential Issues Congratulations · Icons". A green banner at the top of the main content area reads "This document was successfully checked as HTML 4.01 Transitional!". Below this, a table displays the validation details:

Result:	Passed, 2 warning(s)	
Source:	<pre><!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd"> <html> <head> <title>Exemplo 1</title> </head> <body> Ola Mundo!!! </body> </html></pre>	
Encoding:	utf-8	(detect automatically) ▼
Doctype:	HTML 4.01 Transitional	(detect automatically) ▼
Root Element:	HTML	

- HTML 4.01

- Strict

- ```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
```

- Transitional

- ```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
```

- Frameset

- ```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01
Frameset//EN"
"http://www.w3.org/TR/html4/frameset.dtd">
```



- XHTML 1.0

- Strict

- ```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
```

- Transitional

- ```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
 Transitional//EN"
```

- ```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

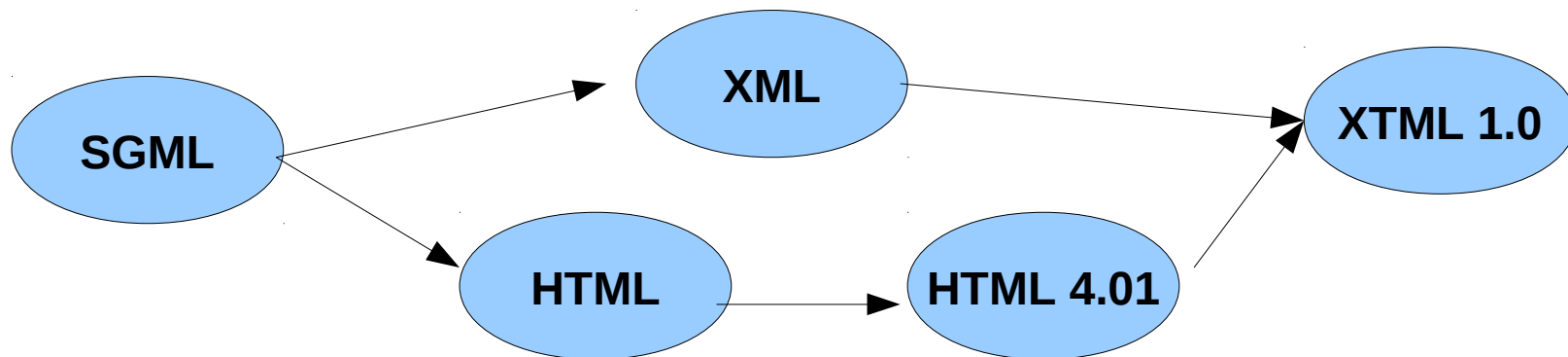
- Frameset

- ```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
 Frameset//EN"
```

- ```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
```


Linguagens de marcação

- SGML (Standard Generalized Markup Language)
- XML (eXtensible Markup Language)
- HTML (Hypertext Markup Language)
- XHTML (eXtensible HTML)



Regras do XHTML

- Tags em letras minúsculas

Errado: `<P>`Aqui é um texto de parágrafo`</P>`

Certo: `<p>`Aqui é um texto de parágrafo`</p>`

- Elementos corretamente aninhados

Errado: `<p>`Paragrafo em itálico`</p>`



Certo: `<p>`Paragrafo em itálico`</p>`



Regras do XHTML

- Todas as tags devem ser fechadas

Errado:

<p>Aqui é um texto de parágrafo.

<p>Este é outro paragrafo de texto.

Certo:

<p>Aqui é um texto de parágrafo.</p>

<p>Este é outro paragrafo de texto.</p>

Regras do XHTML

- Mesmo as tags vazias devem ser fechadas

Errado:

<hr>

Certo:

<hr />

Regras do XHTML

- Definição de atributos

Errado: ``

Certo: ``

- Sempre entre aspas duplas (“ ”)

Errado: ``

Certo: ``

Regras do XHTML

- Sempre devem ter valores

Errado: *<input checked />*

Certo: *<input checked="checked" />*

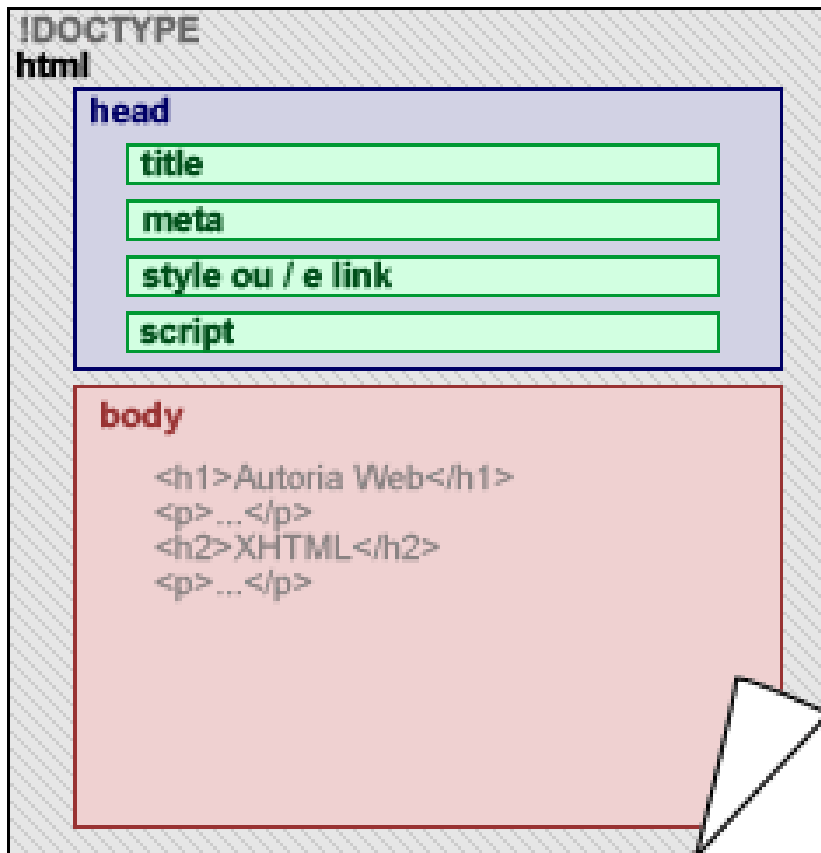
- Atributo xmlns obrigatório

Errado: *<html>...</html>*

Certo:

<html xmlns="http://www.w3.org/1999/xhtml">...</html>

Documentos bem formados



```
<!DOCTYPE ... >
```

```
<html xmlns="...">
```

```
<head>
```

```
<title>...</title>
```

```
...
```

```
</head>
```

```
<body>
```

```
...
```

```
</body>
```

```
</html>
```


Modelo mínimo de documento

```
<!DOCTYPE ...>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<title>Título do documento</title>
```

```
</head>
```

```
<body>
```

```
Conteúdo do documento
```

```
</body>
```

```
</html>
```

Modelo mínimo de documento

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
  <head>
```

```
    <title>Livraria Virtual</title>
```

```
  </head>
```

```
  <body>
```

```
    <p>Esta é a sua livraria virtual...</p>
```

```
  </body>
```

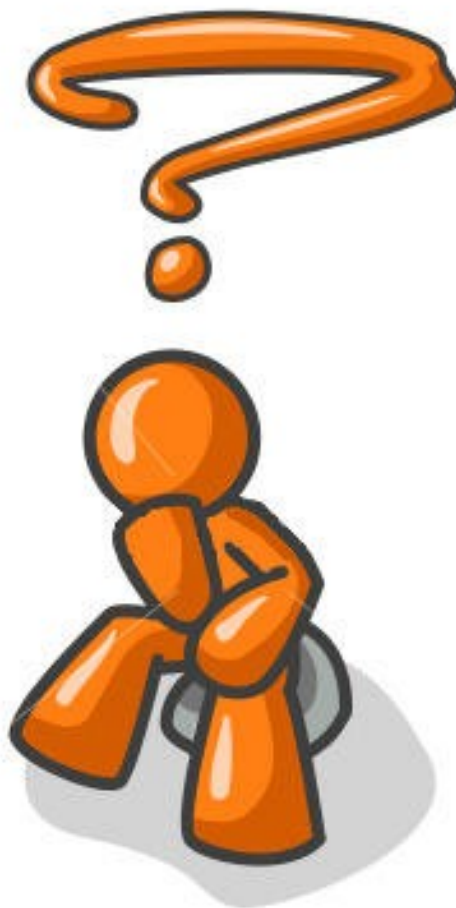
```
</html>
```

Referência para estudos

- <http://pt-br.html.net/tutorials/html/>
- <http://htmldog.com>
- <http://www.google.com.br/search?q=html>



Perguntas???



Sítios na Internet

- <http://www.htmlhelp.com/tools/validator/doctype.html>
- <http://www.w3.org/QA/2002/04/valid-dtd-list.html>