

Black & White Series

HTML Introduction

Minimal HTML Page

HTML

- HyperText Markup Language
- Invented by Tim Berners-Lee in 1989
- Combines Hypertext + Markup Language
 - Hypertext
 - documents connected by hyperlinks
 - Markup Language
 - uses markup to add information to documents

W3C

World Wide Web Consortium

<https://www.w3.org/>

- Founded by Tim Berners-Lee in 1994
- Develops and Maintains Web standards
 - including HTML

Experimental environment

Web2Learn

[**https://santanche.github.io/web2learn**](https://santanche.github.io/web2learn)

Tutorials, code examples and slides

Javascript Playground

[**https://playcode.io**](https://playcode.io)

Interactive environment ideal for starters

Minimal HTML Page

```
<!DOCTYPE html>
<html>
  <body>
    The dinosaur jumped into the mud.
  </body>
</html>
```

- `<!DOCTYPE html>` - HTML5 type
- `<html>` - encompasses entire HTML document
- `<body>` - presented part of the document

Markup

- Based on tags
- Distinguished by the symbols `<` and `>`
- Delimits a fragment
 - `<tag>` - opening tag
 - `</tag>` - closing tag
- Example: tag `` = bold

The ``dinosaur jumped`` into the mud.

Bold Tag

bold

The ``dinosaur jumped`` into the mud.

↑
start

↑
end

Body Tag

`<body>`

`The dinosaur jumped into the mud.`

`</body>`

HTML Tag

The diagram illustrates the structure of an HTML document. It shows a root element `<html>` (green) which contains a `<body>` element (purple). Inside the `<body>` element is the text "The `dinosaur jumped` into the mud." (grey background). The `` and `` tags are blue, and the text "dinosaur jumped" is bold. A blue bracket above the text indicates that the bold formatting is applied to the text "dinosaur jumped".

```
<html>  
{  
  <body>  
  {  
    The dinosaur jumped into the mud.  
  }  
}</body>  
</html>
```

HTML Markup and Tree

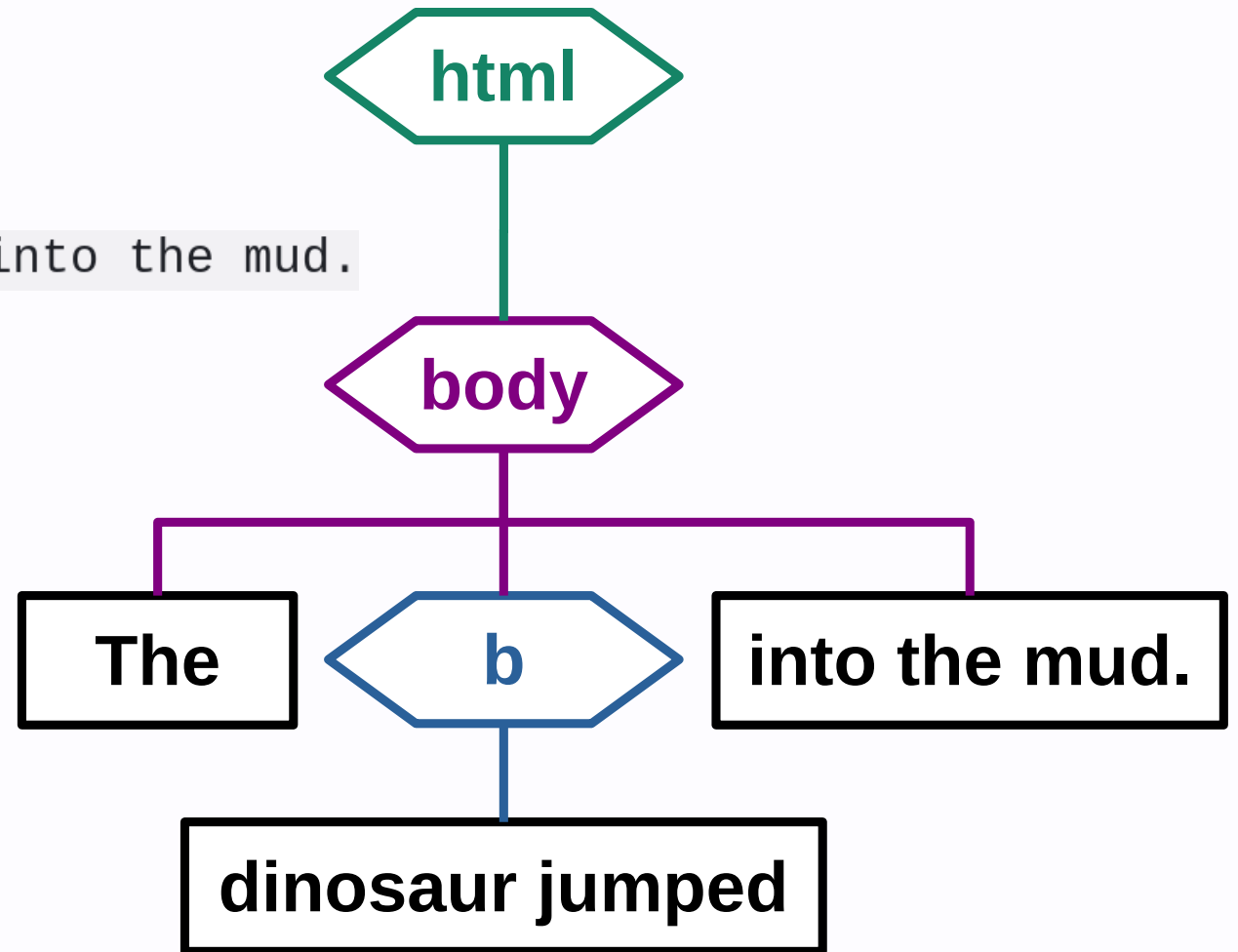
<html>

<body>

The **dinosaur jumped** into the mud.

</body>

</html>



Videos / Tutorials

W3Schools HTML Tutorial

<https://www.w3schools.com/html/>

Web and Semantic Web 2015 Playlist

[https://youtube.com/playlist?
list=PL3JRjVnXiTBZpnuD7ZtJ3fdNsCcR5Oy7B](https://youtube.com/playlist?list=PL3JRjVnXiTBZpnuD7ZtJ3fdNsCcR5Oy7B)

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Web2Learn

santanche.github.io/web2learn/