

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

**Javascript Playground**  
**(<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 `<b>` = bold

The `<b>`dinosaur jumped`</b>` into the mud.

# Bold Tag

**bold**

The `<b>`dinosaur jumped`</b>` into the mud.

↑  
**start**

↑  
**end**

# Body Tag

`<body>`

`The <b>dinosaur jumped</b> 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 `<b>dinosaur jumped</b>` into the mud." (grey background). The `<b>` and `</b>` tags are blue. A blue bracket above the text indicates that the bold tags apply to the word "dinosaur". A purple bracket to the left of the text indicates that the text is contained within the `<body>` element. A green bracket to the left of the entire structure indicates that it is contained within the `<html>` element.

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

# HTML Markup and Tree

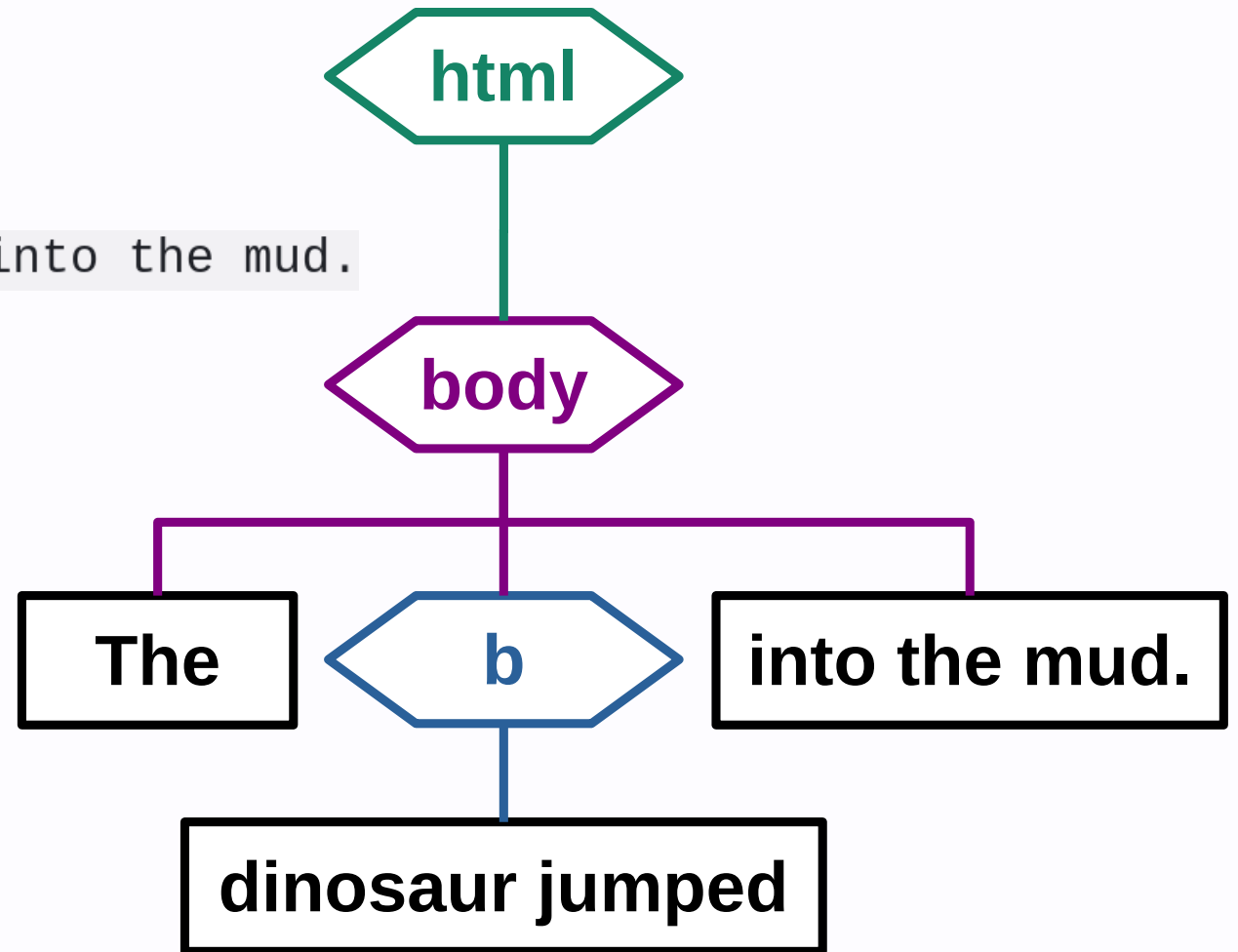
<html>

<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)