

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

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

- Distinguished by the symbols `<` and `>`
- Delimits a fragment
 - `<...>` - start
 - `</...>` - end
- Example: markup `` = bold

The ``dinosaur jumped`` into the mud.

Bold Markup

bold

The ``dinosaur jumped`` into the mud.

↑
start

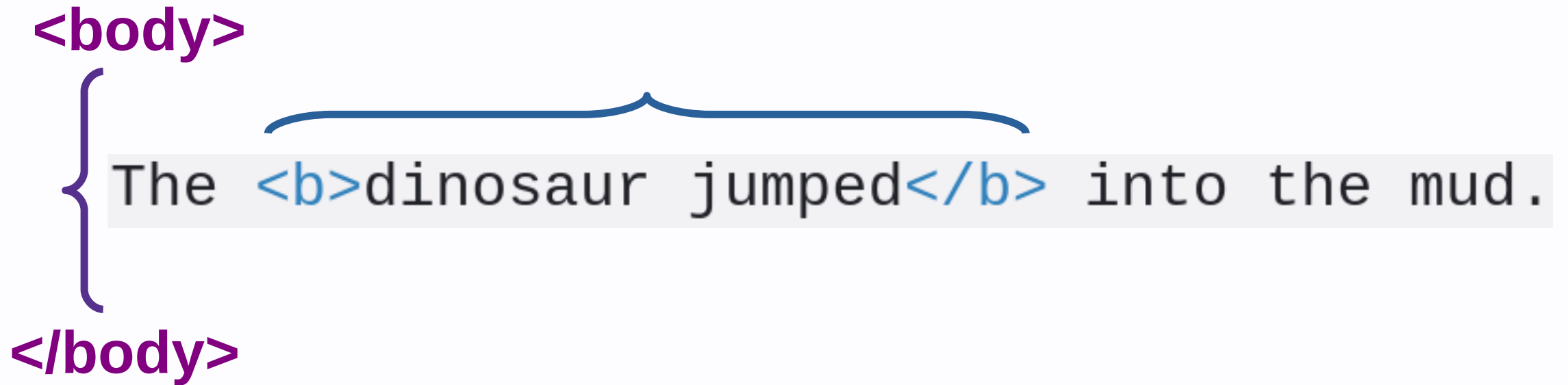
↑
end

Body Markup

<body>

The **dinosaur jumped** into the mud.

</body>



The diagram illustrates the structure of an HTML body element. A purple bracket on the left spans the entire content, with the opening tag **<body>** at the top and the closing tag **</body>** at the bottom. The content itself is "The **dinosaur jumped** into the mud.", where the phrase "dinosaur jumped" is wrapped in blue bold tags. A blue horizontal brace is positioned above this bolded phrase, indicating its scope within the body element.

HTML Markup

The diagram illustrates the HTML markup for the sentence "The **dinosaur jumped** into the mud." It uses nested curly braces to show the hierarchy of the tags. A large green brace on the left groups the opening `<html>` and closing `</html>` tags. Inside this, a purple brace groups the opening `<body>` and closing `</body>` tags. Within the body, a blue brace groups the bold tags `` and `` that wrap around the words "dinosaur" and "jumped". The text "The " and " into the mud." are outside these inner tags. The entire sentence is highlighted with a light gray background.

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


HTML Markup and Tree

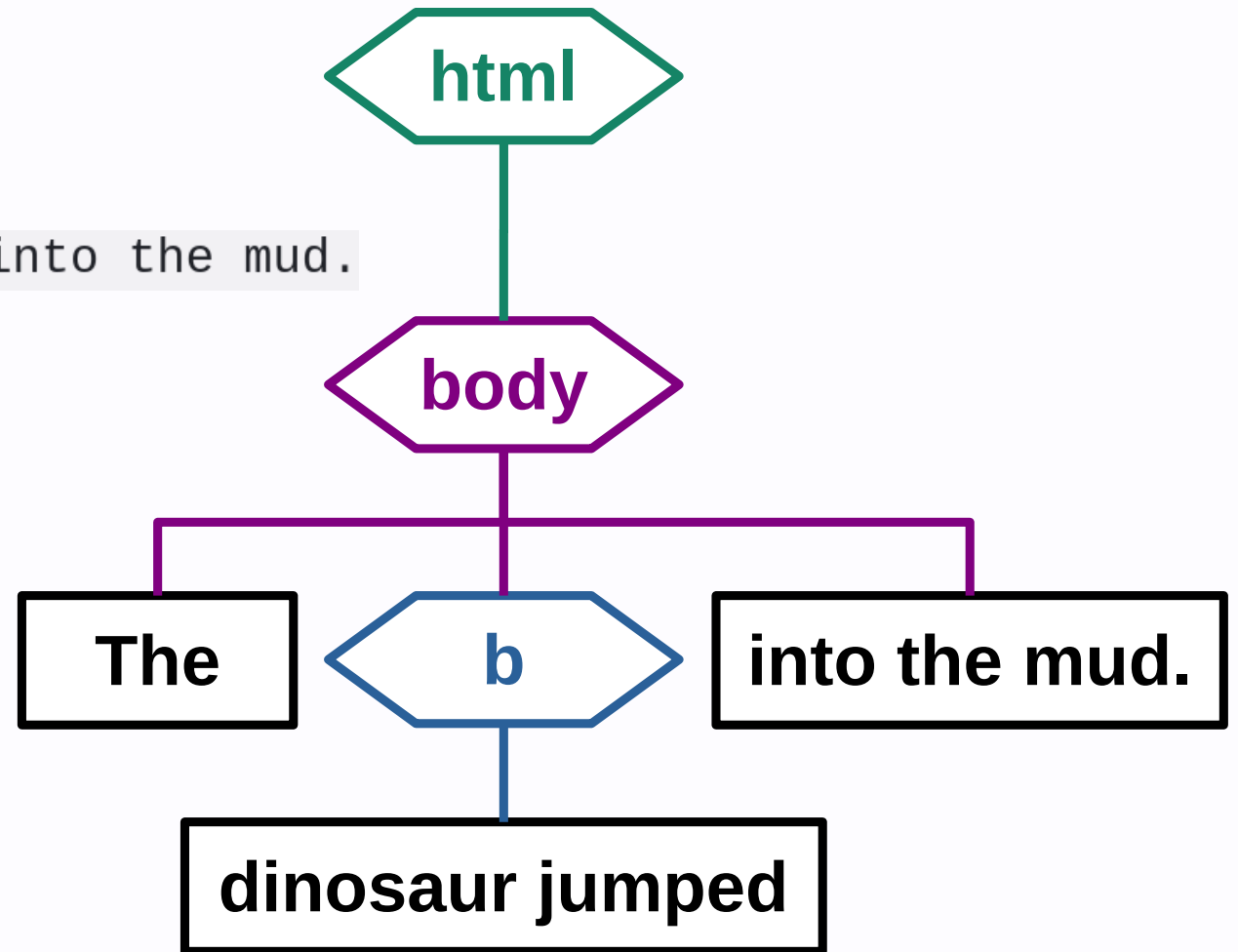
<html>

<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)