

THE DOM - BASIC CONCEPTS

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AFTER THIS PRESENTATION

- You'll appreciate the concept of a DOM
- You'll understand the role of text nodes
- You'll appreciate the concept of whitespace and how it is stored

THE DOM

DOM means *Document Object Model*

When you load something into a browser,
it is converted into a DOM structure

CODE WE HAVE SEEN

```
<!DOCTYPE html>
<html>
<head>
  <title>A Simple Web Page</title>
  <meta name="author" content="David Rossiter">
</head>
<body>
  <h1>My Web Page</h1>
  <p>This web page is so awesome!</p>
</body>
</html>
```

WHAT THE PAGE LOOKS LIKE

My Web Page

This web page is so awesome!

Every colored box here represents a node

`<html>`

The top node is called the root

This is a parent of
two child nodes

`<head>`

This is a child
of `<head>`

`<title>`

`<meta>`

This is a
sibling of
`<meta>`

Text

A simple...

This is a branch

Text

My web...

Text

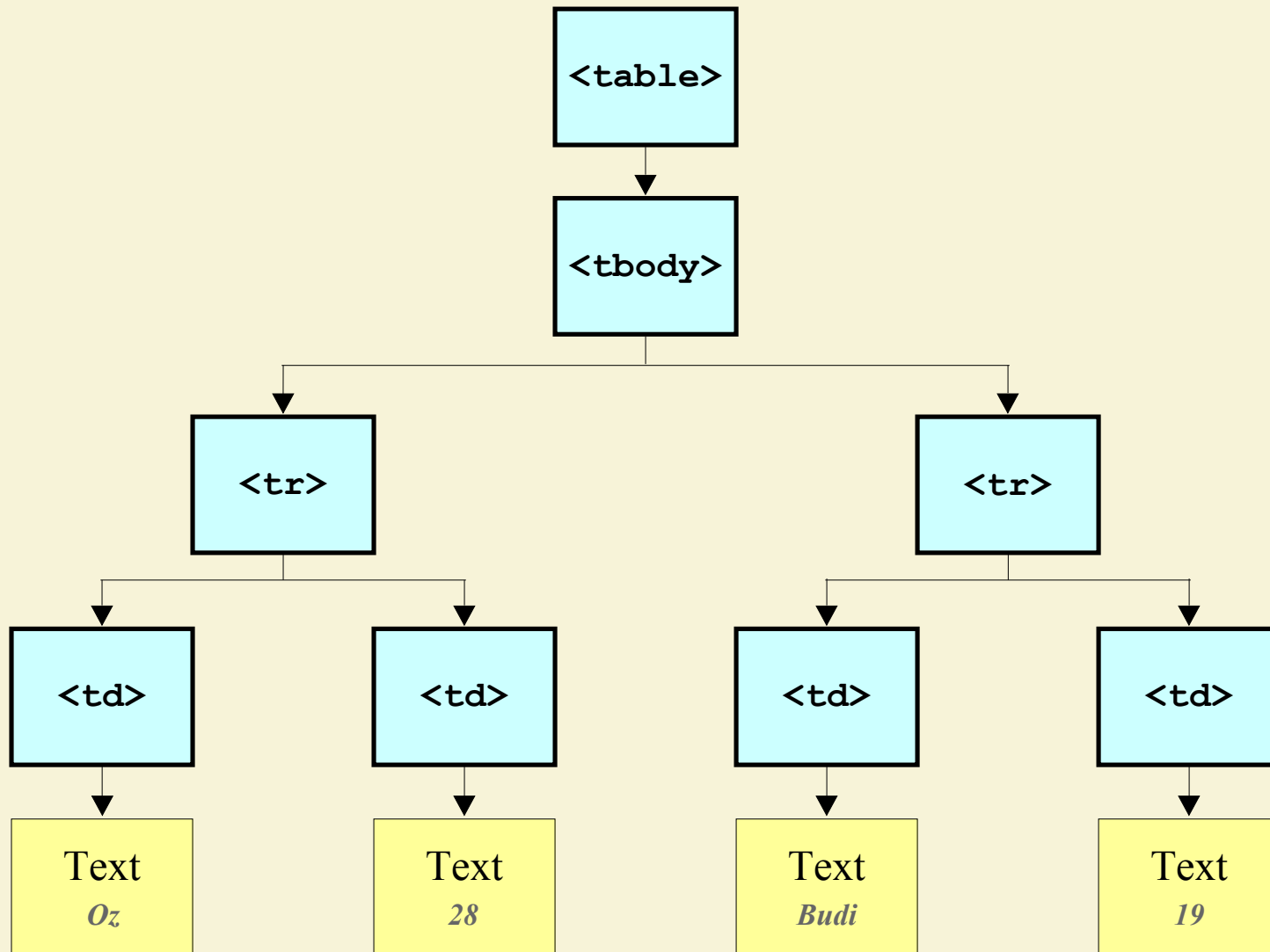
This...

```
<!DOCTYPE html>
<html>
<body>
<table>
<tbody>
<tr> <td>Oz</td> <td>28</td> </tr>
<tr> <td>Budi</td> <td>19</td> </tr>
</tbody>
</table>
</body>
</html>
```

WHAT THE PAGE LOOKS LIKE

Oz 28

Budi 19



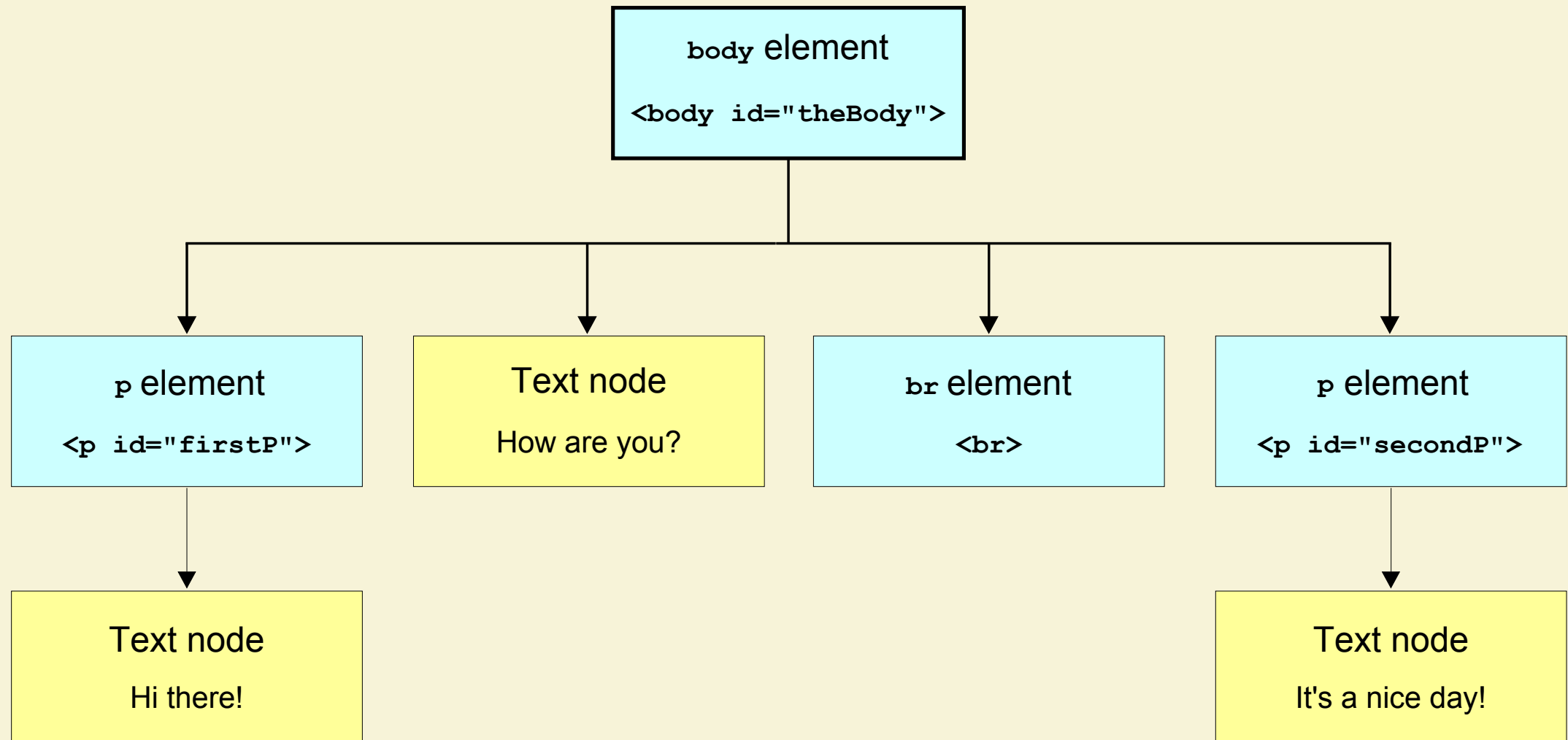
```
<!DOCTYPE html>
<html>
<body id="theBody"><p id="firstP">
Hi there!
</p>
How are you?
<br>
<p id="secondP">
It's a nice day!
</p>
</body>
</html>
```

WHAT THE PAGE LOOKS LIKE

Hi there!

How are you?

It's a nice day!



WHITESPACE NODES

- Whitespace is anything you can't see i.e. spacing
- There may be a text node which contains only whitespace
- These is called a 'whitespace node'
- These are sometimes troublesome

A COMPARISON

```
<body><p>Hello.</p>
```

does not have a whitespace node between <body> and <p>

```
<body>  
<p>Hello.</p>
```

does have a whitespace node between <body> and <p>

EXAMPLE OF A WHITESPACE NODE

```
<!DOCTYPE html>
<html>
<body id="theBody">
<p id="firstP">
Hi there!
</p>
How are you?
</body></html>
```

WHAT THE PAGE LOOKS LIKE

Hi there!

How are you?

