

HTML

HTML FUNDAMENTALS

Text formatting



IN A ROCKET

Learn front-end development at *rocket speed*

LET'S LEARN HTML!

IN THIS MODULE YOU'LL LEARN:

- ☐ How to structure your content with **headers**.
- ☐ How to organize your ideas with **paragraphs**.
- ☐ How to force **spaces** and **preformat** text.
- ☐ How to format quotes with **blockquote**.
- ☐ How to tag relevant content with **mark**.
- ☐ How to create ordered, unordered and description **lists**.
- ☐ How to show/hide additional content with **details**.
- ☐ How to document your code with **comments**.

HEADERS

Use them to define structure and hierarchy of your content

<h1>

Tim Berners-Lee

From Wikipedia, the free encyclopedia

Sir Timothy John "Tim" Berners-Lee, OM, KBE, FRS, FREng, FRSA, DFBCS (born 8 June 1955), also known as "**TimBL**", is a British [computer scientist](#), best known as the inventor of the [World Wide Web](#). He made a proposal for an information management system in March 1989,^[4] and he implemented the first successful communication between a [Hypertext Transfer Protocol \(HTTP\)](#) client and server via the Internet sometime around mid November of that same year.^{[5][6][7][8][9]}

Berners-Lee is the director of the [World Wide Web Consortium \(W3C\)](#), which oversees the Web's continued development. He is also the founder of the [World Wide Web Foundation](#), and is a senior researcher and holder of the [Founders Chair](#) at the [MIT Computer Science and Artificial Intelligence Laboratory \(CSAIL\)](#).^[10] He is a director of the [Web Science Research Initiative \(WSRI\)](#),^[11] and a member of the advisory board of the [MIT Center for Collective Intelligence](#).^{[12][13]}

In 2004, Berners-Lee was [knighted](#) by Queen [Elizabeth II](#) for his pioneering work.^[14] In April 2009, he was elected a foreign associate of the [United States National Academy of Sciences](#).^{[15][16]} He was honoured as the "Inventor of the World Wide Web" during the [2012 Summer Olympics opening ceremony](#), in which he appeared in person, working with a vintage [NeXT Computer](#) at the [London Olympic Stadium](#).^[17] He [tweeted](#) "This is for everyone",^[18] which instantly was spelled out in [LCD](#) lights attached to the chairs of the 80,000 people in the audience.^[17]

Contents [\[show\]](#)

Early life

Berners-Lee was born in southwest London, England, on 8 June 1955,^[19] one of four children born to [Mary Lee Woods](#) and [Conway Berners-Lee](#). His parents worked on the first commercially-built computer, the [Ferranti Mark 1](#). He attended Sheen Mount Primary School, and then went on to attend south west London's independent [Emanuel School](#) from 1969 to 1973.^{[1][14]} A keen [trainspotter](#) as a child, he learnt about electronics from tinkering with a model railway.^[20] He studied at [The Queen's College](#) of the [University of Oxford](#) from 1973 to 1976, where he received a [first-class degree](#) in physics.^[19]

Sir Tim Berners-Lee



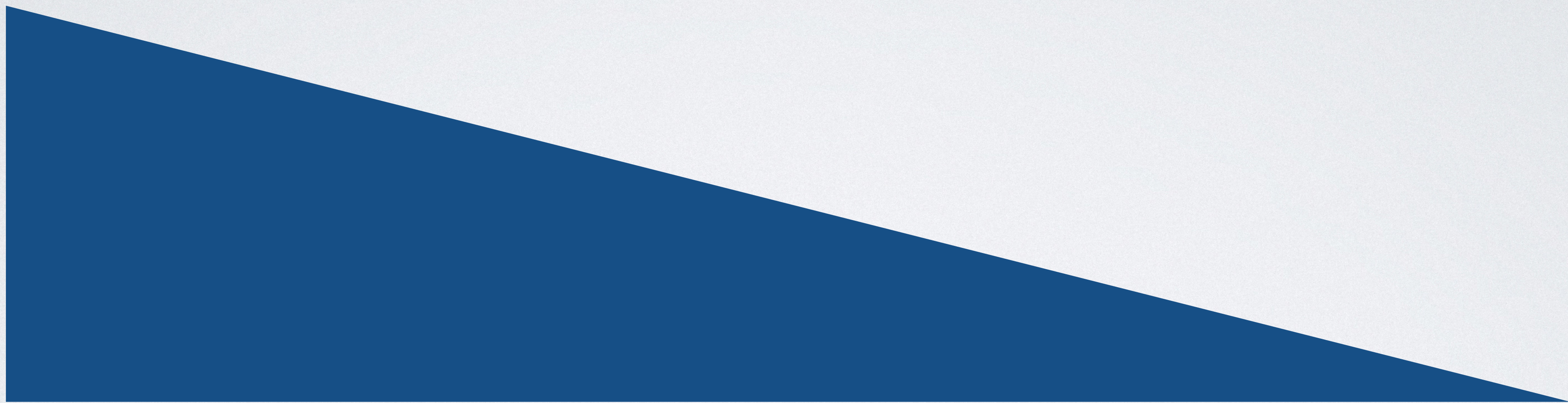
Berners-Lee in 2012

Born	Timothy John Berners-Lee 8 June 1955 (age 59) ^[1] London, England United Kingdom
Residence	United Kingdom and United States ^[2]
Nationality	British
Alma mater	The Queen's College, Oxford
Occupation	Computer scientist
Employer	World Wide Web Consortium University of Southampton Plessey

<h2>

Very
important

Less
important



`<h1>`

`<h2>`

`<h3>`

`<h4>`

`<h5>`

`<h6>`

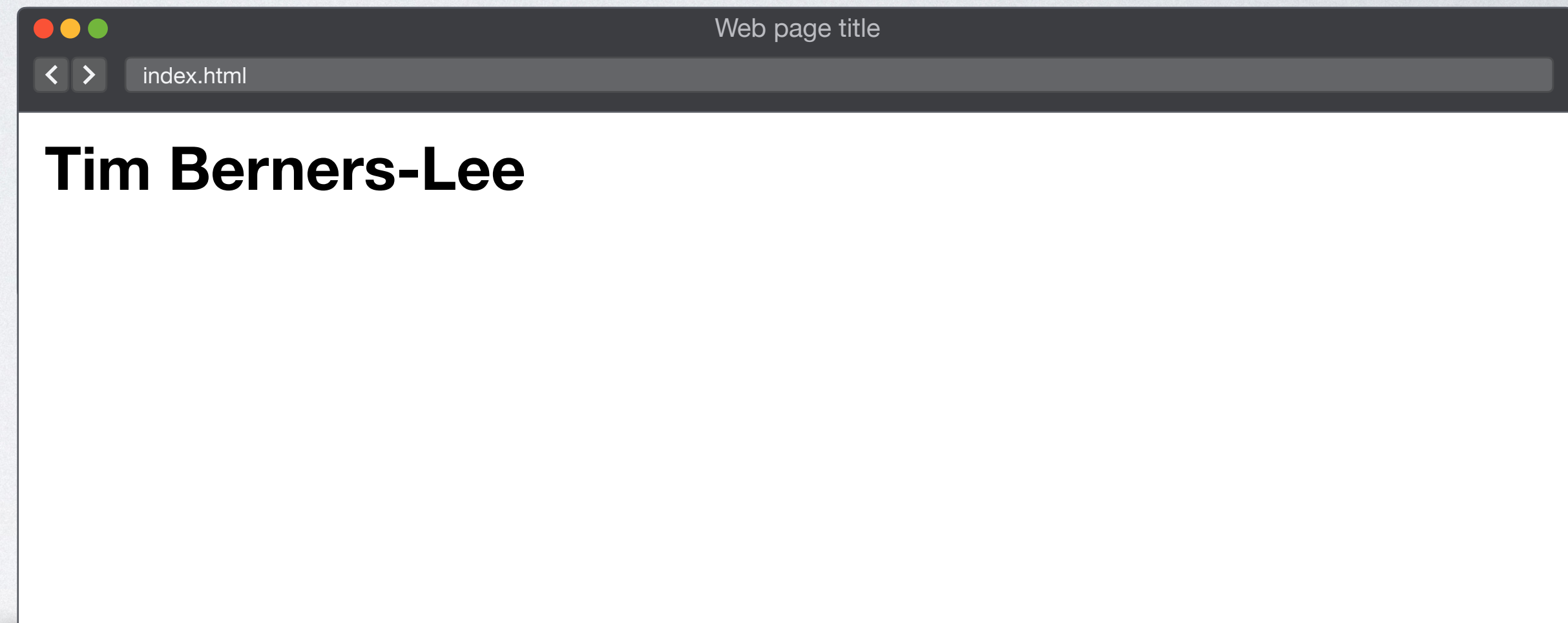
HEADERS

Editor

READY TO USE CODE

```
<body>  
<h1>Tim Berners-Lee</h1>  
</body>
```

Browser



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PARAGRAPHS

They help you structure the text

<p>

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Sir Tim Berners-Lee



Berners-Lee in 2012

Born	Timothy John Berners-Lee <div>8 June 1955 (age 59)^[1]</div> <div>London, England</div> <div>United Kingdom</div>
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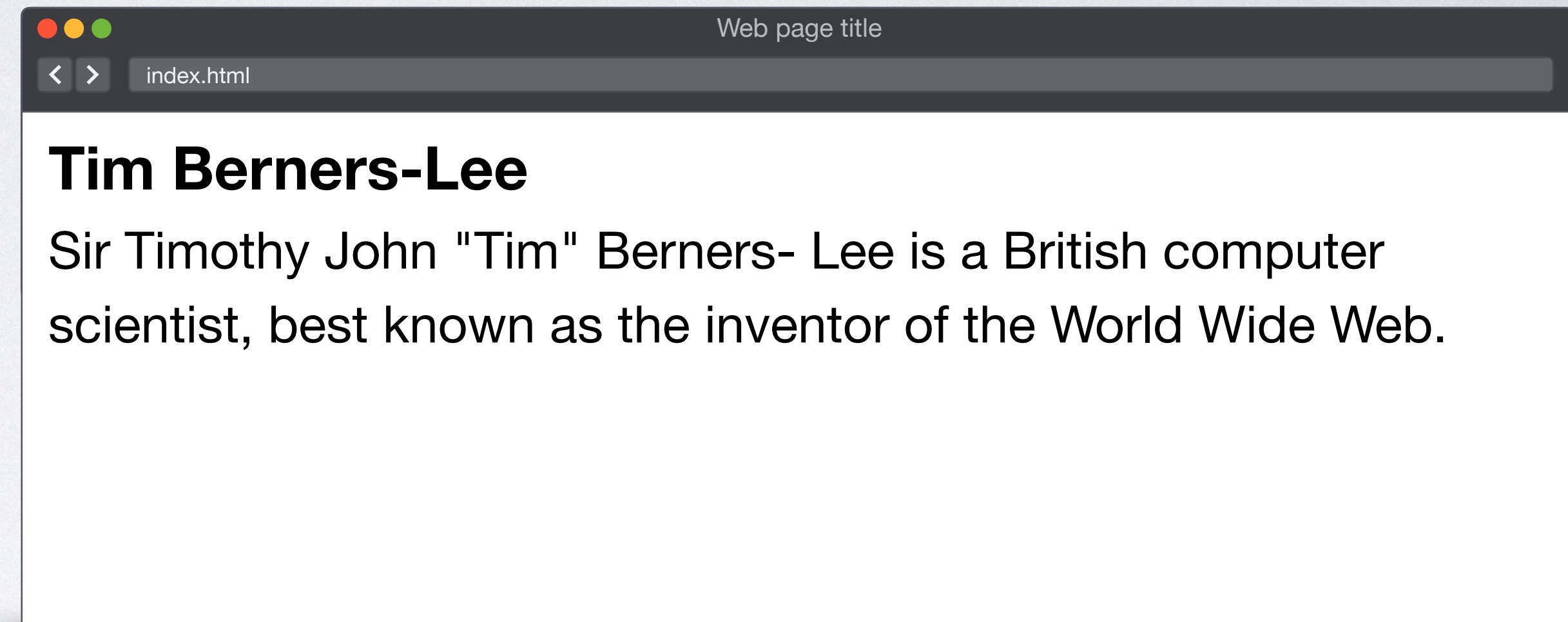
PARAGRAPHS

Editor

READY TO USE CODE

```
<body>
<h1>Tim Berners-Lee</h1>
<p>Sir Timothy John "Tim" Berners-
Lee is a British computer
scientist, best known as the
inventor of the World Wide Web.</p>
</body>
```

Browser



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EMPHASIS & IMPORTANCE

Use them to stress and emphasize certain words

EMPHASIS

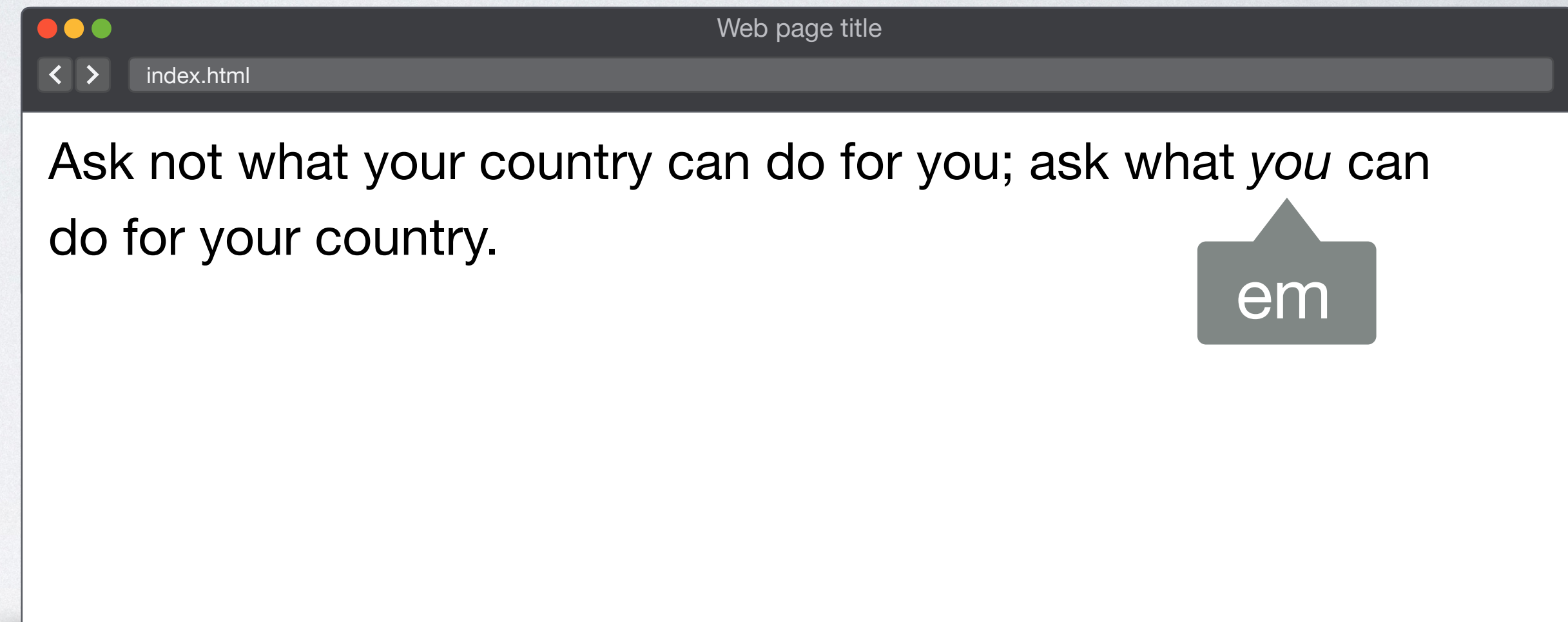
Editor

READY TO USE CODE

```
<body>
<p>Ask not what your country can
do for you; ask what <em>you</em>
can do for your country.</p>
</body>
```

The **em** element marks text that has stress emphasis.

Browser



IMPORTANCE

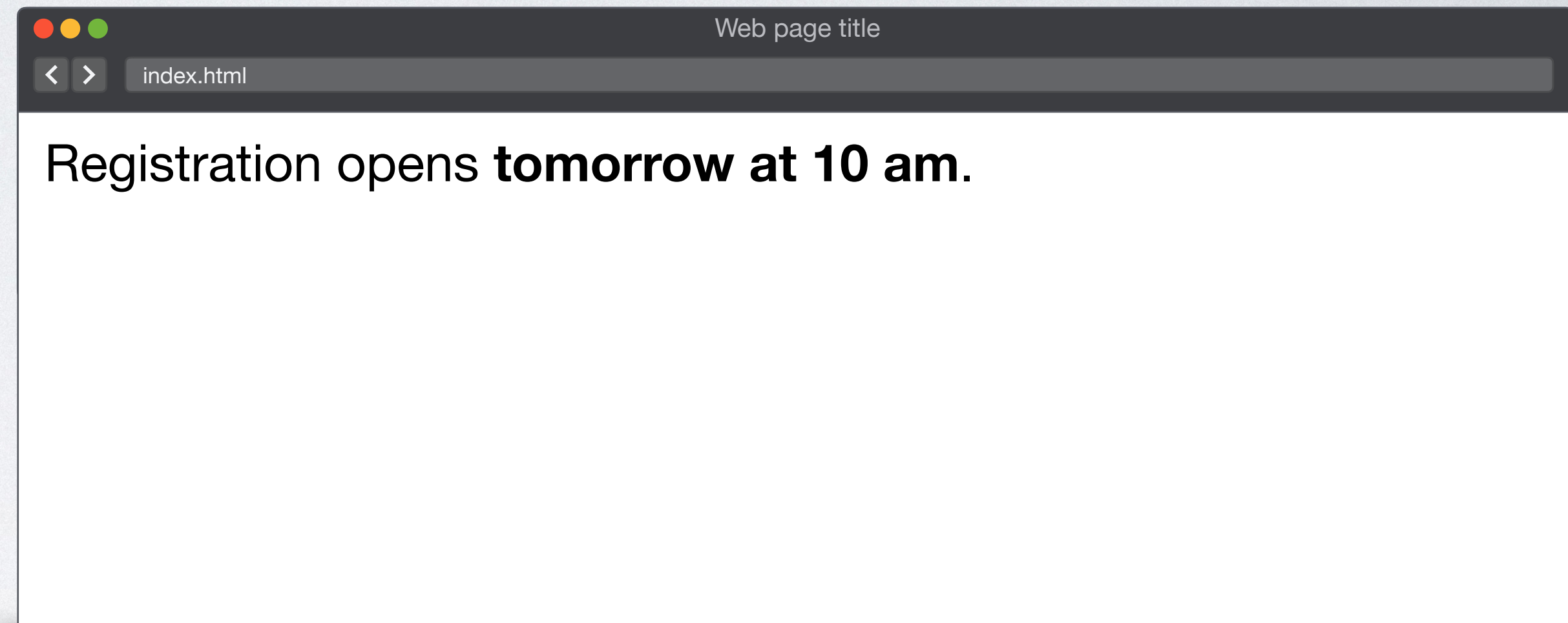
Editor

READY TO USE CODE

```
<body>
<p>Registration opens
<strong>tomorrow at 10 am</strong>.
</p>
</body>
```

The **strong** element gives text strong importance, and is typically displayed in bold.

Browser



SPACES

They help you separate content

SPACES: NON BREAKING SPACES

Inserts a single space into your content

The entity stands for "non breaking space"

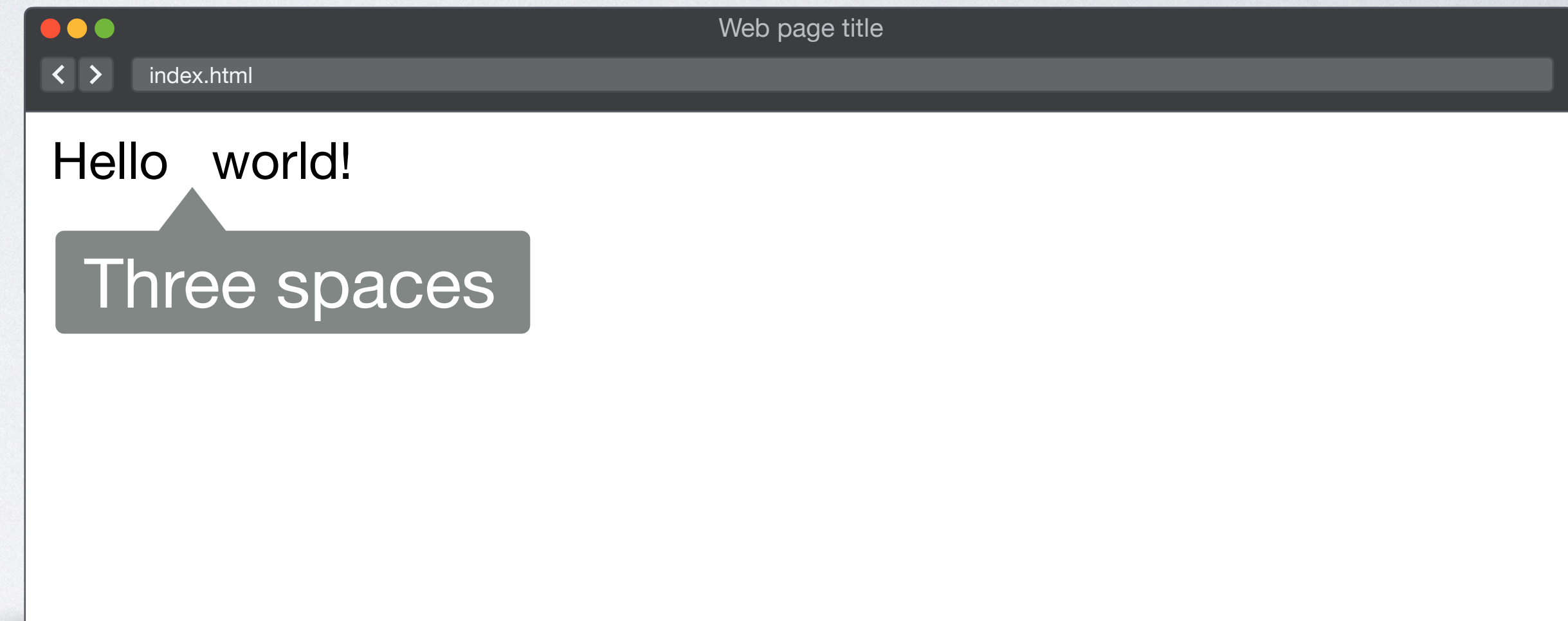
SPACES: NON BREAKING SPACES

Editor

READY TO USE CODE

```
<body>  
<p>Hello&nbsp;&nbsp;&nbsp;world!</p>  
</body>
```

Browser



Inserts a line break into your content

HTML elements with no content are called empty elements and they have no closing tag in HTML5

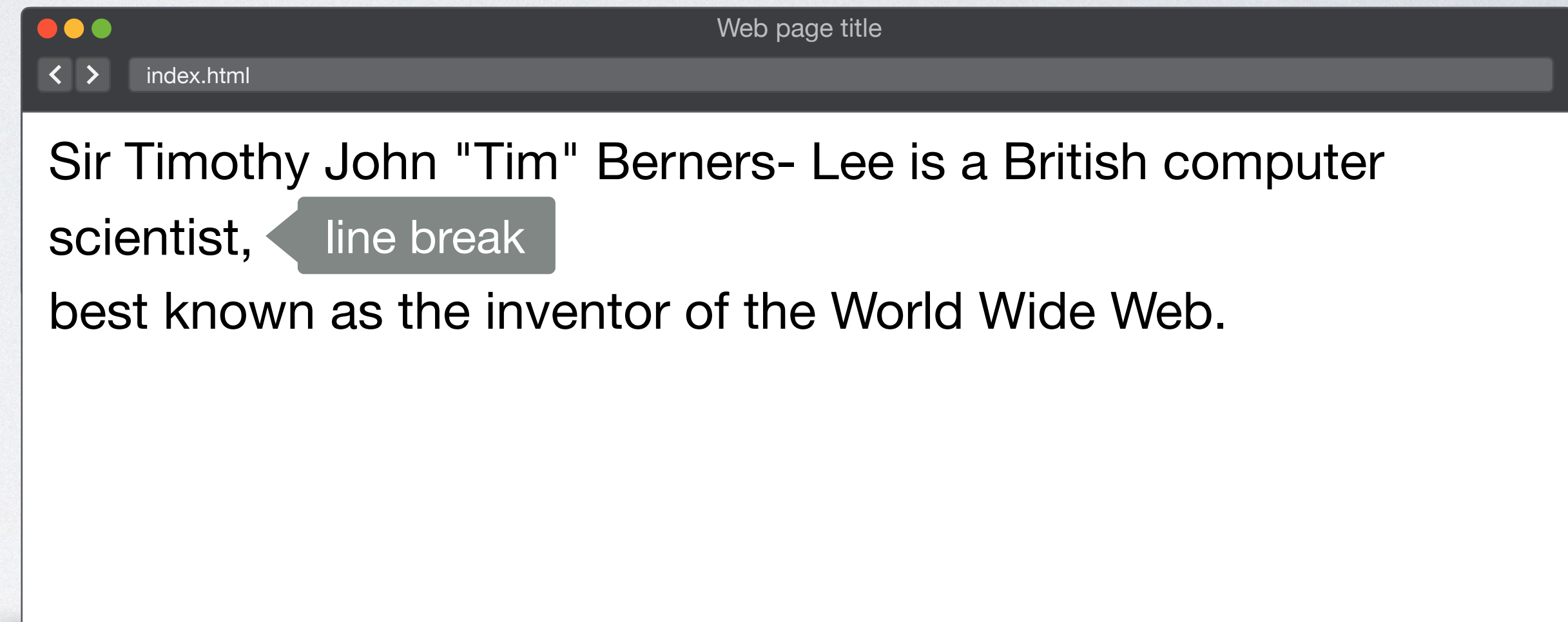
SPACES: LINE BREAKS

Editor

READY TO USE CODE

```
<body>
<p>Sir Timothy John "Tim" Berners-
Lee is a British computer
scientist, <br>best known as the
inventor of the World Wide Web.</p>
</body>
```

Browser



SPACES: HORIZONTAL LINES

Inserts a horizontal line and
represents a thematic break between paragraph-level elements

`<hr>`

HTML elements with no content are called empty elements and
they have no closing tag in HTML5

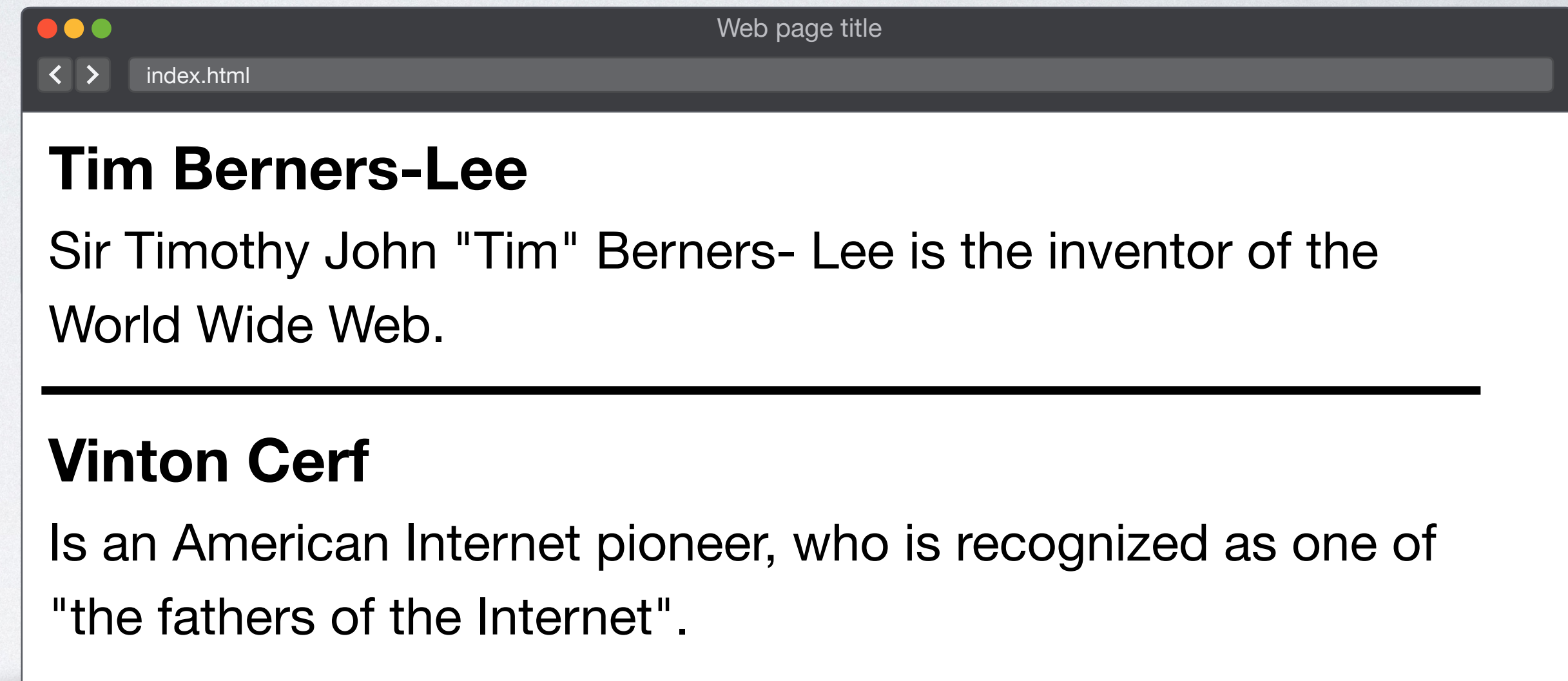
SPACES: HORIZONTAL LINES

Editor

READY TO USE CODE

```
<body>
<h1>Tim Berners-Lee</h1>
<p>Sir Timothy John "Tim" Berners-Lee
is the inventor of the World Wide Web.
</p>
<hr>
<h1>Vinton Cerf</h1>
<p>Is an American Internet pioneer, who
is recognized as one of "the fathers of
the Internet".</p>
</body>
```

Browser



PREFORMATTED TEXT

*Text is rendered using a fixed font and
whitespace characters are treated literally*

PREFORMATTED TEXT

Editor

READY TO USE CODE

```
<body>  
<pre>Preformatted text is displayed in  
a fixed-width font, and it preserves  
both  
spaces      and line  
breaks.</pre>  
</body>
```

The **pre** element represents a block of preformatted text, in which structure is represented by typographic conventions rather than by elements.

Browser



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CODE

Use it to represent fragments of computer code

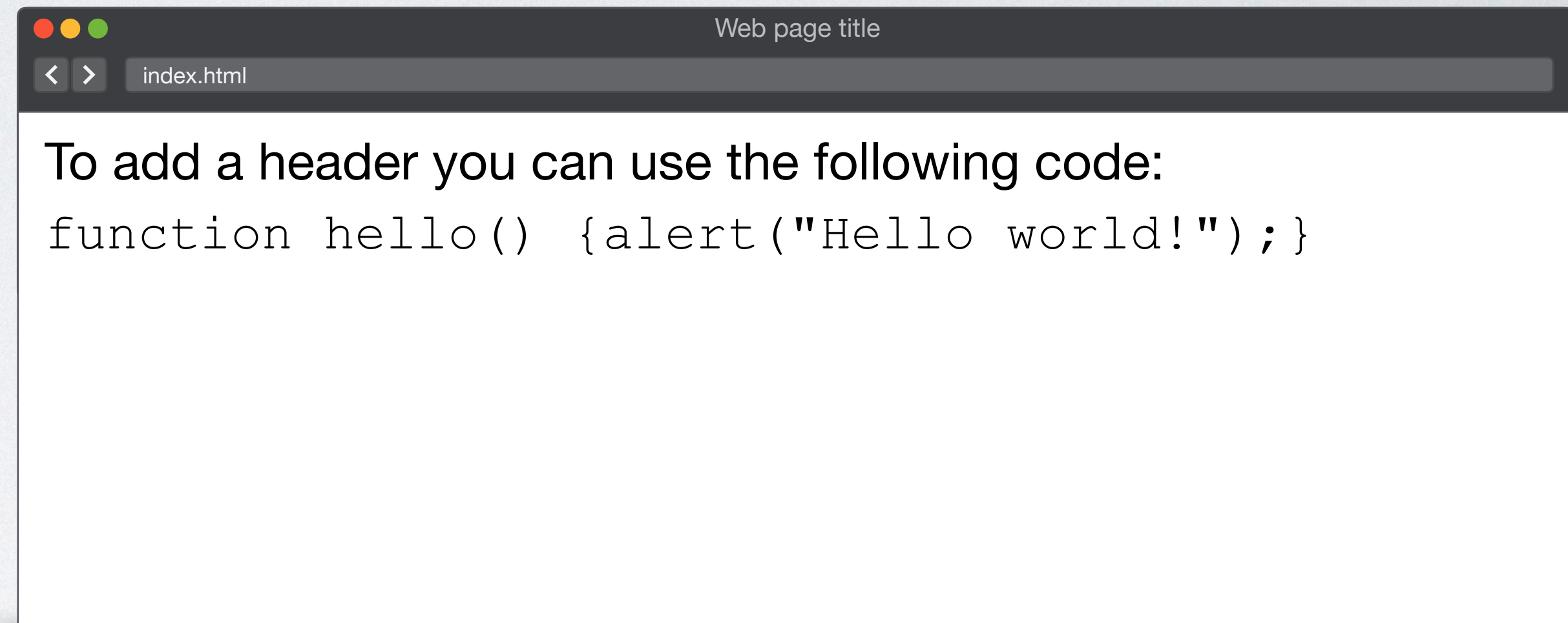
Editor

READY TO USE CODE

```
<body>
<p>To add a header you can use the
following code:<br>
<code>function hello( )
{alert( "Hello world!" );}</code>
</p>
</body>
```

The **code** element represents a fragment of computer code.

Browser



FIGURE

Used to represent self-contained content, frequently with a caption

FIGURE

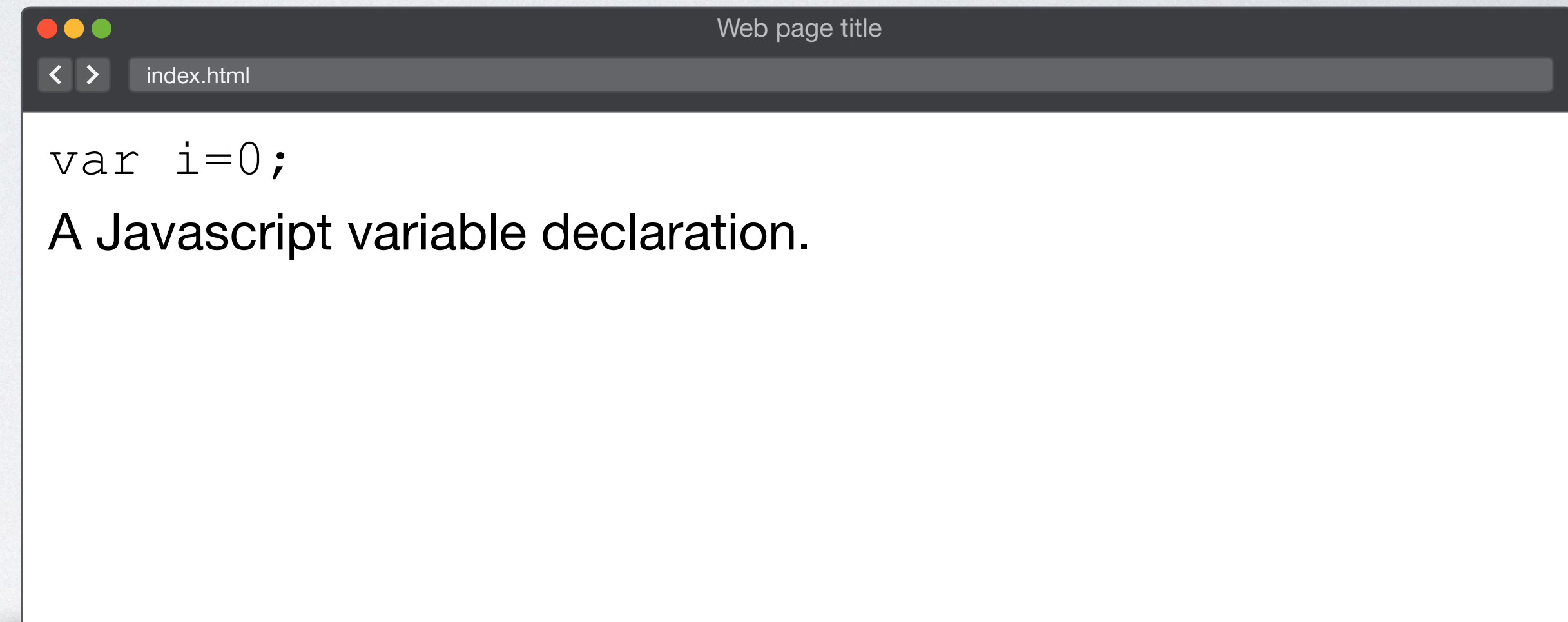
Editor

READY TO USE CODE

```
<body>
<figure>
  <code>var i=0;</code>
  <figcaption>A JavaScript variable
  declaration.</figcaption>
</figure>
</body>
```

The **figure** element represents some flow content, optionally with a caption, that is self-contained and is typically referenced as a single unit from the main flow of the document.

Browser



BLOCKQUOTE

It indicates that the enclosed text is an extended quotation

BLOCKQUOTE

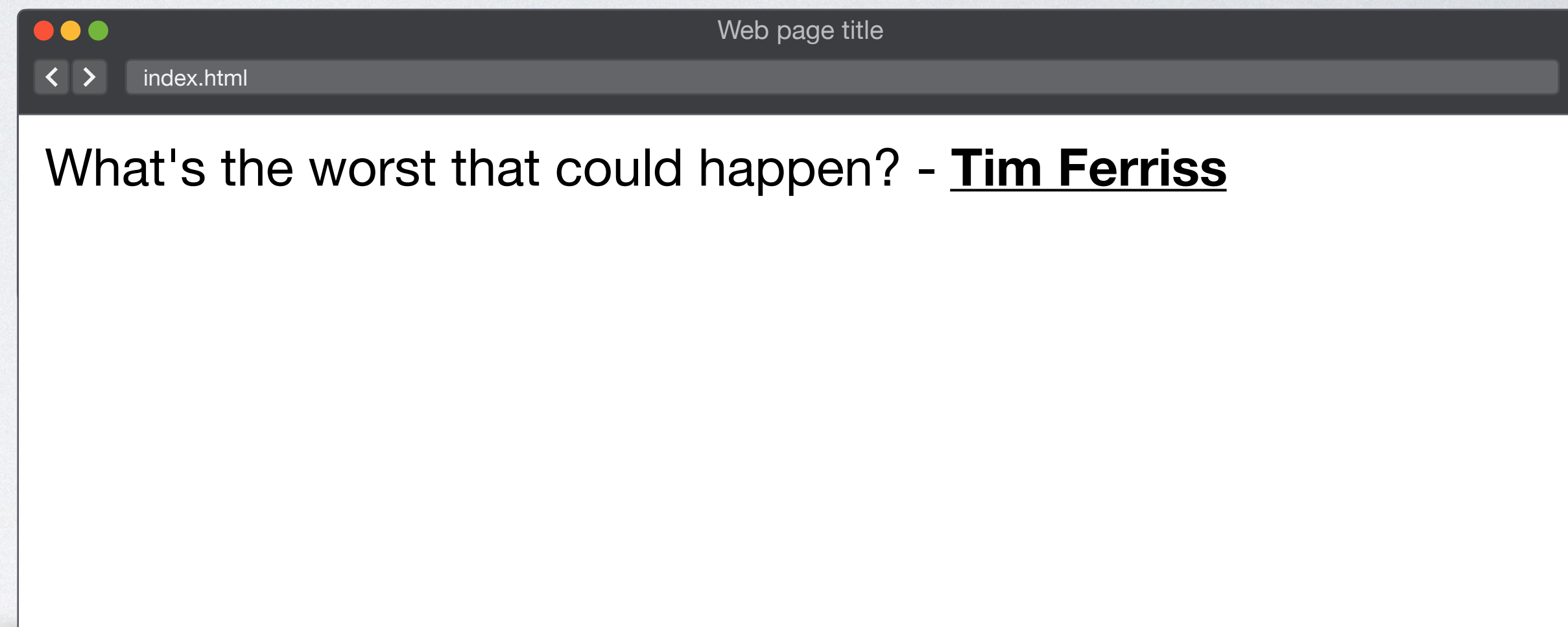
Editor

READY TO USE CODE

```
<body>
<bblockquote>What's the worst that could
happen? - <cite><a href="https://
en.wikipedia.org/wiki/Tim_Ferriss">Tim
Ferriss</a></cite>
</blockquote>
</body>
```

The **blockquote** element represents content that is quoted from another source, optionally with a citation which must be within a footer or cite element.

Browser



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MARK

Use it to represent highlighted text due to its relevance in a particular context

<mark>

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[show]

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Sir Tim Berners-Lee



Berners-Lee in 2012

Born

Residence

Nationality

Alma mater

Occupation

Employer

Timothy John Berners-Lee

8 June 1955 (age 59)^[1]

London, England

United Kingdom

United Kingdom and United States^[2]

British

The Queen's College, Oxford

Computer scientist

World Wide Web Consortium

University of Southampton

Plessey

HTML FUNDAMENTALS: Text formatting

inarocket.com

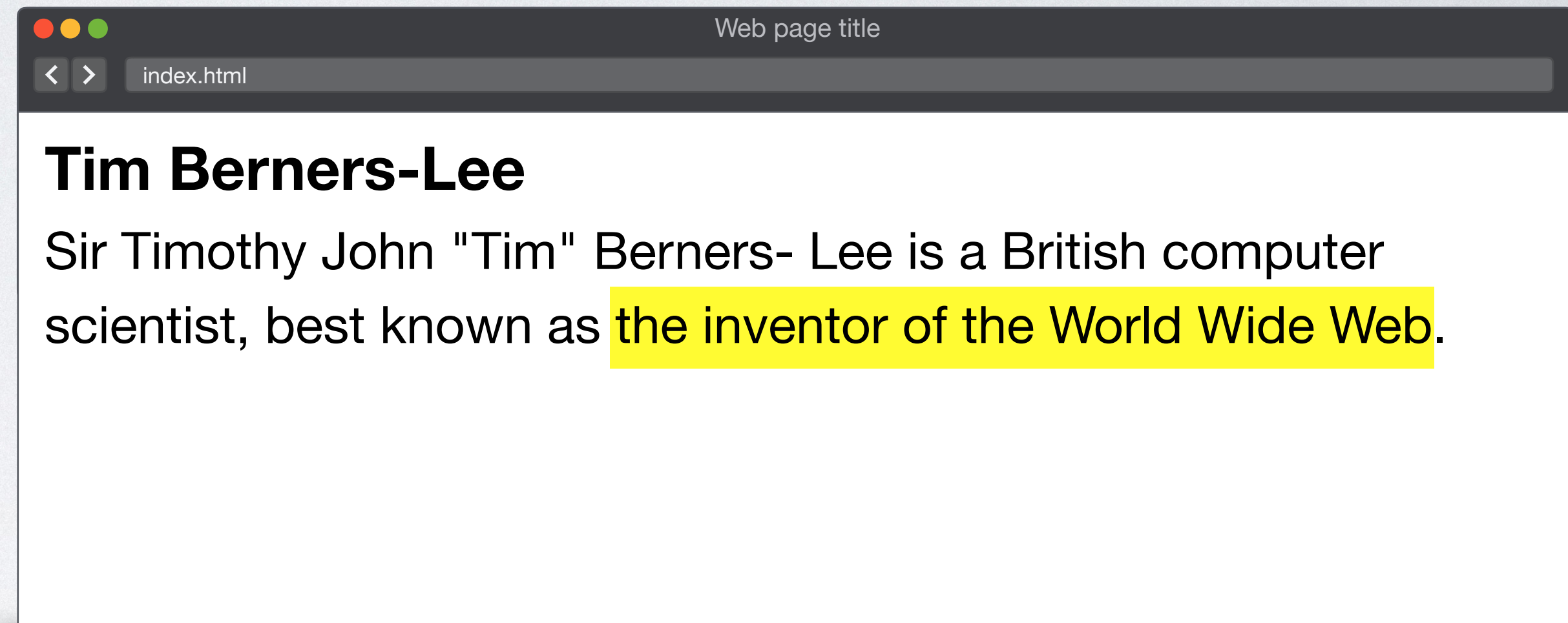
Editor

READY TO USE CODE

```
<body>
<h1>Tim Berners-Lee</h1>
<p>Sir Timothy John "Tim" Berners-
Lee is a British computer scientist,
best known as <mark>the inventor of
the World Wide Web</mark>.</p>
</body>
```

Mark element is used to tag content that has relevance.

Browser



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LISTS

Use them to mark up lists of items

LISTS: UNORDERED

Editor

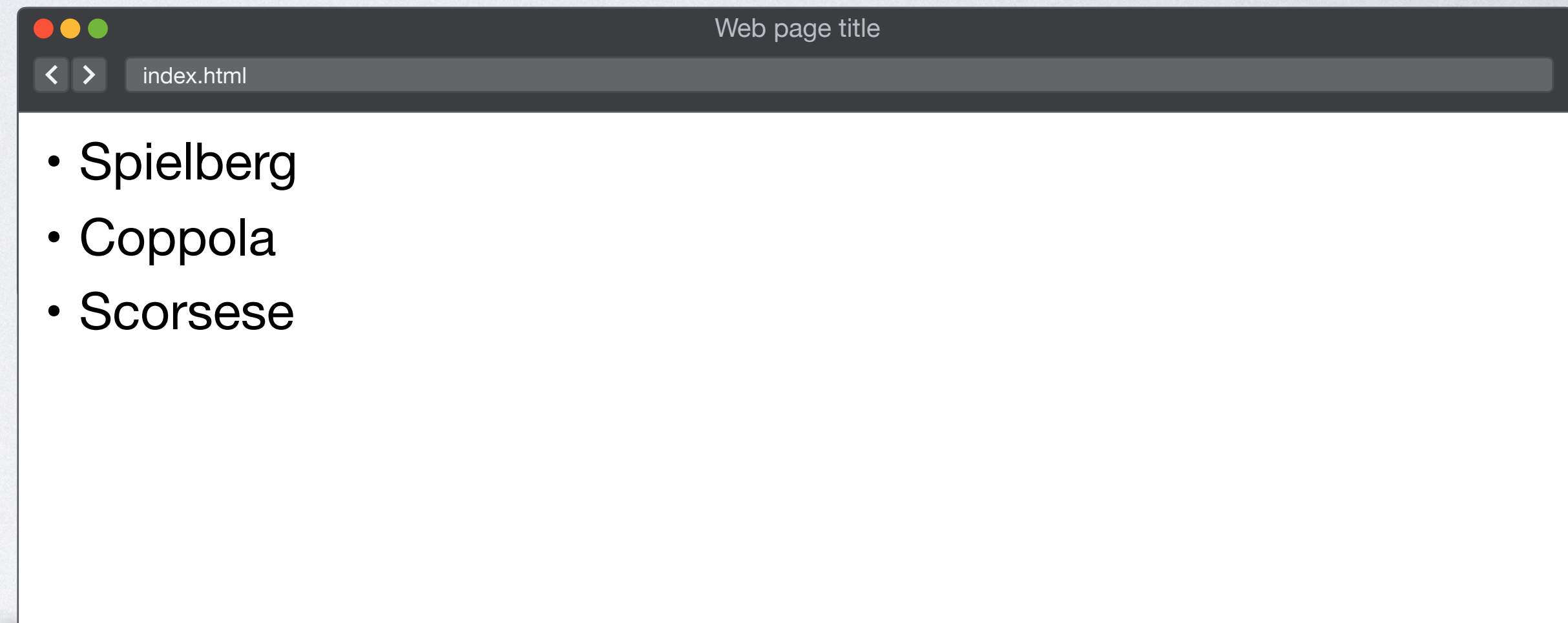
READY TO USE CODE

```
<body>
<ul>
  <li>Spielberg</li>
  <li>Coppola</li>
  <li>Scorsese</li>
</ul>
</body>
```

ul = unordered list.

li = list item.

Browser



LISTS: ORDERED

Editor

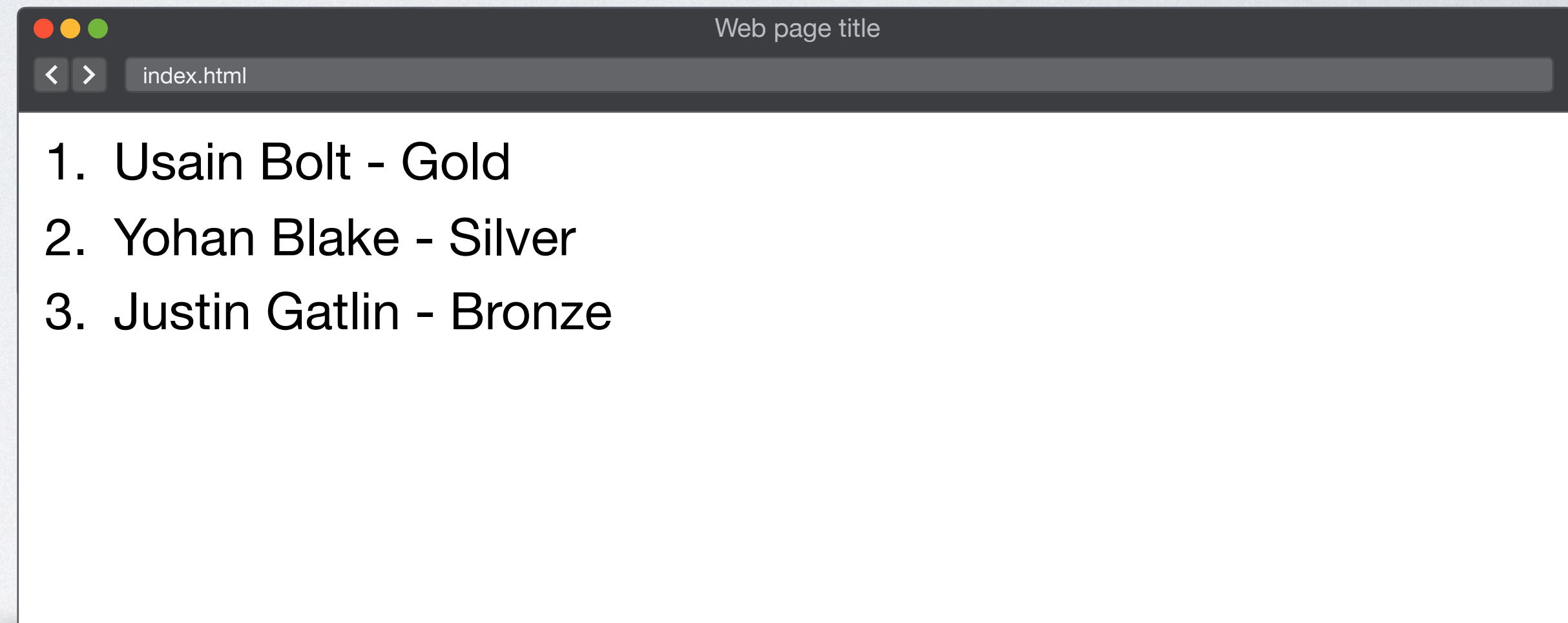
READY TO USE CODE

```
<body>
<ol>
  <li>Usain Bolt - Gold</li>
  <li>Yohan Blake - Silver</li>
  <li>Justin Gatlin - Bronze</li>
</ol>
</body>
```

ol = ordered list.

li = list item.

Browser



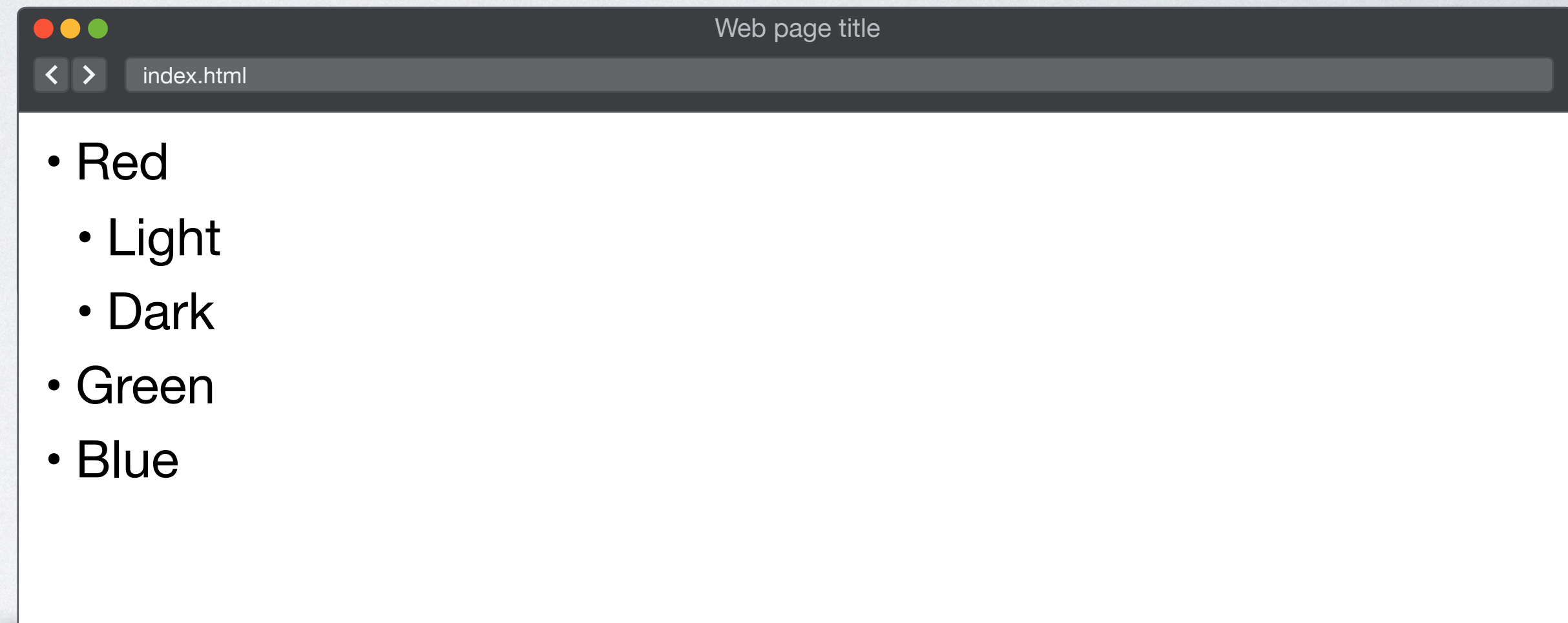
LISTS: NESTED

Editor

READY TO USE CODE

```
<body>
<ul>
  <li>Red
    <ul>
      <li>Light</li>
      <li>Dark</li>
    </ul>
  </li>
  <li>Green</li>
  <li>Blue</li>
</ul>
</body>
```

Browser



LISTS: DESCRIPTION

Editor

READY TO USE CODE

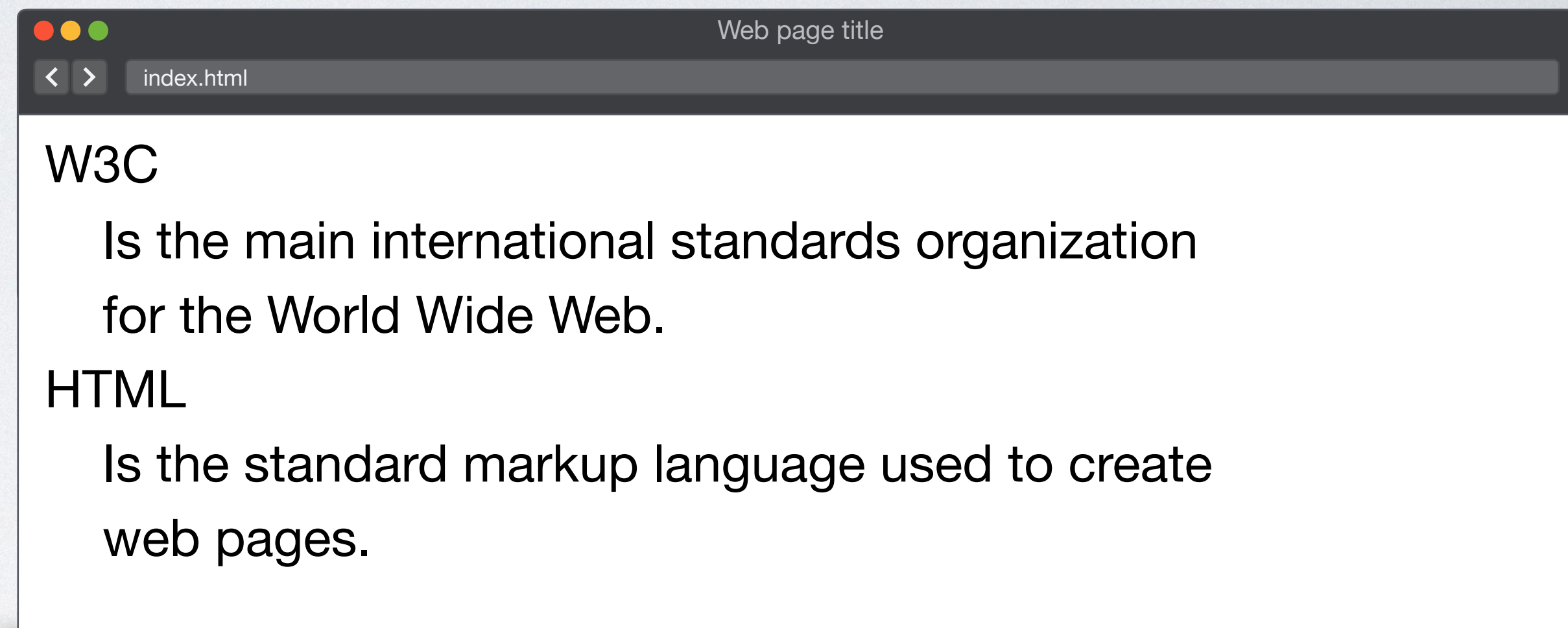
```
<body>
<dl>
  <dt>W3C</dt>
  <dd>Is the main international
standards organization for the World
Wide Web.</dd>
  <dt>HTML</dt>
  <dd>Is the standard markup language
used to create web pages.</dd>
</dl>
</body>
```

dl = definition list.

dt = definition term.

dd = definition definition.

Browser



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DETAILS

A disclosure widget from which the user can retrieve additional information

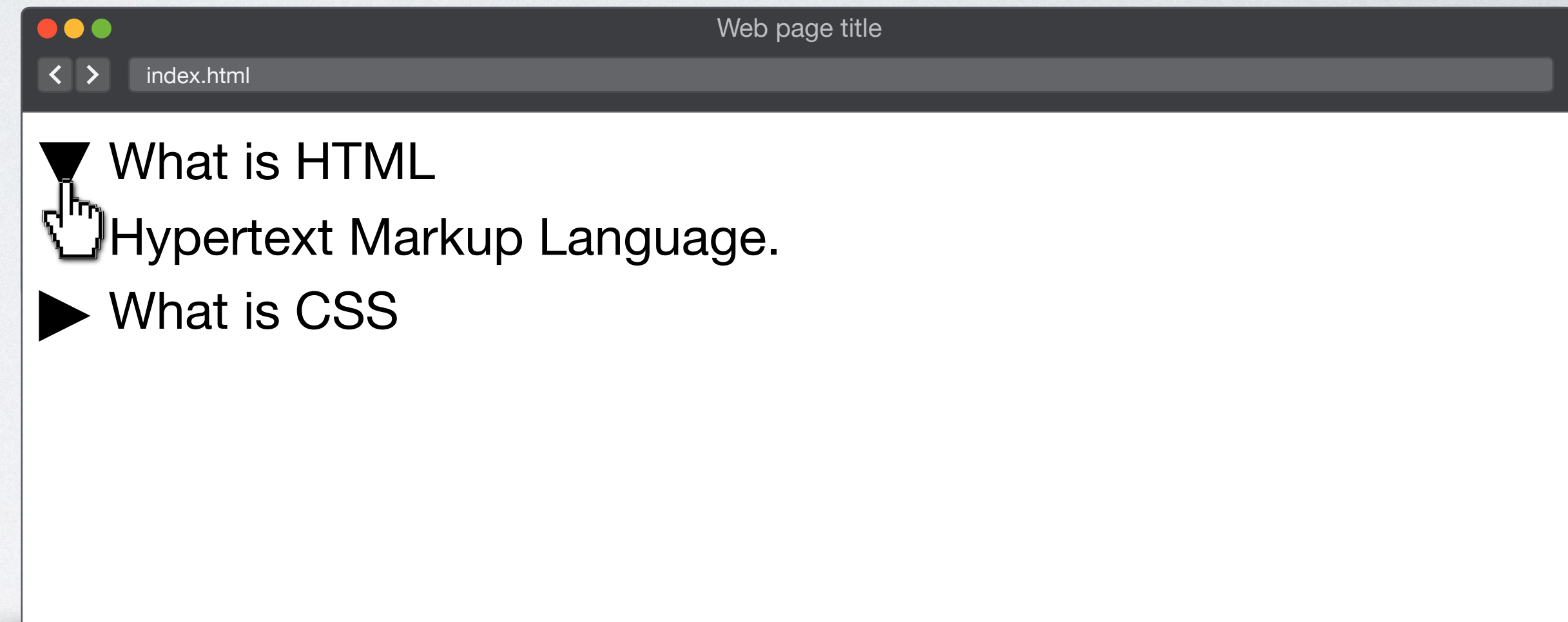
DETAILS

Editor

READY TO USE CODE

```
<body>
<details>
  <summary>What is HTML</summary>
  <p>Hypertext Markup Language</p>
</details>
<details>
  <summary>What is CSS</summary>
  <p>Cascading Style Sheets.</p>
</details>
</body>
```

Browser



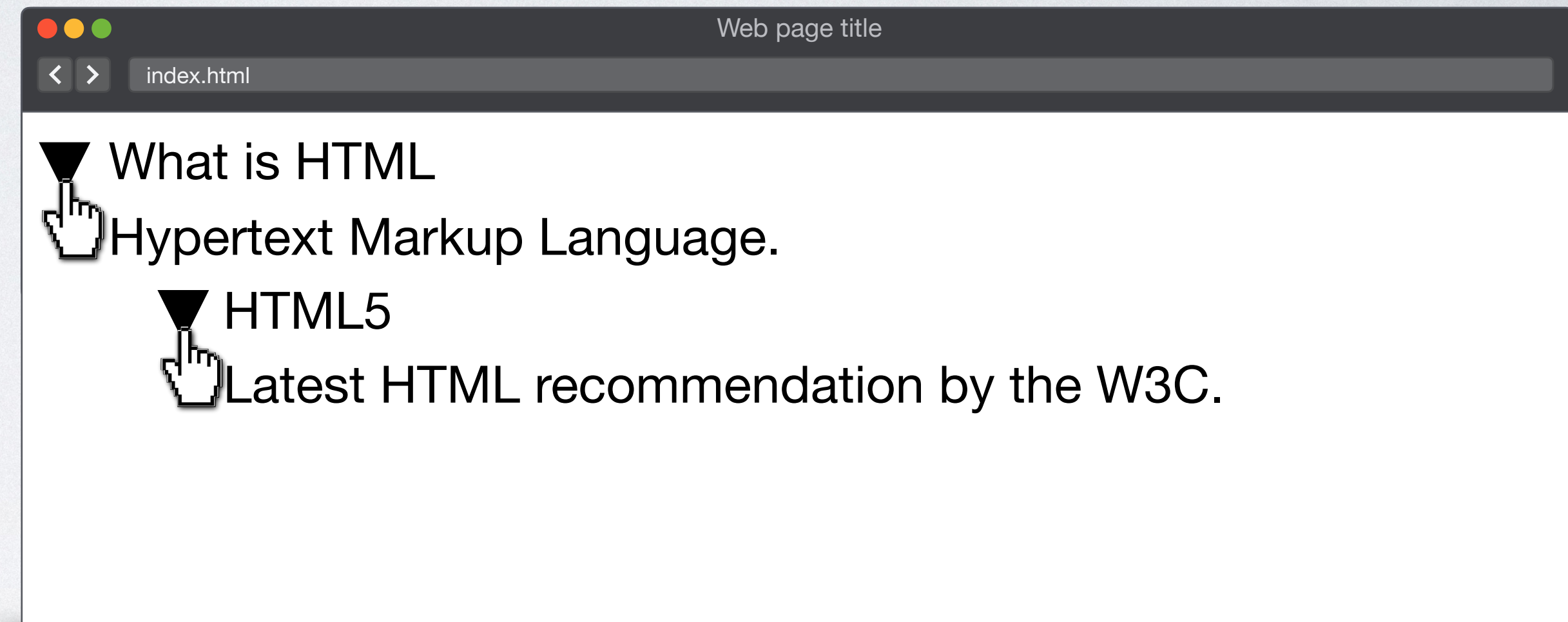
DETAILS: NESTED

Editor

READY TO USE CODE

```
<body>
<details>
  <summary>What is HTML</summary>
  <p>Hypertext Markup Language</p>
  <details>
    <summary>HTML5</summary>
    <p>Latest HTML recommendation by the
      W3C.</p>
  </details>
</details>
</body>
```

Browser



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COMMENTS

Include them in your code to say how it works

COMMENTS

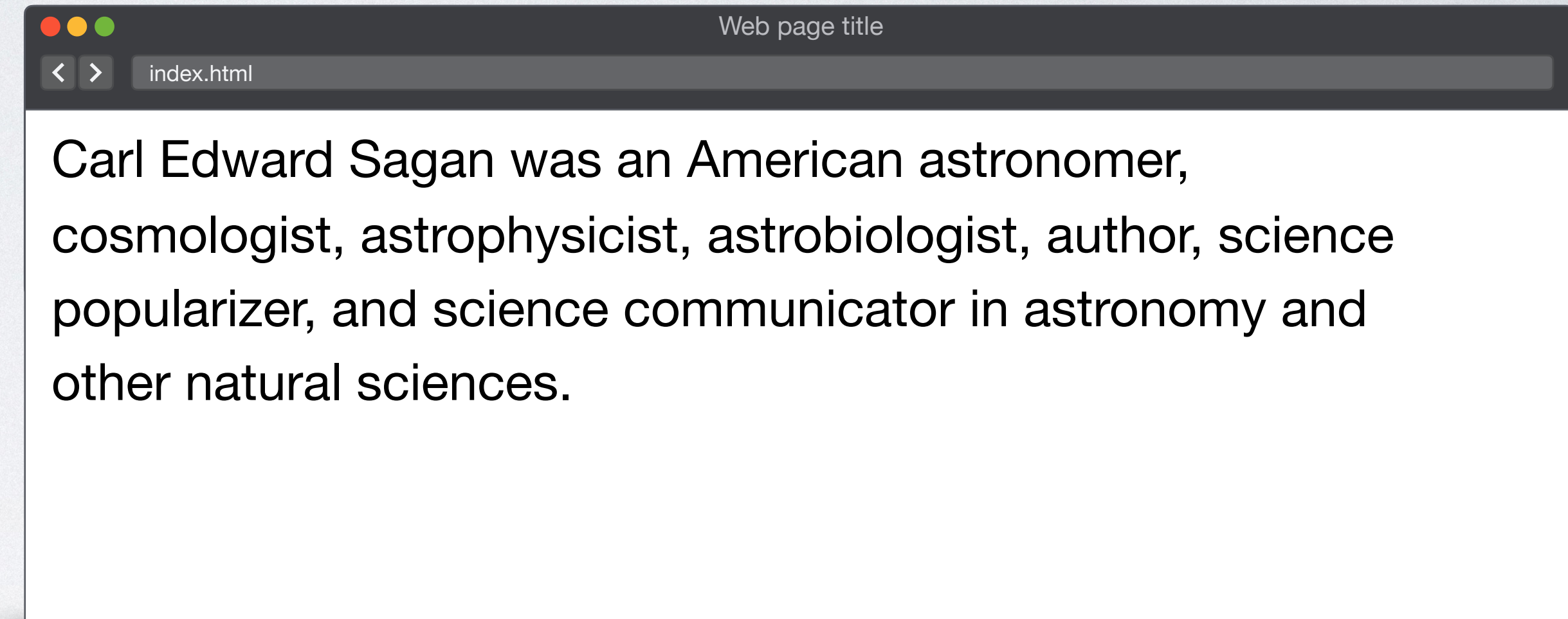
Editor

READY TO USE CODE

```
<body>
<!-- Main paragraph starts -->
<p>Carl Edward Sagan was an American
astronomer, cosmologist, astrophysicist,
astrobiologist, author, science
popularizer, and science communicator in
astronomy and other natural sciences.</p>
</body>
```

A **comment** can be useful for documenting your code and is ignored by the browser.

Browser



*"Any fool can write code that a computer can understand.
Good programmers write code that humans can understand."*

– Martin Fowler

British software developer, author and international public speaker on software development.

HTML ENTITIES

Used to display reserved and invisible characters

RECOMMENDED REFERENCE

HTML Arrow Symbols, Entities and Codes — Toptal Designers

HTML →
by Toptal Designers

Arrows
↕↔

Currency
\$¢

Letters
AÐ

Math
%+

Numbers
1%

Punctuation
&—

Symbols
©™

🐦 f g+

🔍 Search

🗪 GRID 📄 TABLE

HTML Arrow Symbol, Arrow Entity and ASCII Arrow Character Code Reference

HTML Arrows is a comprehensive reference website for finding HTML symbol codes and entities, ASCII characters and Unicode hexadecimal values to use in your web design. Browse in grid or table format, search for HTML symbols, and check out [Toptal's](#) professional designers' [blog](#) for digital design insights, from detailed design tutorials to in-depth coverage of new trends, techniques, and technologies. Or just keep scrolling to find your favorite HTML arrow symbol, arrow entity, Unicode and ASCII arrow character codes.

LEFT ARROW	UP ARROW	RIGHT ARROW	DOWN ARROW	LEFT RIGHT ARROW	UP DOWN ARROW	NORTH WEST ARROW	NORTH EAST ARROW
←	↑	→	↓	↔	↕	↖	↗
U+02190 <small>UNICODE</small>	U+02191 <small>UNICODE</small>	U+02192 <small>UNICODE</small>	U+02193 <small>UNICODE</small>	U+02194 <small>UNICODE</small>	U+02195 <small>UNICODE</small>	U+02196 <small>UNICODE</small>	U+02197 <small>UNICODE</small>
←	↑	→	↓	↔	↕	↖	↗

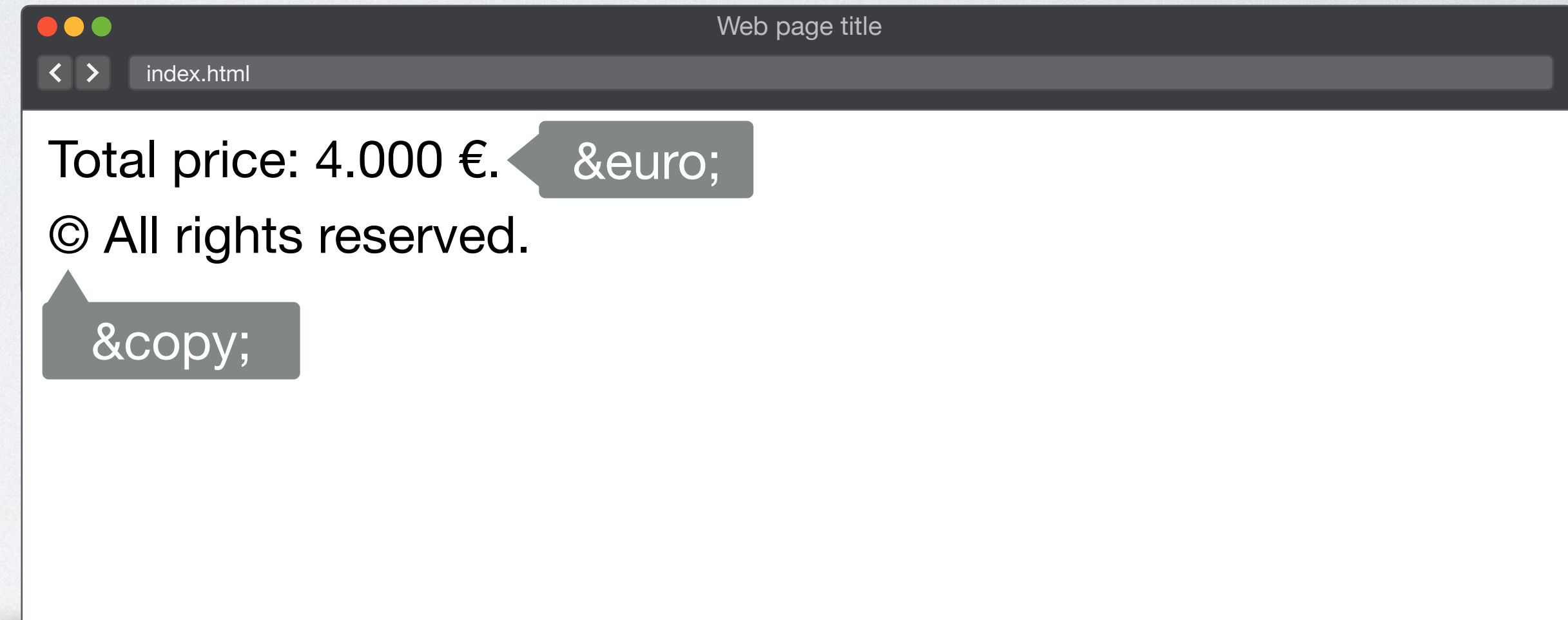
HTML ENTITIES

Editor

READY TO USE CODE

```
<body>
<p>Total price: 4.000 &euro;.</p>
<p>&copy; All rights reserved.</p>
</body>
```

Browser



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YOU CAN CONTINUE THIS COURSE FOR FREE ON

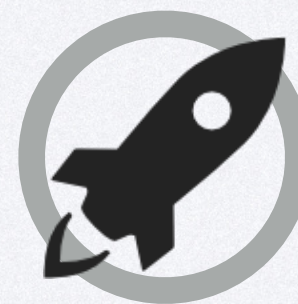
inrocket.com

Learn front-end development at *rocket speed*

+ READY TO USE CODE

+ QUIZZES

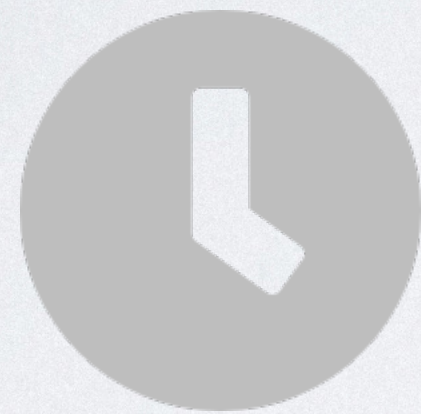
+ FREE UPDATES



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inrocket.com

Learn front-end development at *rocket speed*



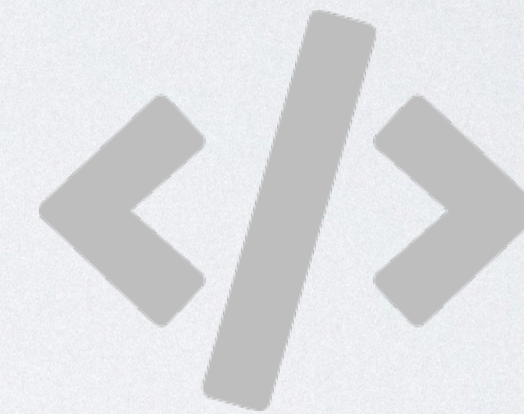
We respect your time

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Real code you can just copy and paste into your real projects.

HTML

HTML FUNDAMENTALS

Text formatting



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