

Web Programming

<http://www.example.com/>

<http://www.example.com/index.html>

HTML

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<!DOCTYPE html>
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<html>
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  <head>
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    <title>
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      hello, title
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    </title>
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  </head>
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  <body>
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    hello, body
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  </body>
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<!DOCTYPE html>
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    </title>
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    </title>
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  <body>
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  </body>
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    </title>
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  <body>
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    hello, body
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  </body>
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</html>
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<!DOCTYPE html>
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<html lang="en">
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  <head>
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    <title>
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      hello, title
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    </title>
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  </head>
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  <body>
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    hello, body
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  </body>
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</html>
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CSS

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<!DOCTYPE html>
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<html lang="en">
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  <head>
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    <title>
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      hello, title
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    </title>
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  </head>
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  <body>
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    hello, body
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  </body>
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</html>
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<!DOCTYPE html>
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```
<html lang="en">
```

```
  <head>
```

```
    <style>
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    </style>
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    <title>
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      hello, title
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    </title>
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  </head>
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  <body>
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    hello, body
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  </body>
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</html>
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```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <link href="styles.css" rel="stylesheet">
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    <title>
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      hello, title
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    </title>
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  </head>
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  <body>
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    hello, body
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  </body>
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</html>
```

- Bash
- C
- C++
- C#
- Clojure
- Erlang
- F#
- Go
- Haskell
- Java
- JavaScript
- Objective-C
- OCaml

- PHP
- Python
- R
- Ruby
- Scala
- Scheme
- SQL
- Swift
- ...

JavaScript

- functions
- conditions
- Boolean expressions
- loops
- ...

```
<!DOCTYPE html>
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  <head>
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    </title>
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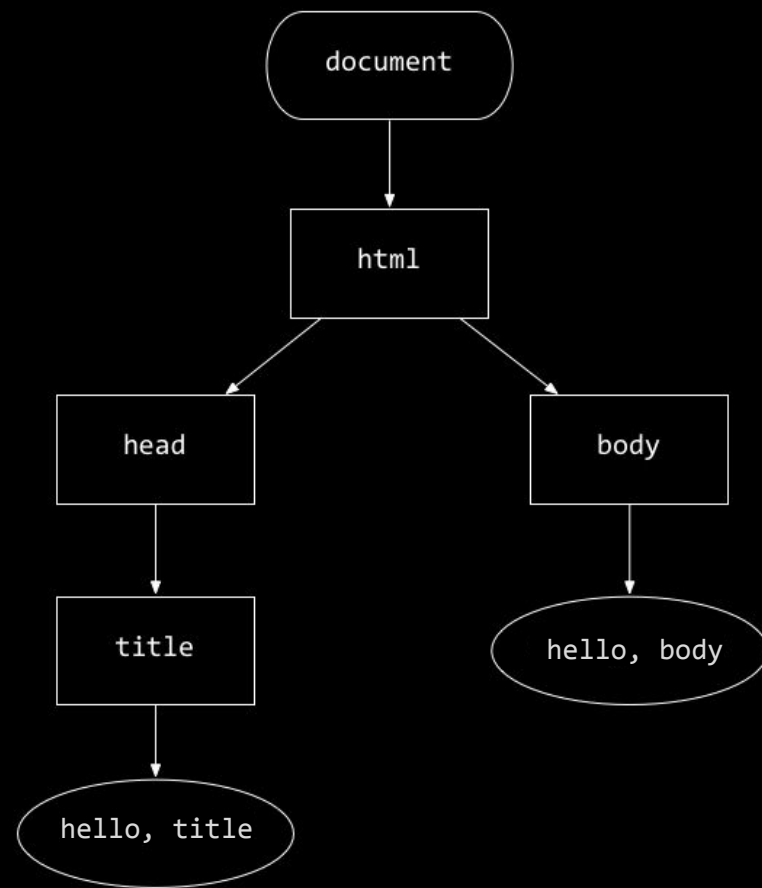
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  </head>
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  <body>
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    hello, body
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  </body>
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</html>
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<!DOCTYPE html>
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<html lang="en">
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    <script>
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  </script>
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    <title>
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<!DOCTYPE html>
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<html lang="en">
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  <head>
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    <script src="scripts.js"></script>
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    <title>
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      hello, title
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    </title>
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    <script src="scripts.js"></script>
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  </body>
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</html>
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- blur
- change
- click
- drag
- focus
- keypress
- load
- mousedown
- mouseover
- mouseup
- submit
- touchmove
- unload
- ...

TODO

1. Create an HTML sandbox at sandbox.cs50.io.
2. Open www.w3schools.com/html for reference.
3. If less comfortable, create any (working) web page in index.html with half a dozen or more HTML tags, to show to a TF.
4. If more comfortable, create any (working) web page in index.html (or another file) that does something functionally with JavaScript, to show to a TF.

Web Programming