

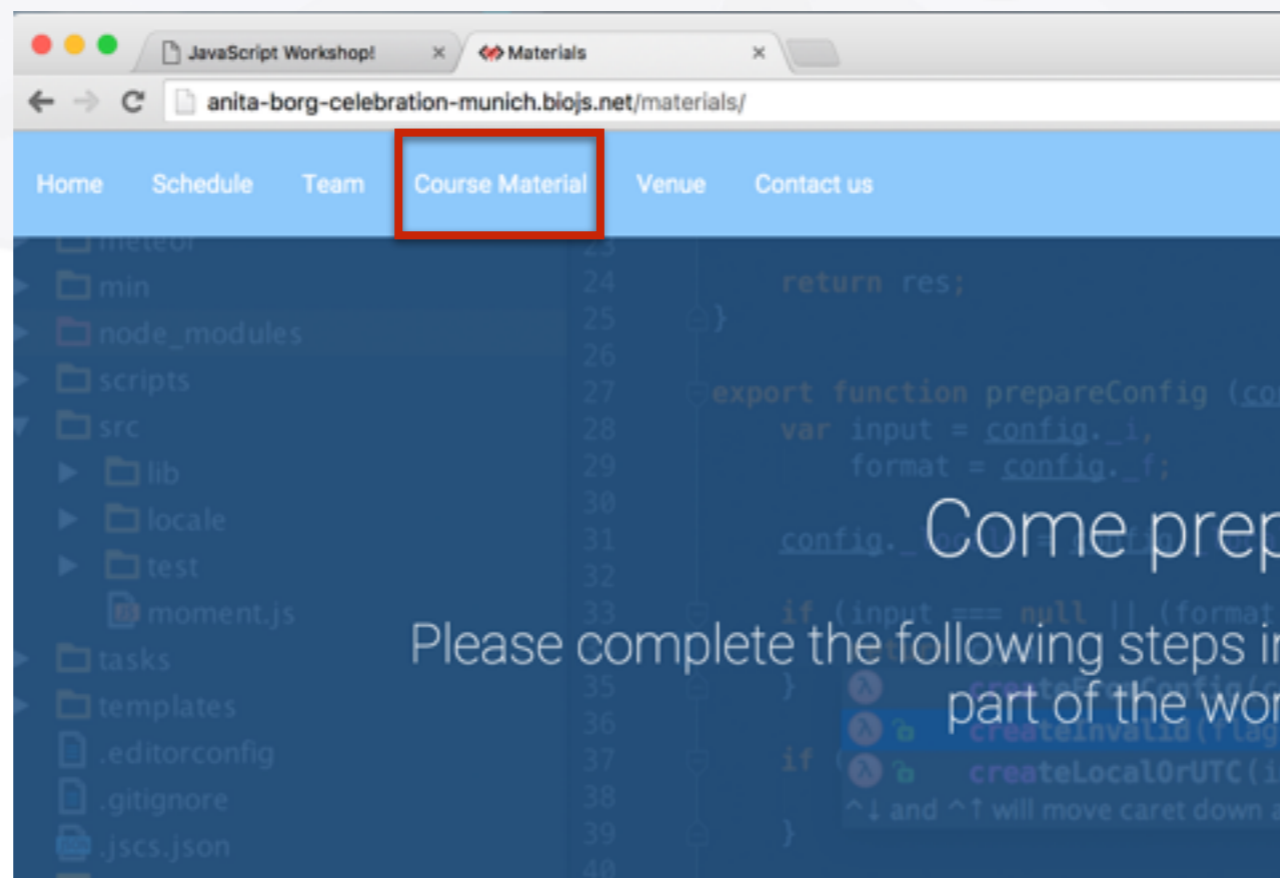
Introduction to HTML and CSS

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Anita-Borg-Celebration JS Workshop
TUM Munich
March 2016

Reminder

anita-borg-celebration-munich.biojs.net/materials



HTML

Hypertext Markup Language

```
<!DOCTYPE html>
<html>

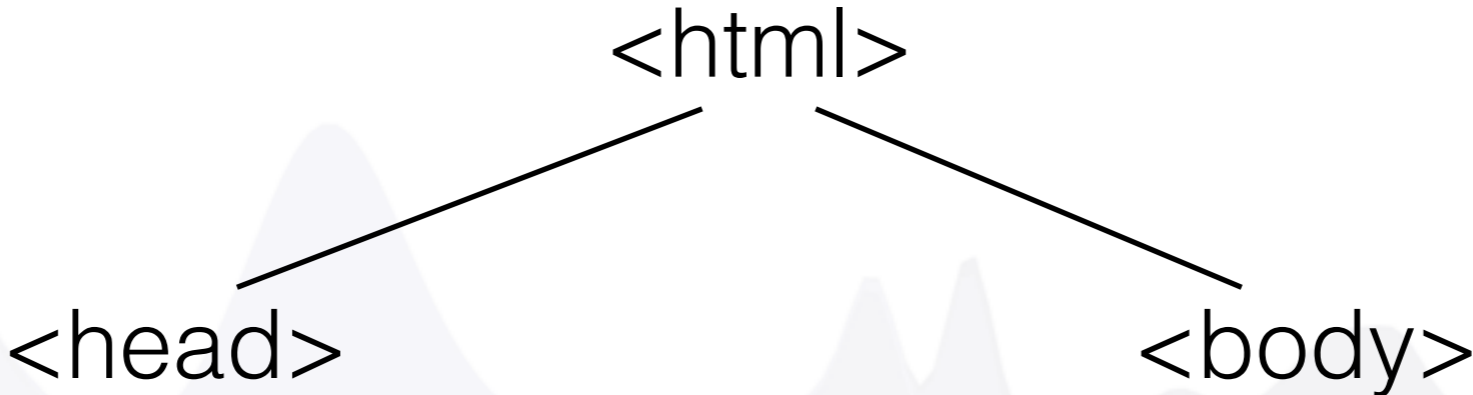
<!-- Head -->
<head>
  <title>Hello!</title>
  <link href="style.css" rel="stylesheet">
</head>

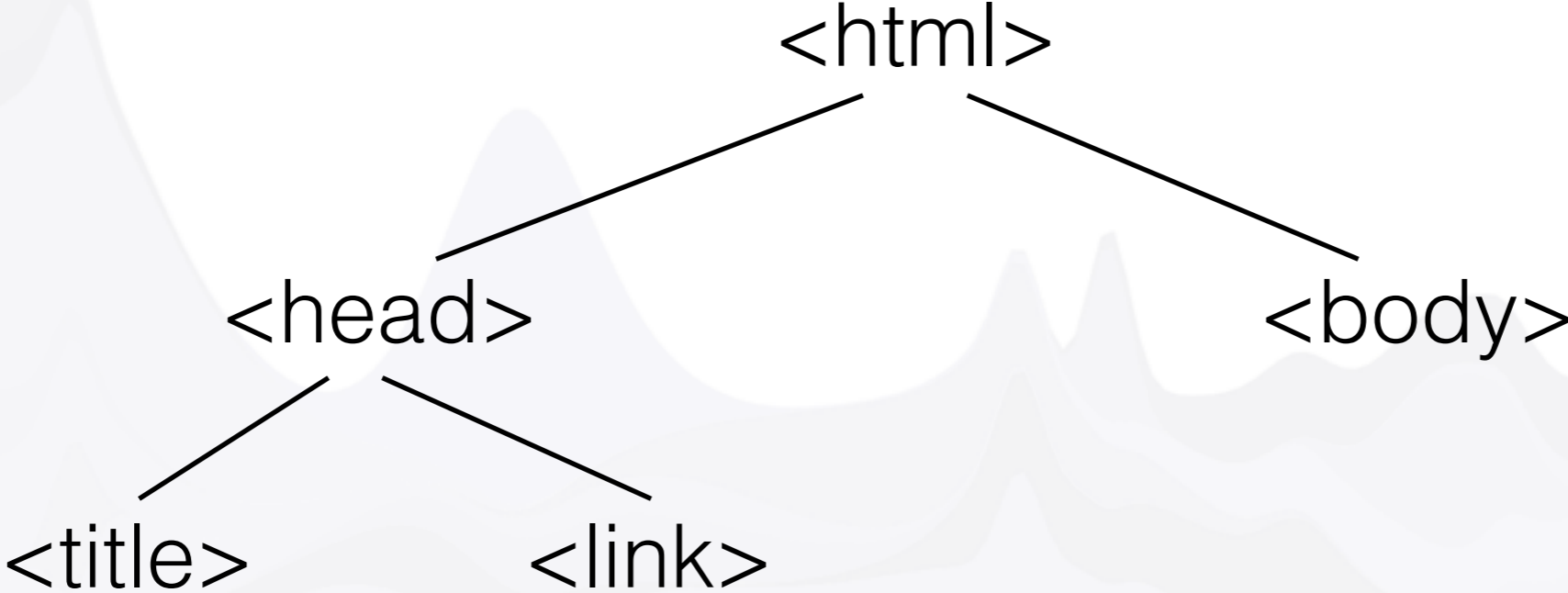
<!-- Body -->
<body>
  <div>
    <br>
    <canvas id="my-canvas"></canvas>
  </div>
</body>

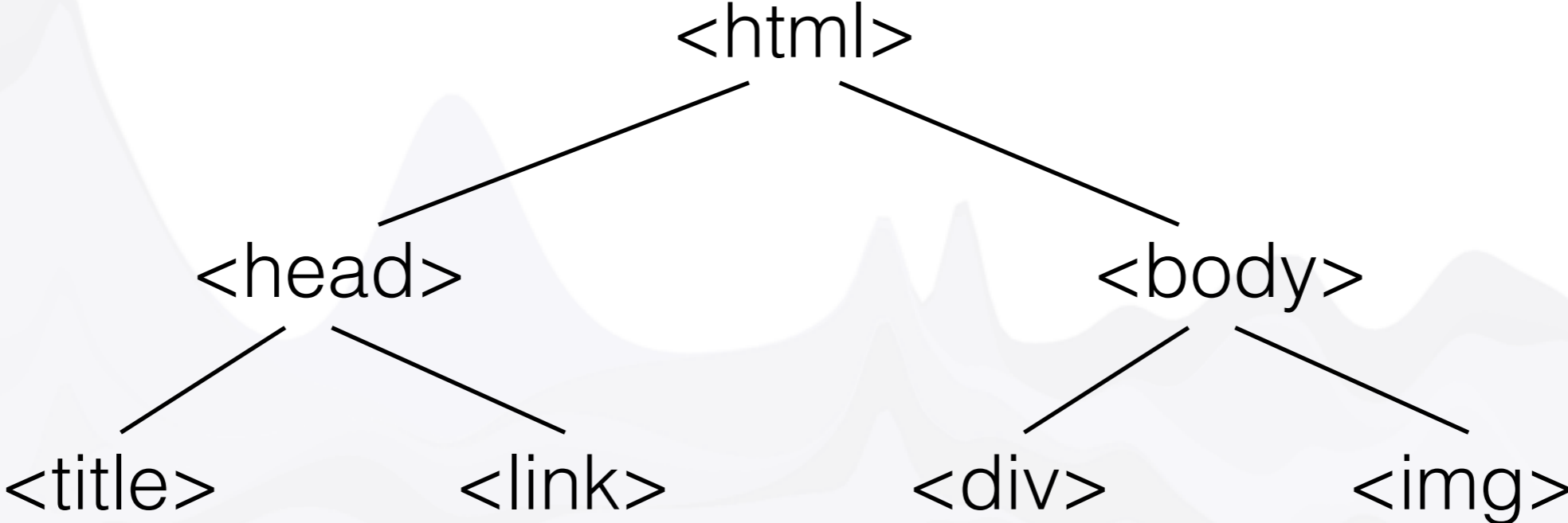
</html>
```

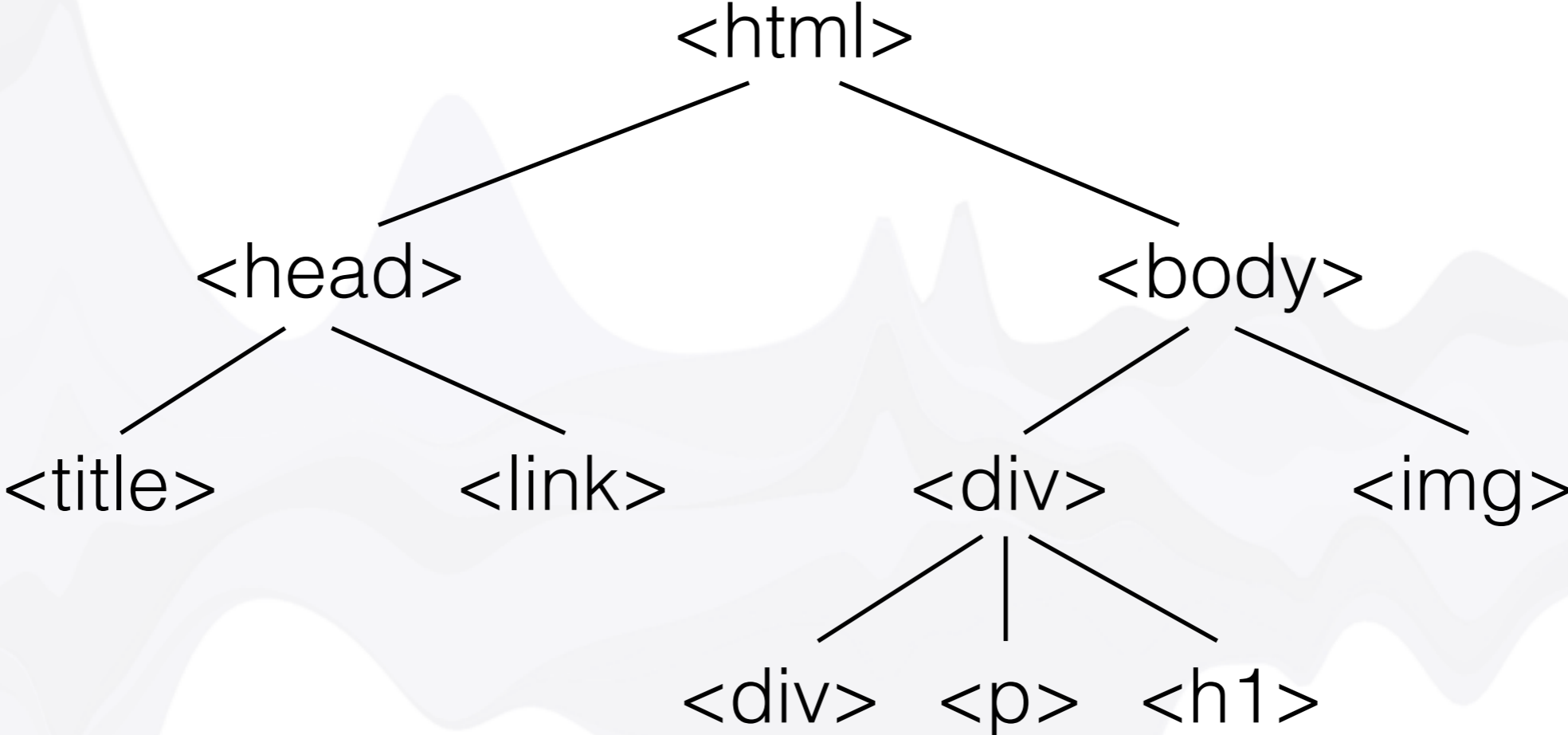
<html>

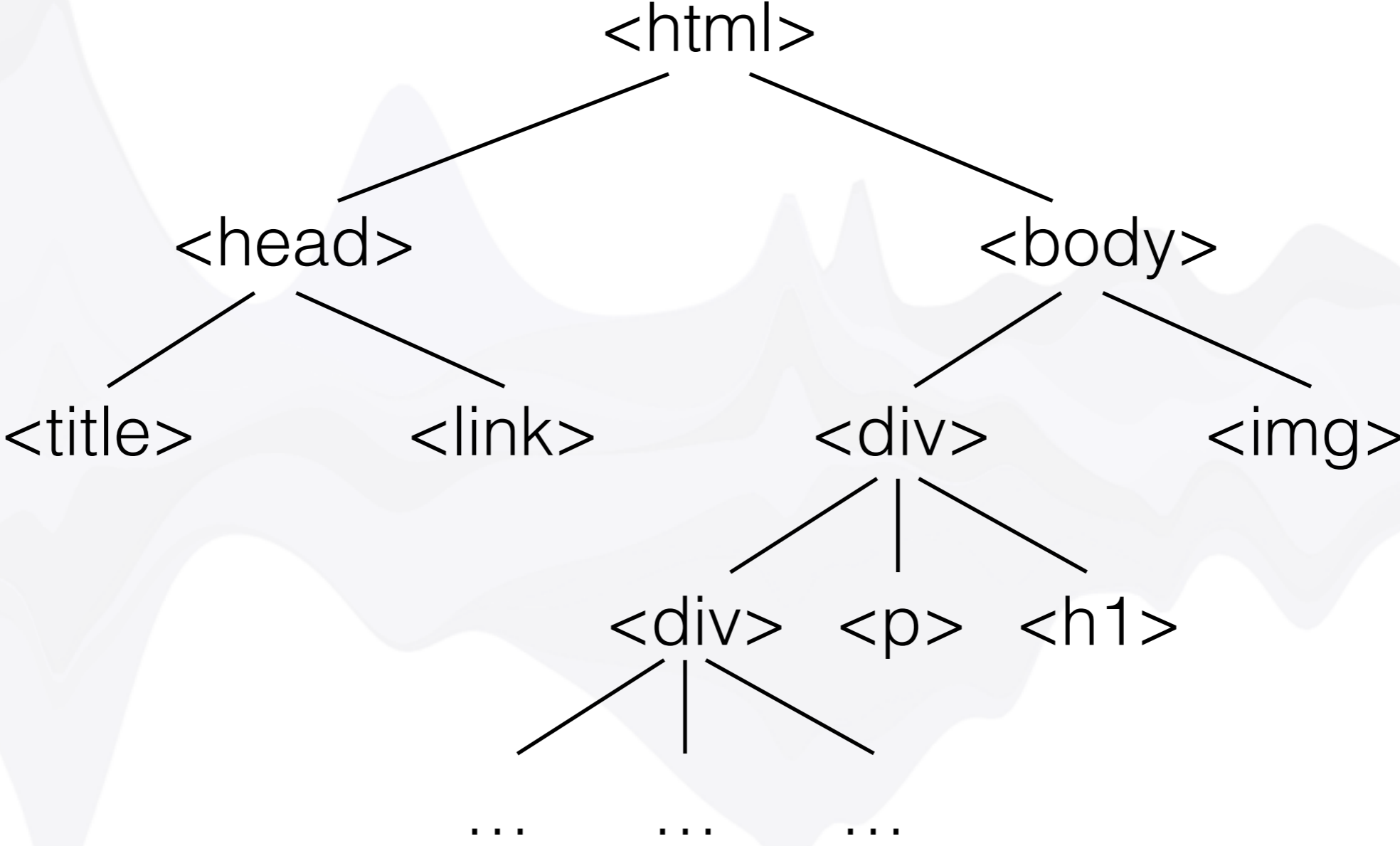


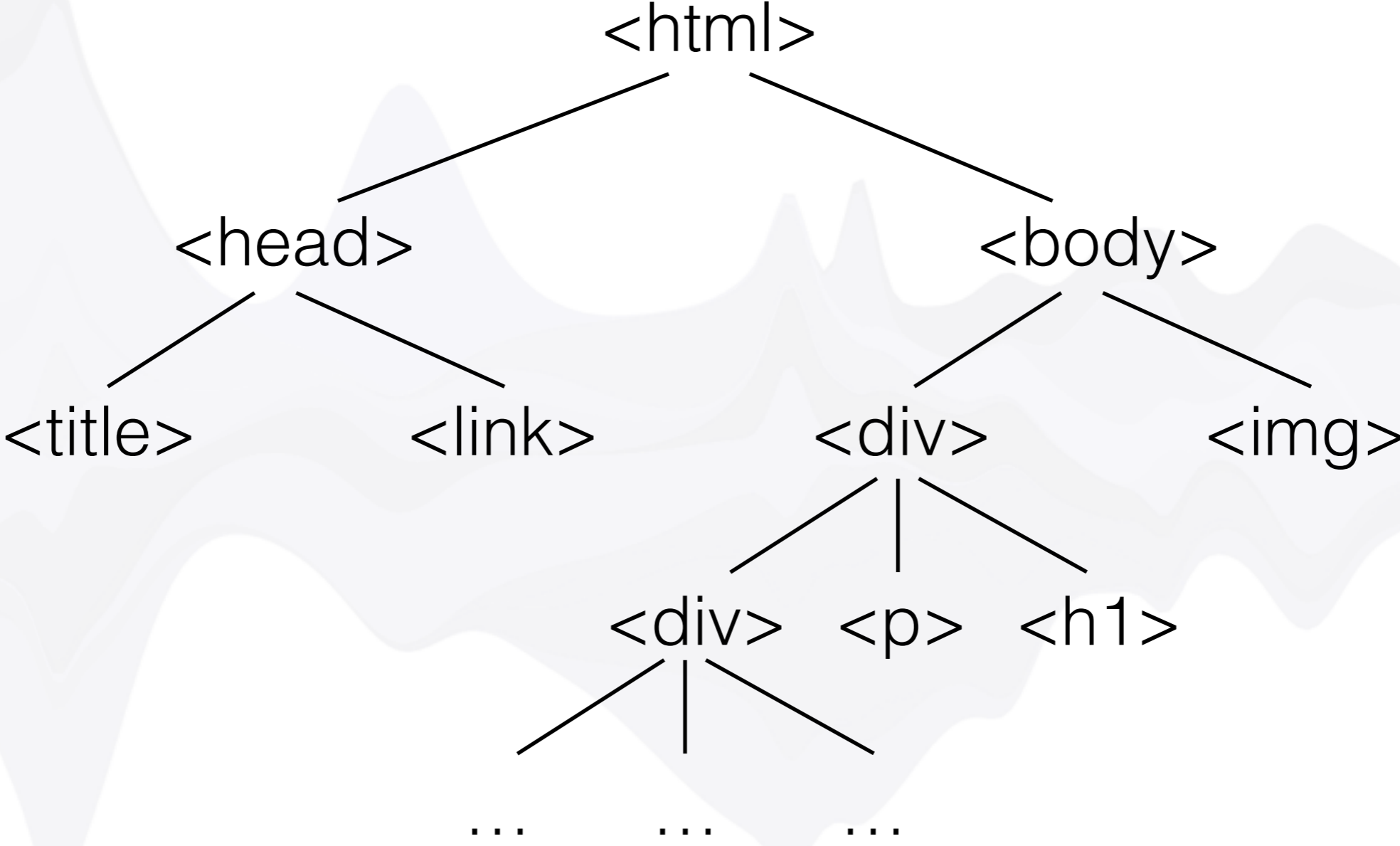


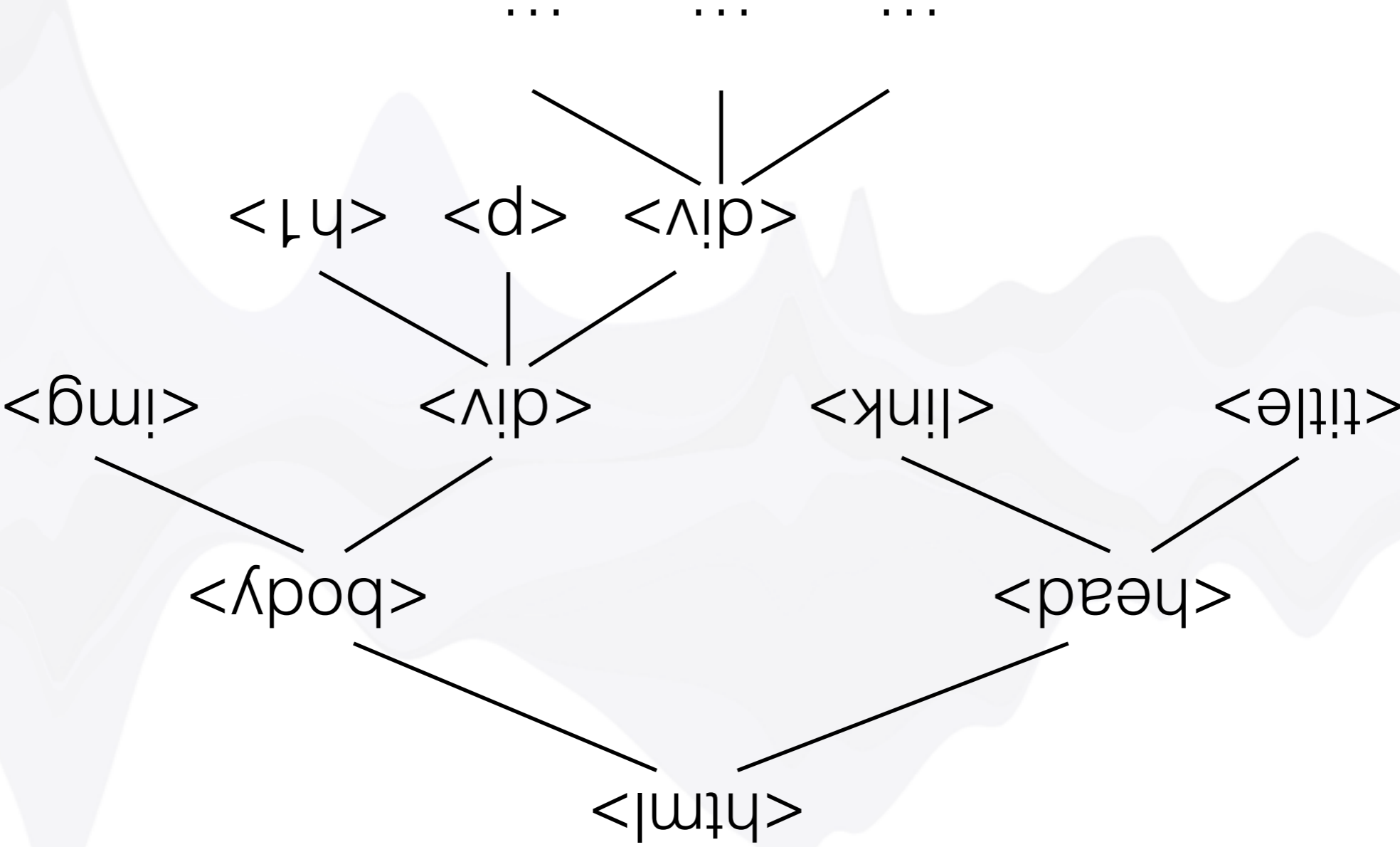




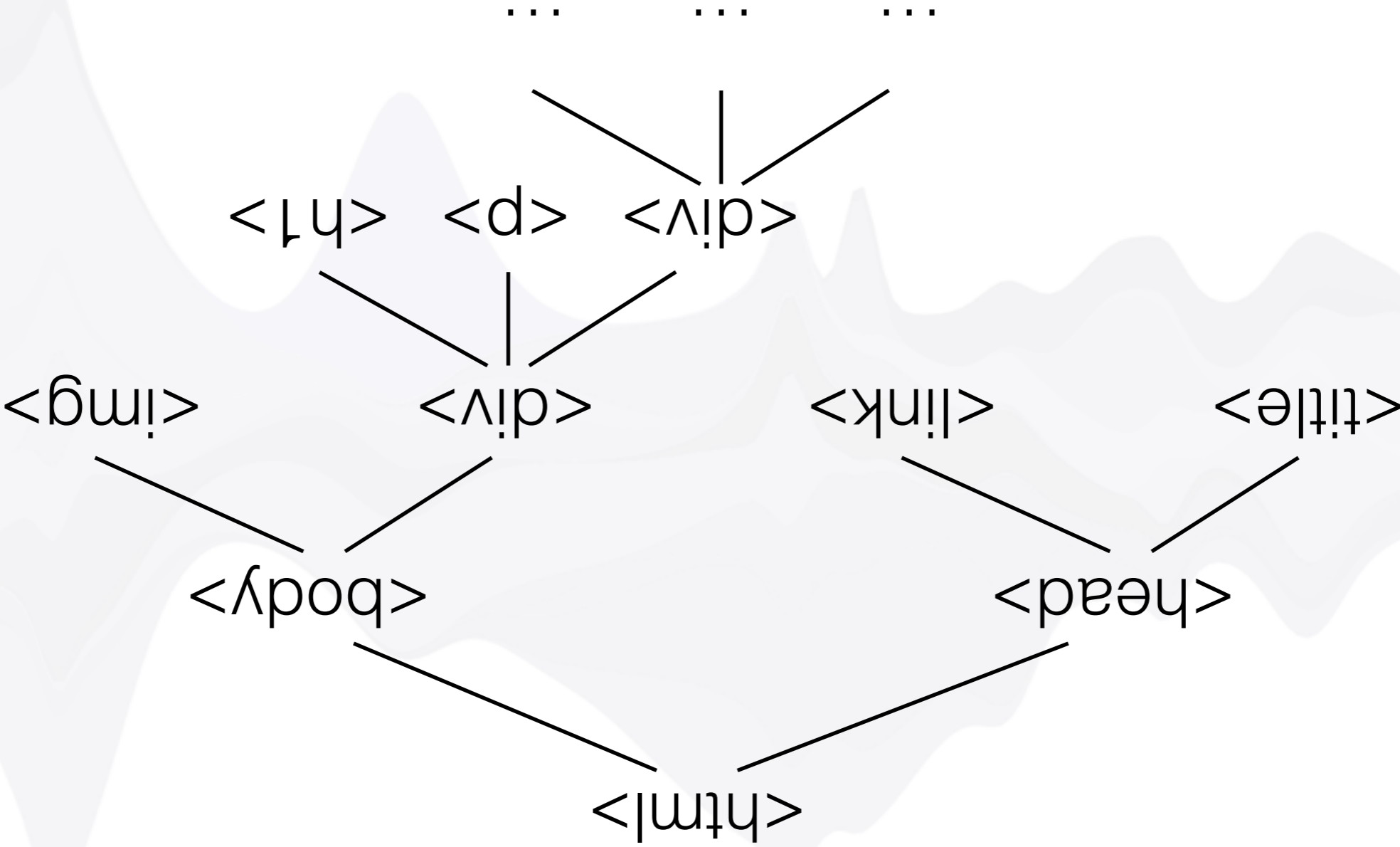








Document Object Model (DOM)



Let's code!

CSS

Cascading Style Sheets

CSS

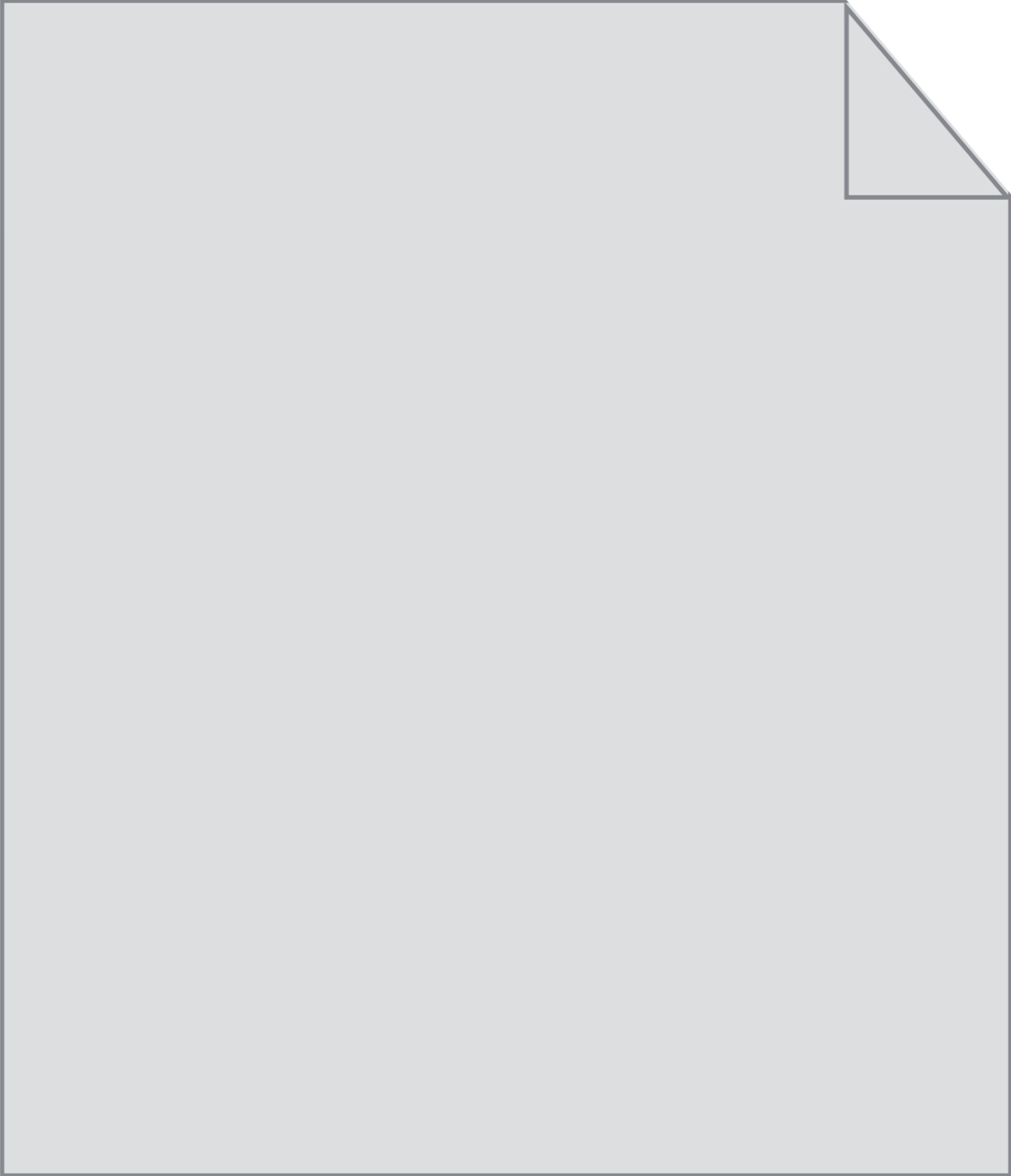
Cascading Style Sheets

Making it look pretty!

Demo



CSS Files



CSS Files

```
body {  
  background-color: #d0e4fe;  
}  
  
h1 {  
  color: orange;  
  text-align: center;  
}  
  
img {  
  margin: auto;  
  width: 50%;  
  border: 3px solid #73AD21;  
  padding: 30px;  
}
```

Selector Types

Element Selectors

```
p {  
  color: red;  
}
```

Id Selectors

```
#answer {  
  color: red;  
}
```

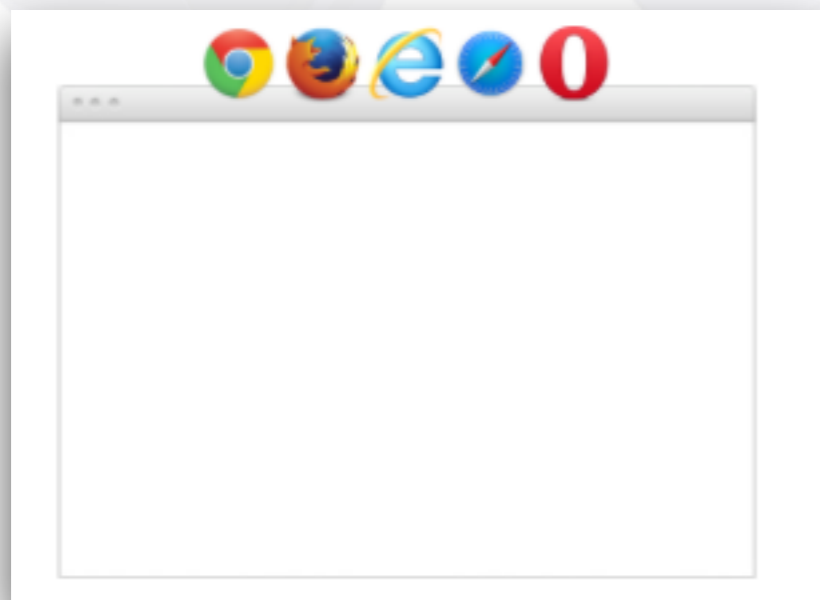
Class Selectors

```
.red-text {  
  color: red;  
}
```

Element Selectors

HTML

CSS



Element Selectors

HTML

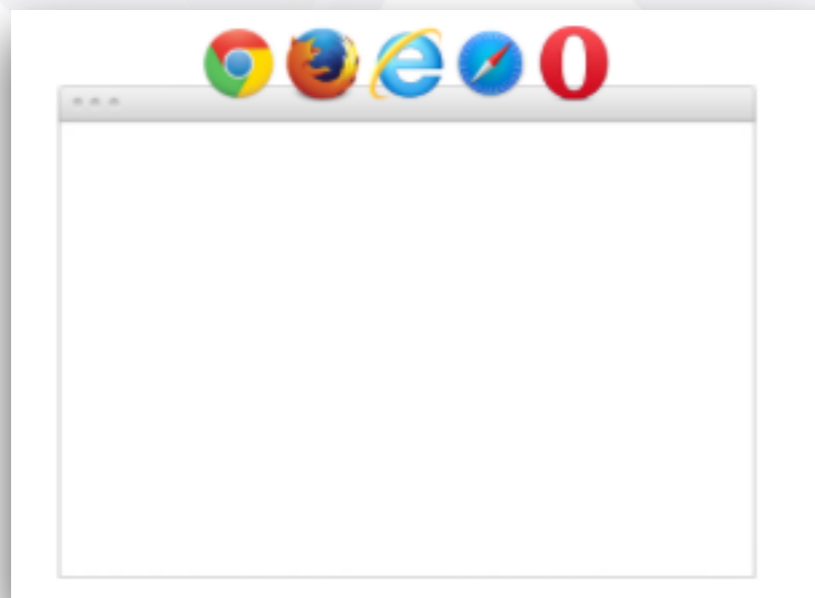
```
<p>What is the meaning of life and  
everything?</p>
```

...

...

```
<p>The answer is 42!</p>
```

CSS



Element Selectors

HTML

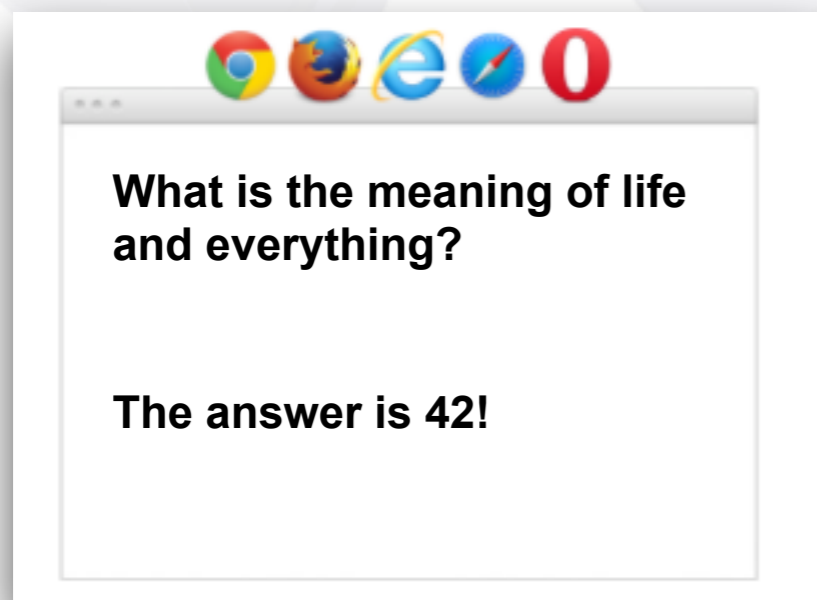
```
<p>What is the meaning of life and  
everything?</p>
```

...

...

```
<p>The answer is 42!</p>
```

CSS



Element Selectors

HTML

```
<p>What is the meaning of life and  
everything?</p>
```

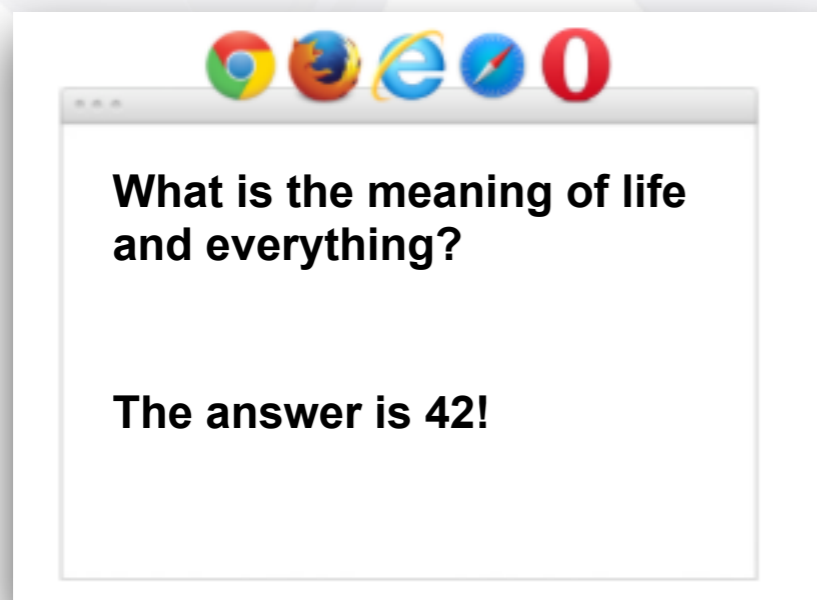
...

...

```
<p>The answer is 42!</p>
```

CSS

```
p {  
  color: red;  
}
```



Element Selectors

HTML

```
<p>What is the meaning of life and  
everything?</p>
```

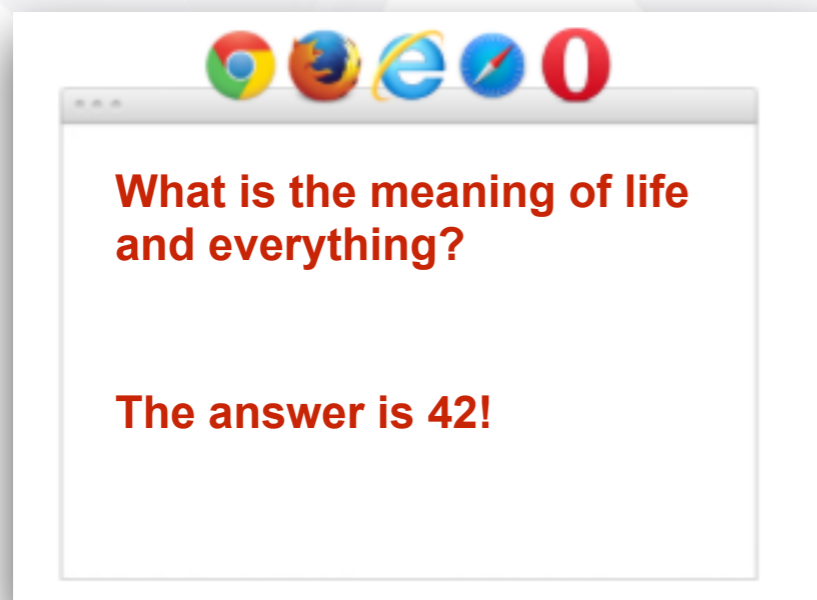
...

...

```
<p>The answer is 42!</p>
```

CSS

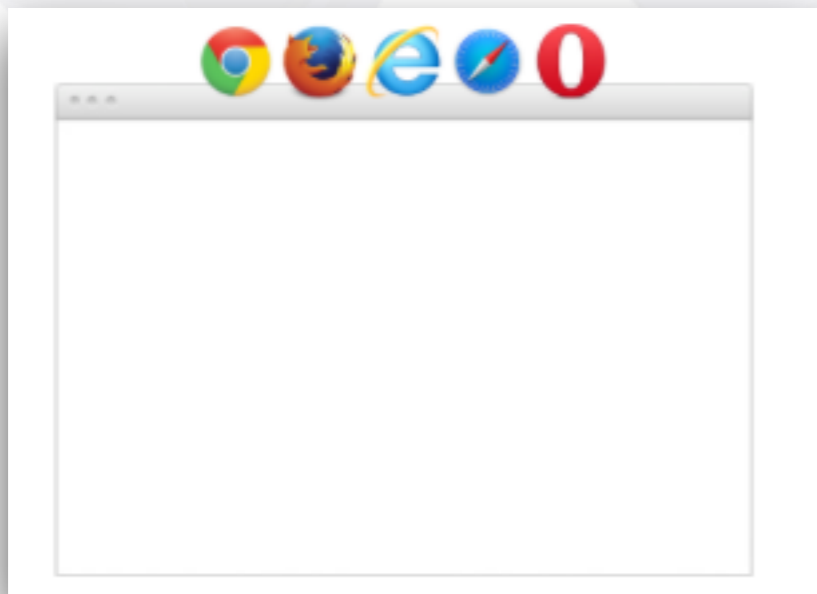
```
p {  
  color: red;  
}
```



Id Selectors

HTML

CSS



Id Selectors

HTML

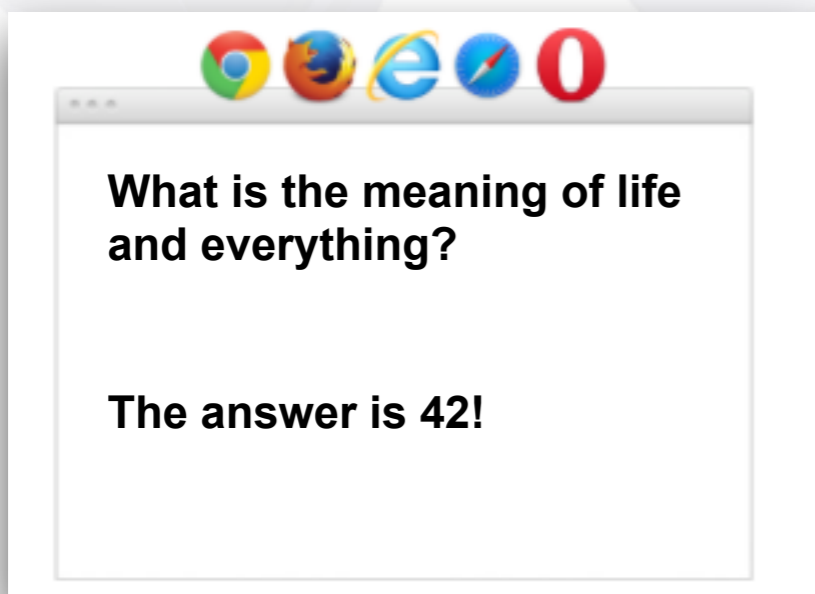
```
<p>What is the meaning of life and  
everything?</p>
```

...

...

```
<p id="answer">The answer is 42!</p>
```

CSS



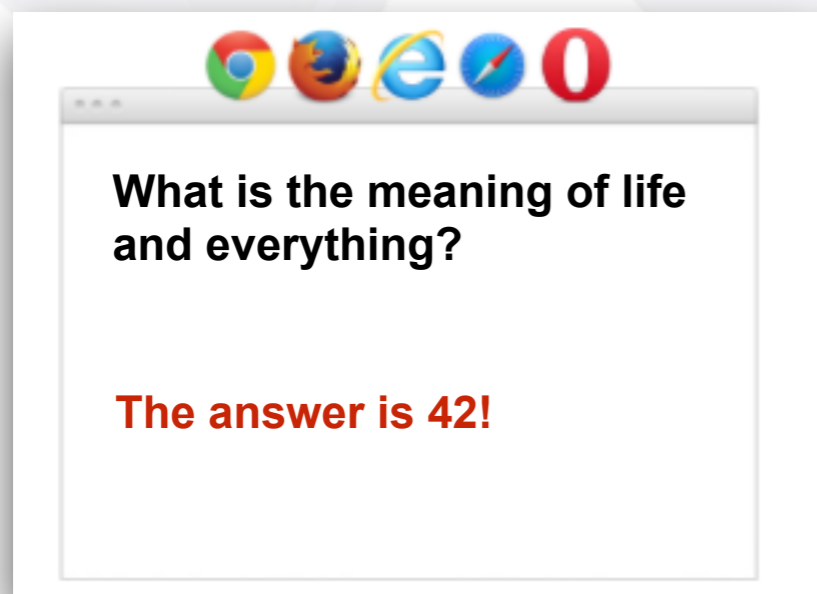
Id Selectors

HTML

```
<p>What is the meaning of life and  
everything?</p>  
...  
...  
<p id="answer">The answer is 42!</p>
```

CSS

```
#answer {  
  color: red;  
}
```



Id Selectors

HTML

```
<p>What is the meaning of life and  
everything?</p>
```

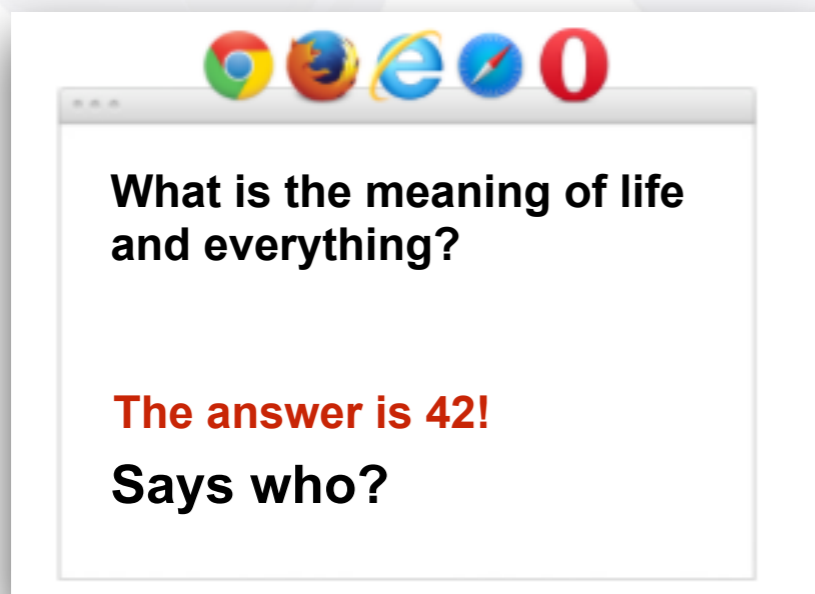
...

...

```
<p id="answer">The answer is 42!</p>  
<h4>Says who?</h4>
```

CSS

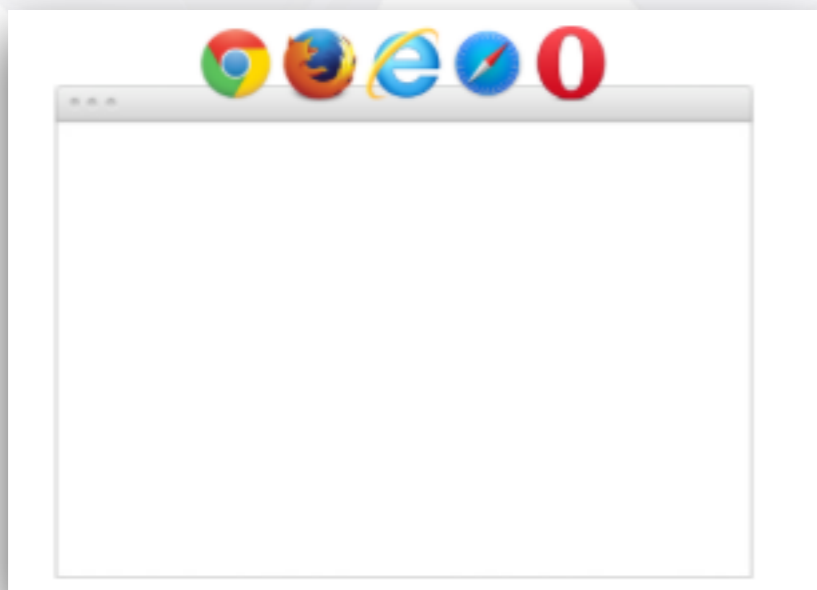
```
#answer {  
  color: red;  
}
```



Class Selectors

HTML

CSS



Class Selectors

HTML

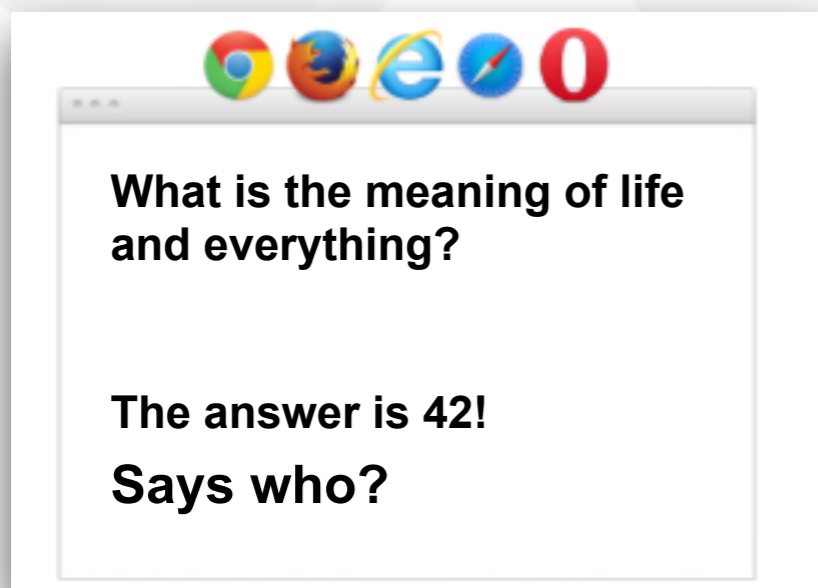
```
<p>What is the meaning of life and  
everything?</p>
```

...

...

```
<p class="red-text">The answer is 42!</p>  
<h4 class="red-text">Says who?</h4>
```

CSS



Class Selectors

HTML

```
<p>What is the meaning of life and  
everything?</p>
```

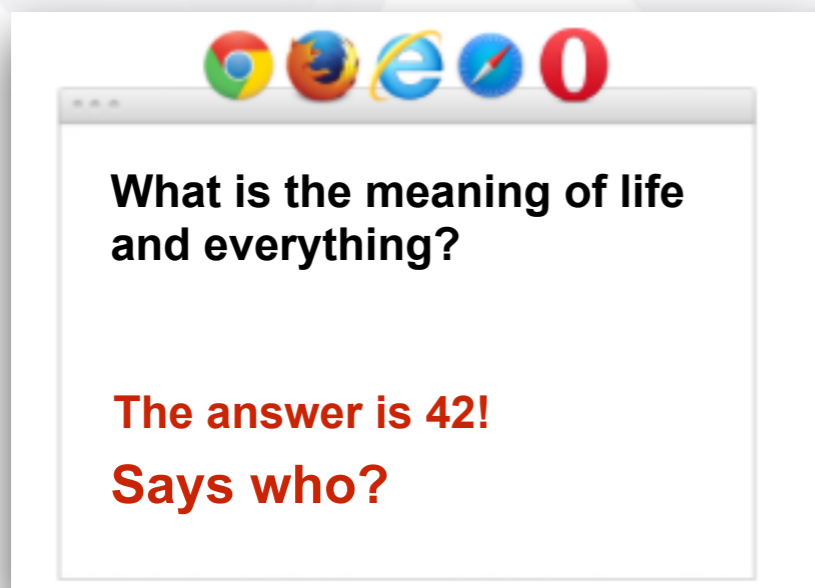
...

...

```
<p class="red-text">The answer is 42!</p>  
<h4 class="red-text">Says who?</h4>
```

CSS

```
.red-text {  
  color: red;  
}
```



Let's code!

Next up: JavaScript