Turn into Coders

Workshop
Landing Page in HTML & CSS
for everyone

Coding Language(s)

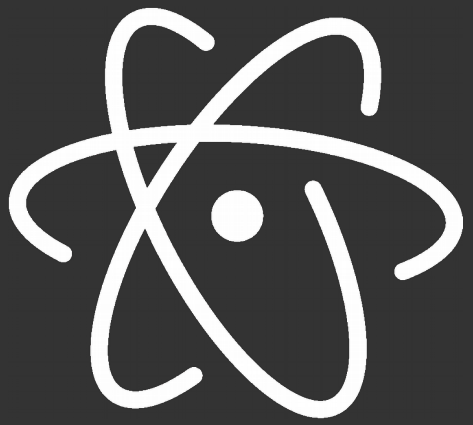
HTML

CSS

JS

Tools

ATOM.IO



Google Chrome

Structure

HTML

Content and its structure

Design

CSS

Design and **style** of your content

Animation and logic

JS

Animate your content and

Implement (complex) **logic**

Skeleton

```
<!DOCTYPE html>
<html>
   <!-- html code -->
</html>

<!-- end of file -->
```

Head and Body

```
<!DOCTYPE html>
<html>
   <head>
      <!-- information and metadata -->
   </head>
   <body>
      <!-- content to display -->
   </body>
</html>

<!-- end of file -->
```

Head fundamentals

```
<!DOCTYPE html>
<html>
   <head>
      <title>Turn into Coders</title>
      <meta charset=”utf-8”>
   </head>
   <body>
      <!-- content to display -->
   </body>
</html>

<!-- end of file -->
```

Head Google example

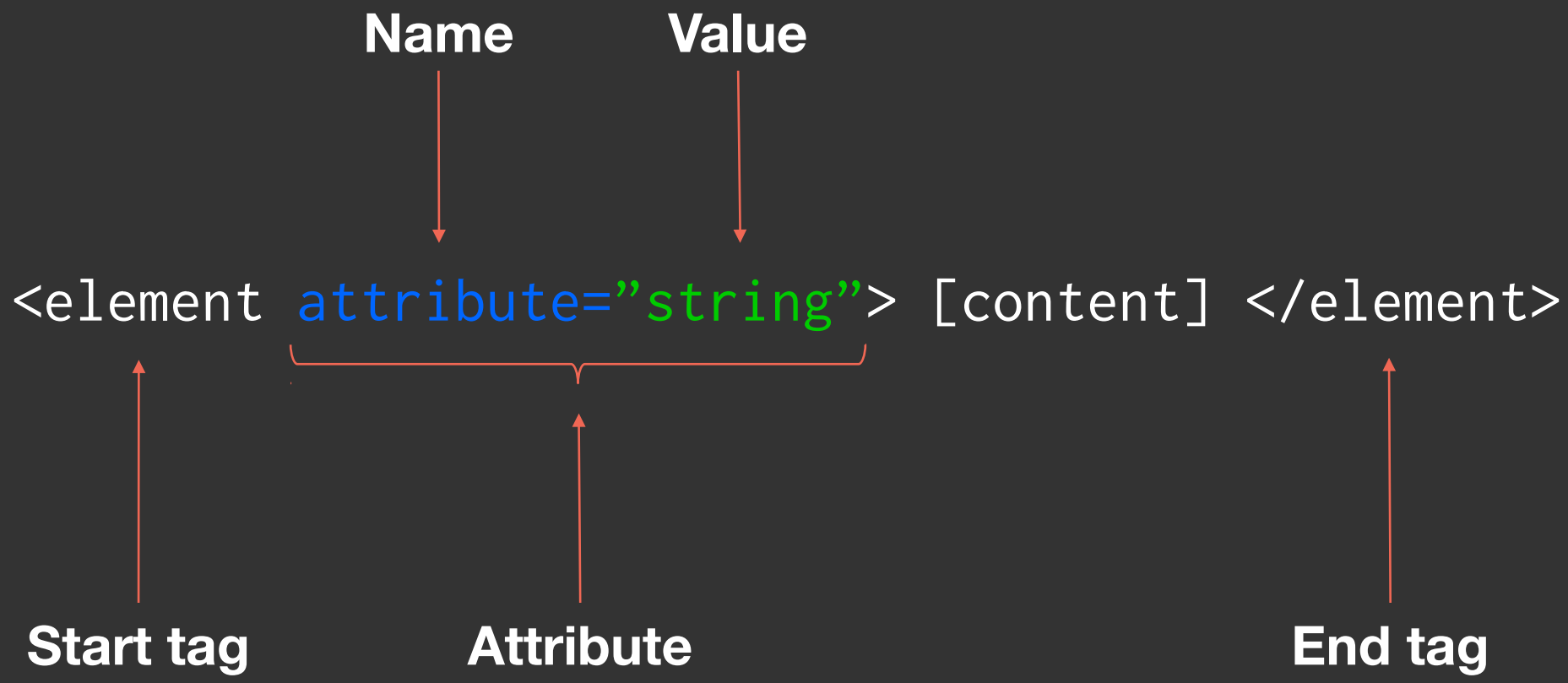
```
<!DOCTYPE html>
<html>
   <head>
      <title>Turn into Coders</title>
      <meta charset=”utf-8”>
      <meta name=”description” content=”Become a web dev...”>
   </head>
   ...
```

Turn into Coders

www.turnintocoders.it/en/ ▼

Become a web developer with **Turn into Coders**, an intensive training program that makes you a JavaScript ninja and helps you find your first job in the web ...

HTML syntax fundamental



HTML examples

```
<body>
    <div>
        <h1>Turn into Coders</h1>
    </div>
    <div>
        <img src=”./logo.png” alt=”Turn into Coders logo”>
    </div>
</body>
```

CSS syntax fundamental

```
selector {
   property: value;
   property: value;
   property: value;
   . . .
}
```

One or more elements can be selected to apply style rules

Application of CSS rules

There are three ways to apply style rules to HTML content:

- In-line
- <style> section (internal stylesheet)
- Separate .css file (external stylesheet)

Application of CSS rules

In-line:

`style` is an attribute of HTML elements

```
<h1 style="font-family: HelveticaNeue;
        font-size: 48px">Turn into Coders</h1>
```

Application of CSS rules

Internal stylesheet:
<style> can be a section of the HTML file

```
<!DOCTYPE html>
<html>
    <head>
        <style>
            body {
                background-color: #333333;
            }
            h1 {
                color: white;
                font-family: HelveticaNeue;
            }
        </style>
    </head>
```

Application of CSS rules

External stylesheet:
A .css file can be linked to the HTML file

index.html

```
<head>
    <link rel="stylesheet" href="./style.css">
</head>
<body>
    <h1>Turn into Coders</h1>
</body>
```

style.css

```
h1 {
    color: rgb(255, 255, 255);
    font-family: HelveticaNeue;
}
```

Colors

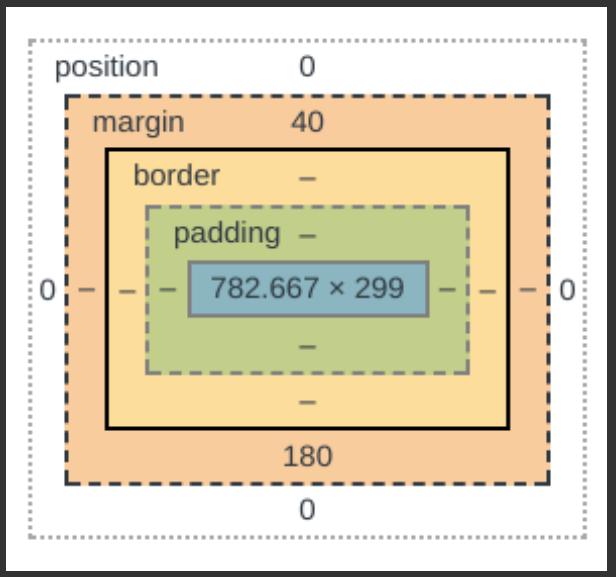
```
h2 {
   color: red;
   color: #FF0000;
   color: #F00;
   color: rgb(255, 0, 0);
   color: rgba(255, 0, 0, 1.0);
}
```

`background-color` **property applies to the background of the element**

Font properties

font-size
font-weight
font-family
font-style
color
text-align
text-decoration
text-transform
line-height
letter-spacing

Div and Box model



Everything on a web page is a box

(or it is inside a box)

```
* {
    border: 1px solid red !important;
}
```

id(s) and class(es)

```
<body>
    <div>
        <img src="./logo.png" alt="Turn into Coders logo">
    </div>
    <div>
        <ul>
            <li><img src="./turin.png" alt="Turin"></li>
            <li><img src="./milan.png" alt="Milan"></li>
            <li><img src="./florence.png" alt="Florence"></li>
            <li><img src="./rome.png" alt="Rome"></li>
        </ul>
    </div>
</body>
```

How to resize the logo only ?

id(s) and class(es)

How to resize the logo only ?

style.css

```
img {
    width: 100px;
    height: 100px;
}
```

id(s) and class(es)

How to resize the logo only ?

id(s) and class(es)

How to resize the logo only ?

```
<body>
    <div>
        <img id="logo" src="./logo.png" alt="Turn into Coders logo">
    </div>
    <div>
        <ul>
            <li><img src="./turin.png" alt="Turin"></li>
            <li><img src="./milan.png" alt="Milan"></li>
            <li><img src="./florence.png" alt="Florence"></li>
            <li><img src="./rome.png" alt="Rome"></li>
        </ul>
    </div>
</body>
```

id(s) and class(es)

How to resize the logo only ?

style.css

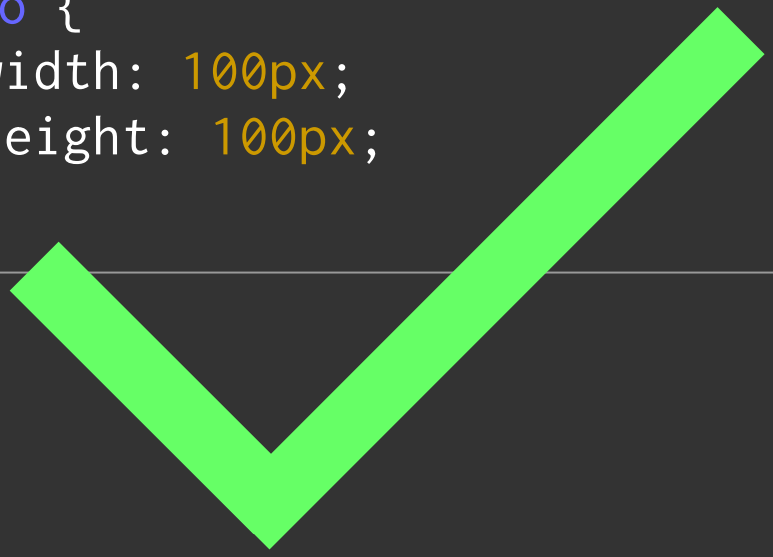
```
#logo {
    width: 100px;
    height: 100px;
}
```

id(s) and class(es)

How to resize the logo only ?

style.css

```
#logo {
    width: 100px;
    height: 100px;
}
```



id(s) and class(es)

```
<body>
    <div>
        <img src="./logo.png" alt="Turn into Coders logo">
    </div>
    <div>
        <ul>
            <li><img src="./turin.png" alt="Turin"></li>
            <li><img src="./milan.png" alt="Milan"></li>
            <li><img src="./florence.png" alt="Florence"></li>
            <li><img src="./rome.png" alt="Rome"></li>
        </ul>
    </div>
</body>
```

How to resize all and only the cities ?

id(s) and class(es)

How to resize all and only the cities ?

```
<body>
    <div>
        <img id="logo" src="./logo.png" alt="Turn into Coders logo">
    </div>
    <div>
        <ul>
            <li><img class="city" src="./turin.png" alt="Turin"></li>
            <li><img class="city" src="./milan.png" alt="Milan"></li>
            <li><img class="city" src="./florence.png" alt="Florence"></li>
            <li><img class="city" src="./rome.png" alt="Rome"></li>
        </ul>
    </div>
</body>
```

id(s) and class(es)

How to resize all and only cities ?

style.css

```
#logo {
    width: 100px;
    height: 100px;
}

.city {
    width: 200px;
    height: 200px;
}
```

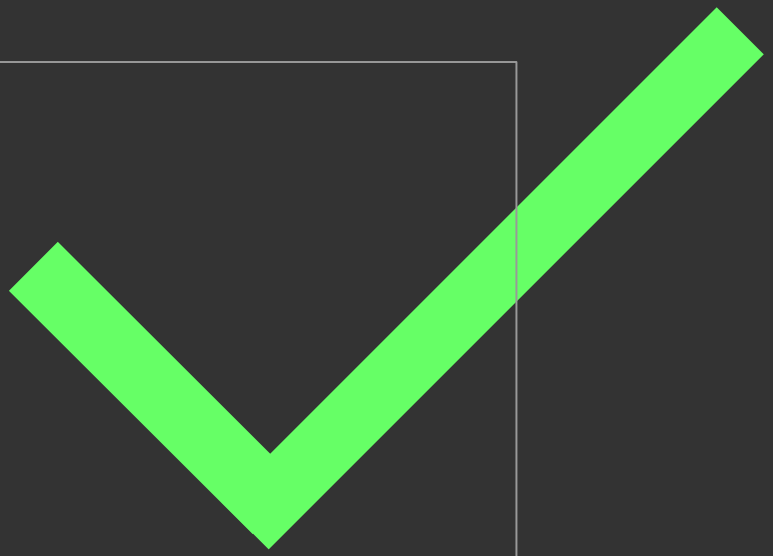
id(s) and class(es)

How to resize all and only cities ?

style.css

```
#logo {
    width: 100px;
    height: 100px;
}

.city {
    width: 200px;
    height: 200px;
}
```



id(s) or class(es) ?

unique element

```
<body>
    <div>
        <img id="logo" src="./logo.png" alt="Turn into Coders logo">
    </div>
    <div>
        <ul>
            <li><img class="city" src="./turin.png" alt="Turin"></li>
            <li><img class="city" src="./milan.png" alt="Milan"></li>
            <li><img class="city" src="./florence.png" alt="Florence"></li>
            <li><img class="city" src="./rome.png" alt="Rome"></li>
        </ul>
    </div>
</body>
```

Recurrent elements

Combine id(s) and class(es)

```
. . .
<li><img class="city shadow" id="hq" src="./turin.png" alt="Turin"></li>
<li><img class="city shadow" src="./milan.png" alt="Milan"></li>
<li><img class="city shadow" src="./florence.png" alt="Florence"></li>
<li><img class="city shadow" src="./rome.png" alt="Rome"></li>
. . .
```

style.css

```
#hq {
    border: 2px solid red;
}
.city {
    width: 200px;
    height: 200px;
}
.shadow {
    Box-shadow: 3px 3px 1px black;
}
```