

Semantic & Meta Elements

Web Technologies



Lecture by
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```
<!doctype html>
<html>
  <head>
    <title>
      Web Technologies
    </title>
    <style>
      p {
        color: ■blue;
      }
    </style>
    <script>
      console.log("client-side");
    </script>
  </head>
  <body>
    <p>
      Welcome!
    </p>
  </body>
</html>
```


What we will cover

- Semantic elements
- Structural elements
- Meta element
- Character entity code

HTML5 Semantic Elements

- `<header>`
- `<main>`
- `<section>`
- `<article>`
- `<nav>`
- `<aside>`
- `<footer>`

<header>, <main>, <footer> Elements

```
<!doctype html>
<html>
  <head>
  </head>
  <body>
    <header>
    </header>
    <main>
    </main>
    <footer>
    </footer>
  </body>
</html>
```

Structural Elements

```
<body>
  <header>
    <h1>The third page title</h1>
  </header>
  <main>
    <p>
      Suspendisse commodo mauris eu lobortis ornare.
      Fusce varius, massa efficitur scelerisque fringilla,
      sem risus placerat lacus, at imperdiet quam dui nec elit.
      Sed non aliquet elit.
    </p>
  </main>
  <footer>
    <p>Links to the privacy statments and Terms & Conditions</p>
  </footer>
</body>
```

<section>, <article>, <aside> Elements

- **<section>**
- **<article>**
- **<aside>**

<figure> Element

```
<main>
  <h1>Computer Science</h1>
  <figure>
    
    <figcaption>The department of Computer Science</figcaption>
  </figure>
  <p>Suspendisse commodo mauris eu lobortis ornare.
    Fusce varius, massa efficitur scelerisque fringilla,
    sem risus placerat lacus, at imperdiet quam dui nec elit.
    Sed non aliquet elit</p>
</main>
```


The Webpage with the <figure> Element in a Browser

Computer Science



The department of Computer Science

<meta> element

Attributes:

- **charset**
- **name**
- **content**

```
<head>
  <title>San Joaquin Valley Town Hall speakers</title>
  <meta charset="utf-8">
  <meta name="description" content="A yearly lecture series with speakers
that present new information on a wide range of subjects">
  <meta name="keywords" content="san joaquin, town hall, speakers, lectures">
</head>
```

Character Entities

Entity	Character
<code>&amp;</code>	<code>&</code>
<code>&lt;</code>	<code><</code>
<code>&gt;</code>	<code>></code>
<code>&copy;</code>	<code>©</code>
<code>&reg;</code>	<code>®</code>
<code>&trade;</code>	<code>™</code>

`<p>` `©` 2023 City `&` Associates, Inc. `</p>`

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Try It Yourself

In this activity you will practice how to use the structural elements. So:

1. Open a new HTML file and save it as `thirdpage.html`
2. After you have inserted the `<html>`, `<head>`, and `<body>` elements. Add `<header>`, `<main>` and `<footer>` elements.
3. Add a heading to the `<header>` element.
4. Add a `<figure>`, `<p>` and `<h1>` elements to the `<main>` elements. The contents of these elements can be anything you choose.
5. Add a `<p>` element for the `<footer>` element. The text content can be anything you choose e.g. contact details.