Html5
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Iframes

▶ An inline frame is used to embed another document within the current HTML document

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8" />
        <title> Html5 Section </title>
    </head>
    <body>
        <iframe src="about.html" frameborder="1" width="300"
            height="300" name="iframe"></iframe>
        <p><a href="contact.html" target="iframe">Contact Page</a></p>
    </body>
</html>
```

HTML5 Introduction

- What is New in HTML5?
- The DOCTYPE declaration for HTML5 is very simple:
- `<!DOCTYPE html>`
- The character encoding (charset) declaration is also very simple:
- `<meta charset="UTF-8">`

What are Semantic Elements?

- A semantic element clearly describes its meaning to both the browser and the developer.

- Examples of non-semantic elements: <div> and <span> - Tells nothing about its content.

- Examples of semantic elements: <form>, <table>, and <article> - Clearly defines its content.
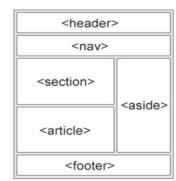
New Semantic elements

New Semantic Elements in HTML5

Many web sites contain HTML code like: <div id="nav"> <div class="header"> <div id="footer"> to indicate navigation, header, and footer.

HTML5 offers new semantic elements to define different parts of a web page:

- <article>
- <aside>
- <details>
- <figcaption>
- <figure>
- <footer>
- <header>
- <main>
- <mark>
- <nav>
- <section>
- <summary>
- <time>

<header>
<nav>

<section>	<aside>
<article>	

<footer>

New Semantic elements

Tag	Description
<article>	Defines an article
<aside>	Defines content aside from the page content
<details>	Defines additional details that the user can view or hide
<figcaption>	Defines a caption for a <figure> element
<figure>	Specifies self-contained content, like illustrations, diagrams, photos, code listings, etc.
<footer>	Defines a footer for a document or section
<header>	Specifies a header for a document or section
<main>	Specifies the main content of a document
<mark>	Defines marked/highlighted text
<nav>	Defines navigation links
<section>	Defines a section in a document
<summary>	Defines a visible heading for a <details> element
<time>	Defines a date/time

Example

```html
<body>
    <header>
        <h1> Hello World </h1>
    </header>
    <nav>
        <ul>
            <li><a href="#">Home</a></li>
            <li><a href="#">About</a></li>
            <li><a href="#">Contact</a></li>
        </ul>
    </nav>
    <section>
        <article>
            <h2> Some Text </h2>
            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Reiciendis, eum.</p>
        </article>
    </section>
    <footer>
        copyright &copy; 2020
    </footer>
</body>
```

HTML5 Video And Audio

▶ The HTML <video> element is used to show a video on a web page.

▶ The HTML <audio> element is used to play an audio file on a web page.

```html
<head>
    <meta charset="utf-8" />
    <title> Html5 Section </title>
</head>
<body>
    <video width="300" height="300" controls autoplay>
        <source src="movie.mp4" type="video/mp4">
    </video>
    <audio controls>
        <source src="audio.mp3" type="audio/mp3">
    </audio>
</body>
```

Figure , Figcaption , progress
Details And Summary

```html
<body>
    <figure>
        <img src="image.webp" alt="" width="300" height="300">
        <figcaption>This is Laptop Image</figcaption>
    </figure>
    <details>
        <summary> Html5 Course </summary>
        <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit.
         At quis nobis consequatur rerum accusantium.
         Dicta atque earum delectus incidunt modi.</p>
    </details>
    <progress value="5" max="10"></progress>
</body>
```

Thank You ☺