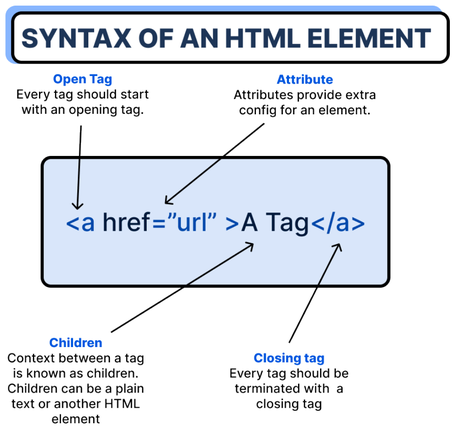
devtown

HTML CHEAT SHEET

SYNTAX OF AN HTML ELEMENT



BASIC HTML DOCUMENT

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Title</title>
  </head>
  <body>
    <!-- content here -->
  </body>
</html>
```

THE HEAD TAG

```
<head>
  <title>Title</title>
  <link href="style.css" rel="stylesheet" type="text/css" />
  <style type="text/css">
    /* You internal styles */
  </style>

  <meta charset="UTF-8">
  <meta name="description" content="a simple head">
</head>
```

Heading

```
<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>
```

List

Ordered list

```
<ol>
    <li>List 1</li>
    <li>List 2</li>
    <li>List 3</li>
</ol>
```

You can pass start="30" attribute to start your list from a custom number such as 30 instead of 1

Un-Ordered list

```
<ul>
    <li>List 1</li>
    <li>List 2</li>
    <li>List 3</li>
</ul>
```

You can use list-style-type css property to change the default bullet point style.

Paragraph

```
<p>Hey, There. This is a Paragraph 1</p>
<p>Hey, There. This is a Paragraph 2</p>
```

Basic Text Formatting

strong/bold

```
<strong>This is strong text.</strong>
```

Italic

```
<em>This is strong text.</em
```

Subscript (2_2)

```
2<sub>2</sub>
```

Superscript (2^2)

```
2<sup>2</sup>
```

mark

```
<mark>important</mark>
```

→ important

Anchor

same document

```
<a href="#id"> Click Here </a>
```

different document

```
<a href="second.html"> Click Here </a>
```

different website

```
<a href="https://devtown.in"> Click Here </a>
```

You can use **target="_blank"** attribute to open a new tab when the link is clicked.

Block Elements

`<div>` `<aside>` `<h1> - <h6>`
`<header>` `<p>` `<ol>` `<ul>`
`<selection>` `<table>` `<main>`

Block Elements

`<img>` `<input>` `<button>`
`<strong>` `<em>` `<a>` `<br>`
`<label>` `<small>` `<span>`

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MEDIA

Image

```
<img src="image_path" alt="an image">
```

Picture - Image tag alternative

```
<picture>
  <source media="(min-width:650px)" srcset="your_image.jpg">
  <source media="(min-width:465px)" srcset="your_image.jpg">
  <img src="your_image.jpg" alt="an image">
</picture>
```

Video

```
<video width="320" height="240" controls>
  <source src="lesson.mp4" type="video/mp4">
  <source src="lesson.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>
```

Audio

```
<audio controls>
  <source src="podcast.ogg" type="audio/ogg">
  <source src="podcast.mp3" type="audio/mpeg">
  Your browser does not support the audio tag.
</audio>
```

TABLES

Basic Table

```
<table>
  <tr>
    <th>heading 1</th>
    <th>heading 2</th>
  </tr>
  <tr>
    <td>line 1, column 1</td>
    <td>line 1, column 2</td>
  </tr>
  <tr>
    <td>line 2, column 1</td>
    <td>line 2, column 2</td>
  </tr>
</table>
```

Rowspan & Colspan

```
<table>
  <tr>
    <th>Month</th>
    <th>Savings</th>
    <th>year</th>
  </tr>
  <tr>
    <td>January</td>
    <td>₹100</td>
    <td rowspan="2">2021</td>
  </tr>
  <tr>
    <td>February</td>
    <td>₹80</td>
  </tr>
  <tr>
    <td colspan="3">Sum: ₹180</td>
  </tr>
</table>
```

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FORMS

input - text

```
<input type="text" name="fullname" />
```

input - password

```
<input type="password" name="password" />
```

input - email

```
<input type="email" name="email" />
```

input - radio

```
<input type="radio" name="gender" value="male" />
```

input - checkbox

```
<input type="checkbox" name="rain" value="true" />
```

select

```
<select name="color">
 <option>red</option>
 <option>green</option>
</select>
```

label

```
<label for="fullname">
   Full Name
</label>
```

textarea

```
<textarea
name="comments"
rows="10" cols="30"
placeholder="Write your comments here"
              ><textarea/>
```

HTML forms

```
<form action="submit_handler_script">
  <label for="fullname">Fullname:</label><br>
  <input type="text" id="fullname" name="fullname" ><br>
  <label for="password">Password:</label><br>
  <input type="password" id="password" name="password" ><br><br>
  <input type="submit" value="Submit">
</form>
```

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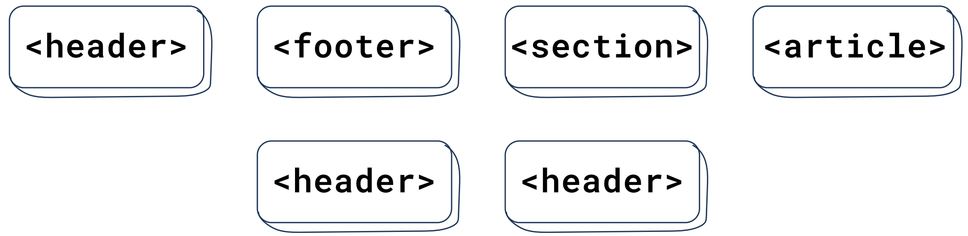
HTML5 Semantic Elements



No Semantic tags

```
<body>
    <div class="header">
        <div class="nav"></div>
    </div>
    <main>
        <div class="section">
            <div class="article">
                <!-- content -->
            </div>
            <div class="article">
                <!-- content -->
            </div>
        </div>
    </main>
    <div class="footer"></div>
</body>
```

Sematic tags

```
<body>
    <header>
        <nav></nav>
    </header>
    <main>
        <section>
            <article>
                <!-- content -->
            </article>
            <article>
                <!-- content -->
            </article>
        </section>
    </main>
    <footer></footer>
</body>
```

ACCESSIBILITY

- Build complex and cluttered layouts with divs.
- Wrapping block elements inside in-line block elements.
- No standard font size.
- Website not responsive in mobile device.
- User has to do lots of typing and scrolling.
- Very large size images, loading time is high.

- Build simple and understandable layouts with semantic tags.
- Always wrap a block\inline-block element inside a block element but you cannot wrap a block element inside an inline-block element.
- Plan and define a standard font size.
- Website should be accessible by any device of different width.
- Provide shortcuts and quick links.
- Optimized images, less loading time.