

HTML - HyperText Markup Language

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- Since 1991, now HTML 5.2
- Standard markup language for web pages
- description language (not procedural)

```
<tagname>  
  content  
</tagname>
```

HTML structure

```
<html>
```

```
<head>
```

```
<title>Page title</title>
```

```
</head>
```

```
<body>
```

```
<h1>This is a heading</h1>
```

```
<p>This is a paragraph.</p>
```

```
<p>This is another paragraph.</p>
```

```
</body>
```

```
</html>
```

Example

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h1>Heading</h1>
<p>A paragraph.</p>
<p>A
longer
paragraph.
</p>
</body>
</html>
```

Some elements

- `<h1></h1>..<h6></h6>`
headings
- `<p></p>` paragraph
- `
` line break (no end tag)
- `<a>` link (aka hyperlink)
- `` image (no end tag)
- `<div></div>` section
- `` section
- `<iframe></>`
- `` unordered list
- `` ordered list
- `` list item
- `<table></table>`
- `<tr></tr>` table row
- `<td></td>` row element
- `<th></th>` heading element

```
<h1>Haikus</h1>
<h2>“The Old Pond”
by Matsuo Bashō</h2>
<p>
An old silent pond<br><br>
A frog jumps
into the pond—<br><br>
Splash! Silence again.
</p>
```

Haikus

“The Old Pond” by Matsuo Bashō

An old silent pond

A frog jumps into the pond—

Splash! Silence again.

```
<a href="http://gamificationlab.uniroma1.it/wasa">  
Our course  
</a>
```

- The *href* attribute specifies the destination URL

- provide additional information about elements
- always specified in the start tag
- name/value pairs like: name="value"

```

```



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- The `src` attribute specifies the path to the image
- `alt` specifies an alternate text
- `width`: size can be relative to the container the image is in

```
<table>
  <tr>
    <th>Room</th>
    <th>Places</th>
  </tr>
  <tr>
    <td>1L</td>
    <td>120</td>
  </tr>
  <tr>
    <td>2L</td>
    <td>96</td>
  </tr>
</table>
```

Room Places

1L 120

2L 96

```
<ul>  
<li> Alice </li>  
<li> Bob </li>  
</ul>
```

```
<ol>  
<li> Alice </li>  
<li> Bob </li>  
</ol>
```

- Alice
- Bob

1. Alice
2. Bob

Nesting tags

```
<table>
<tr><td><a
href="https://www.uniroma1.it"
>

</a></td></tr>
</table>
```



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- <https://www.w3.org/standards/webdesign/htmlcss>
- <https://en.wikipedia.org/wiki/HTML>
- <https://www.w3schools.com/html/default.asp>