

Week 2 : Hyper Text Markup Language (HTML)

Lecture Team





Outline

- ▶ Introduction
- ▶ Syntax
- ▶ Tag
- ▶ HTML 5



HTML

- ▶ HTML (Hyper Text Markup Language) : Describe content and defines the **structure** within webpage.
- ▶ Hypertext documents on the web are not meant to be consumed in a liner fashion, they're designed to be linked to other documents



Basic HTML Syntax

```
<html>
```

```
  <head>
```

```
    <title> Hello World </title>
```

```
  </head>
```

```
  <body>
```

```
    <p>Hello World</p>
```

```
  </body>
```

```
</html>
```



tagging

- ▶ Html : menyatakan browser bahwa yang dibaca adalah file html
- ▶ Head : deklarasi title dokumen dan file yang berhubungan (CSS, js)
- ▶ Title : judul yang ditampilkan pada window browser
- ▶ Body : isi dokumen HTML



Struktur HTML

- Tag : tag pembuka dan tag penutup, ada beberapa tag yang tidak perlu menggunakan tag penutup ()
 - <head></head>
 <body></body>
- Element : tag pembuka, isi dan tag penutup
 - <title> -> tag pembuka
 - Isi -> isi judul dari dokumen
 - </title> -> tag penutup

 - Tidak boleh saling tumpang tindih
 - <p>
 -
 -
 -
 - </p>
- Attribute : mendefinisikan properti dari suatu elemen HTML
 - <body bgcolor="blue" text="white">



Pengenalan tag HTML

- Ganti Baris : `
`
- Paragraf : `<p> </p>`
- Cetak tebal : ` ... `
- Cetak miring : `<i> ... </i>`
- Cetak garis bawah : `<u> ... </u>`
- Heading : `<h1> ... </h1>` → `<h6> ... </h6>`
- Pengaturan Font : ` ... `
- Warna tulisan : `<body text="warna"> </body>`
 - `<body text="#0000FF"> </body>`
- Garis : `<hr align="left" size="850" width="100%" noshade>`



Pengenalan tag HTML

› Hyperlink :

klik link ini `google`

klik link ini [google](#)

› Menyisipkan image : ``

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>link</title>
</head>
<body>
  klik link ini <a href="google.com">google</a>
  <br>
  klik link pada gambar ini <a href="google.com" ></a>
</body>
</html>
```

klik link ini [google](#)



klik link pada gambar ini



Pengenalan Tag HTML

► Image button :

```
<form action="login.html">
```

```
  <input type="image" src="img_loc" alt="hoverimg"
```

```
</form>
```



Pengenalan tag HTML

► Urutan

- Order list (A=Abjad besar, I=Romawi besar, 1=desimal)

```
<ol start="number" type="A" | "a" | "I" | "i" | "1">
```

```
  <li> first </li>
```

```
  <li> second </li>
```

```
  <li> .... </li>
```

```
</ol>
```



Pengenalan tag HTML

► Urutan

– Unorder list

```
<ol start="number" type="circle" | "square" | "Disc">
```

```
<li>first</li>
```

```
<li>second</li>
```

```
<li>.....</li>
```

```
</ol>
```



Pengenalan Tag HTML

› Tabel

```
<table align="left" | "center" | "right">
  <tr>

    <th></th>

    <th></th>

    <th></th>

  </tr>

  <tr>

    <td></td>

    <td></td>

    <td></td>

  </tr>

</table>
```



Form

- ▶ Struktur input(formulir isian) pada dokumen html
- ▶ Jenis : text, password, email, radio, checkbox, submit(button), textarea, dropdown, hidden
- ▶ Atribut : id(penting), value,



Form

- › Teks satu baris (single-line text): `<input type="text" />`
- › Teks banyak baris (multi-line text): `<textarea></textarea>`
- › Teks rahasia (password): `<input type="password" />`
- › Pilihan tunggal (single selection / dropdown):
 - `<input type="radio" />`
 - `<select>`
`<option></option>`
`</select>`
- › Pilihan majemuk (multiple selections):
 - `<select multiple>`
`<option> </option>`
`</select>`
- › Checklist: `<input type="checkbox" />`
- › Data bawaan/tersembunyi (hidden): `<input type="hidden" />`
- › File: `<input type="file" />`
- › Gambar: `<input type="image" />`
- › Aksi user melalui penekanan tombol:
 - `<input type="submit" />`
 - `<input type="reset" />`
 - `<input type="button" />`
 - `<button> </button>`



Contoh

```
helloworld.html x
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Title</title>
6  </head>
7  <body>
8      <p>HelloWorld</p>
9      <table border="1" >
10         <tr>
11             <th>Kolom1</th>
12             <th>Kolom2</th>
13             <th>Kolom3</th>
14         </tr>
15         <tr>
16             <td>test1</td>
17             <td>test2</td>
18             <td>test3</td>
19         </tr>
20     </table>
21 </body>
22 </html>
```

HelloWorld

Kolom1	Kolom2	Kolom3
test1	test2	test3



Contoh 2

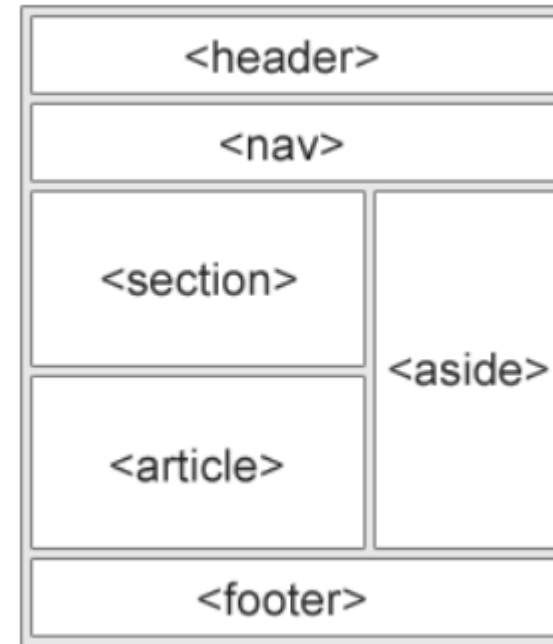
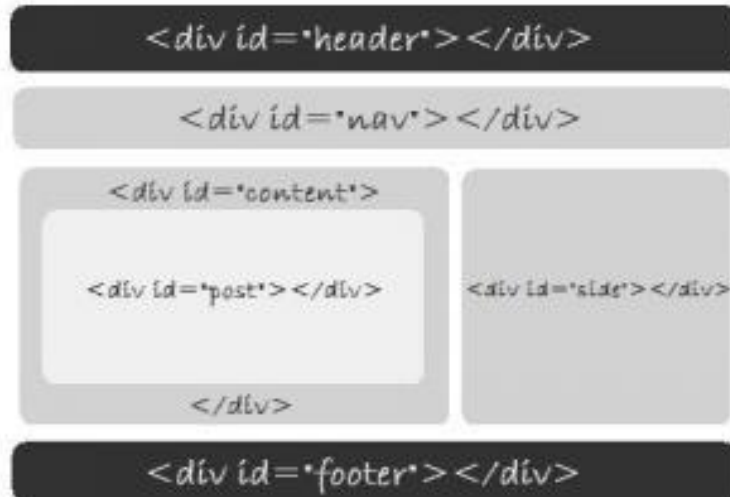
```
helloworld.html x hello2.html x
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
</head>
<body>
  <table width="80%" height="50%" border="1">
    <tr>
      <th rowspan="2">Nama Lengkap</th>
      <th colspan="2">Gelar Pendidikan</th>
      <th rowspan="2">Age</th>
    </tr>
    <tr>
      <th>Sarjana</th>
      <th>Magister</th>
    </tr>
    <tr>
      <td>Budi</td>
      <td>S.Kom</td>
      <td>M.Sc</td>
      <td>35</td>
    </tr>
    <tr>
      <td>Andi</td>
      <td>S.SiKom</td>
      <td>M.T</td>
      <td>52</td>
    </tr>
  </table>
</body>
</html>
```

Nama Lengkap	Gelar Pendidikan		Age
	Sarjana	Magister	
Budi	S.Kom	M.Sc	35
Andi	S.SiKom	M.T	52



HTML5 Layout

► Old vs new





Text

```
<form action="/action_page.php">
```

```
  First name: <br>
```

```
  <input type="text" name="firstname" value="Mickey"> <br>
```

```
  Last name: <br>
```

```
  <input type="text" name="lastname" value="Mouse"> <br> <br>
```

```
  <input type="submit" value="Submit">
```

```
</form>
```

First name:

Mickey

Last name:

Mouse

Submit



Radio Button

<form>

<input type="radio" name="gender" value="male" checked> Male

<input type="radio" name="gender" value="female"> Female

<input type="radio" name="gender" value="other"> Other

</form>

- ☒ Male
- ☐ Female
- ☐ Other

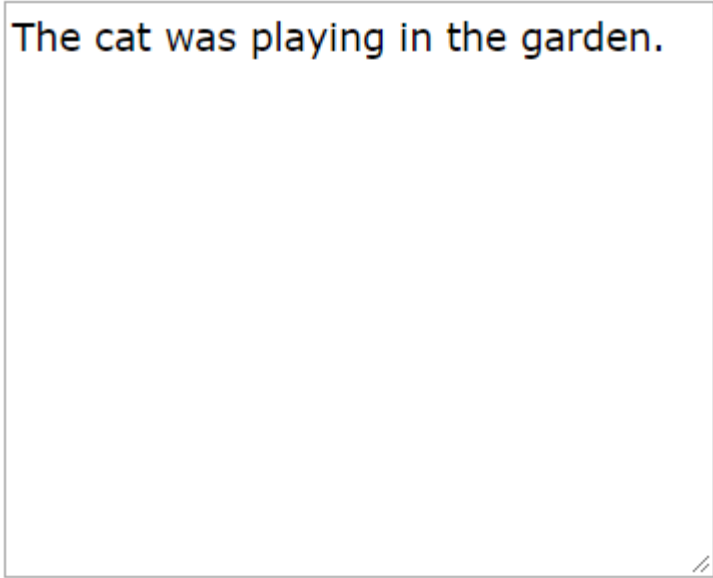


Textarea

```
<textarea name="message" rows="10" cols="30">
```

The cat was playing in the garden.

```
</textarea>
```



The cat was playing in the garden.



Reference

- › Modul Praktikum
- › <http://www.w3schools.com>



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THANK YOU