

HTML & CSS

:: HTML

What is HTML?

- ⊕ Hyper Text Markup Language
- ⊕ HTML merupakan “mother tongue” semua web browser
- ⊕ HTML merupakan bahasa untuk menyajikan informasi di Internet
- ⊕ HTML tampak rumit
- ⊕ Good News:
 - HTML sangat mudah dan sederhana

Element dan Tags

- ⊕ Esensi dari HTML adalah element
- ⊕ Element membentuk struktur dokumen HTML
- ⊕ Tag:
 - Label yang digunakan untuk awal dan akhir sebuah element
 - Opening tag, ex: `<HTML>`
 - Closing tag, ex: `</HTML>`

Contoh:

⊕ `<h1>This is a heading</h1>`

⊕ `<h2>This is a subheading</h2>`

This is a heading

This is a subheading

First Site

⊕ Simple web dibuat menggunakan Notepad

```
<HTML>
```

```
  <head>
```

```
    <title>My First Web</title>
```

```
  </head>
```

```
  <body>
```

```
    <p>Ya ini web saya yang pertama</p>
```

```
  </body>
```

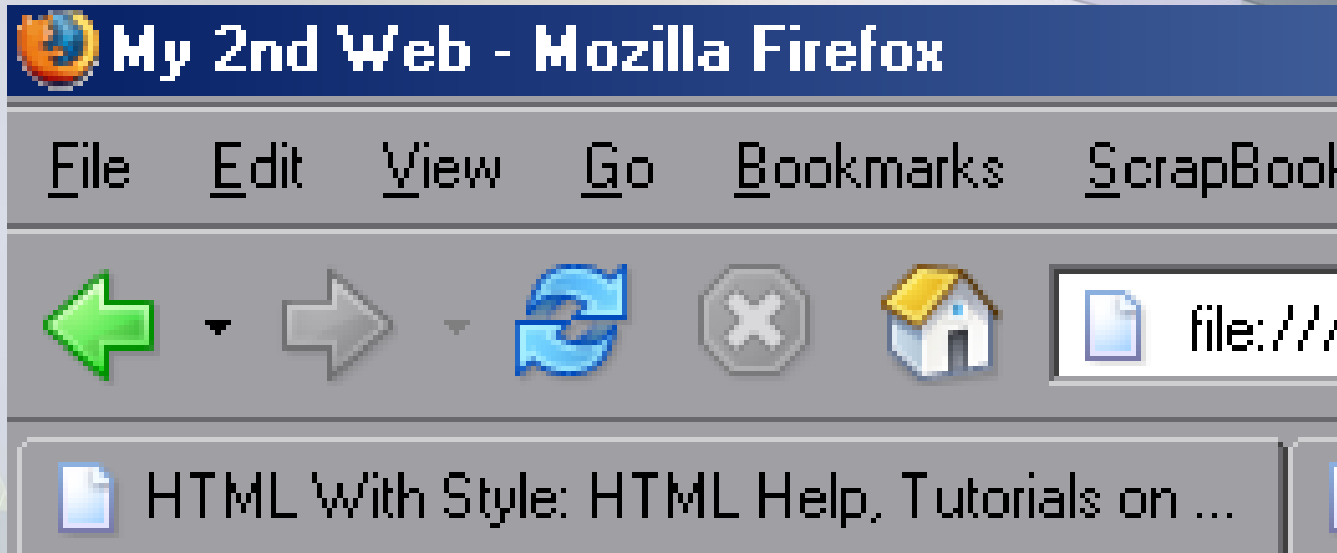
```
</HTML>
```



Ya ini web saya yang pertama

:: Atribut

- ⊕ Informasi lain yang bisa ditambahkan di dalam element
- ⊕ `<h2 style="background-color:#ff0000;">`
- ⊕ `<body style="background-color:#ff0000;">`



Web kedua

Ya ini web saya yang ke dua

:: Elemen penting

⊕ Link

- `Here is a link to HTML.net`
- `Click here to go to page 2`
- `Click here to go to page 2`
- `A link to page 1`

```
<body>
```

```
<p><a href="#heading1">Link to heading 1</a></p>
```

```
<p><a href="#heading2">Link to heading 2</a></p>
```

```
<h1 id="heading1">heading 1</h1>
```

```
<p>Text text text text</p>
```

```
<h1 id="heading2">heading 2</h1>
```

```
<p>Text text text text</p>
```

```
</body>
```

[Link to heading 1](#)

[Link to heading 2](#)

Heading 1

Text text text text

Heading 2

Text text text text

Tutorials on ...



Links - Lesson 8 | Free

Heading 1

Text text text text

Heading 2

Text text text text

Tutorials on ...



Links - Lesson 8 | Free

Heading 2

Text text text text

:: Elemen penting

⊕ ``

Web kedua

Ya ini web saya yang ke dua



- ⊕ **GIF (Graphics Interchange Format)**
- ⊕ **JPG / JPEG (Joint Photographic Experts Group)**
- ⊕ **PNG (Portable Network Graphics)**

⊕ ``

⊕ ``

⊕ ` `

:: Tabel

```
<table>  
  <tr>  
    <td>Cell 1</td>  
    <td>Cell 2</td>  
  </tr>  
  <tr>  
    <td>Cell 3</td>  
    <td>Cell 4</td>  
  </tr>  
</table>
```

⊕ <table border="1">

⊕ <table border="1" width="30%">

⊕ <td align="right" valign="top">Cell
1</td>

⊕ <td align="center" valign="top">Cell
1</td>

:: Tabel colspan

```
<table border="1">  
  <tr>  
    <td colspan="3">Cell 1</td>  
  </tr>  
  <tr>  
    <td>Cell 2</td>  
    <td>Cell 3</td>  
    <td>Cell 4</td>  
  </tr>  
</table>
```

Cell 1

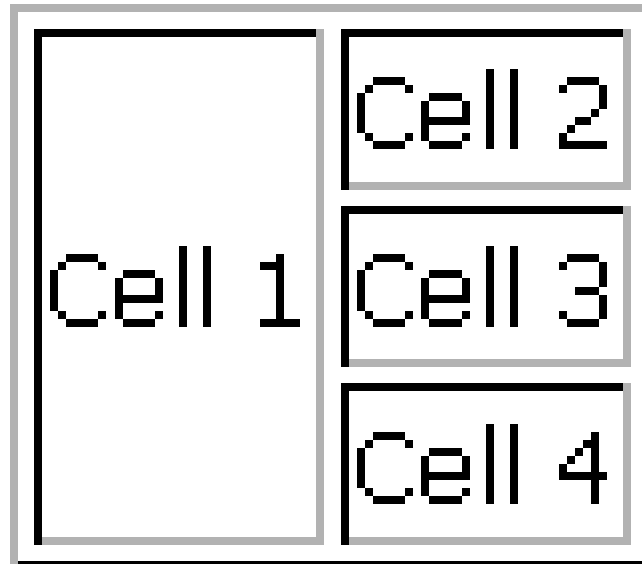
Cell 2

Cell 3

Cell 4

:: Tabel Rowspan

```
<table border="1">  
  <tr>  
    <td rowspan="3">Cell 1</td>  
    <td>Cell 2</td>  
  </tr>  
  <tr>  
    <td>Cell 3</td>  
  </tr>  
  <tr>  
    <td>Cell 4</td>  
  </tr>  
</table>
```



:: Elemen FORM

⊕ <form

⊕ Atribut:

- Action

- Method:

 - ◆ **Post**

 - ◆ **Get**

- Enctype:

 - ◆ **application/x-www-form-urlencoded**

 - ◆ **multipart/form-data**

:: FORM encoding

```
<form action="proses.php" method="get"  
  enctype="application/x-www-form-urlencoded"  
>
```

First Name:

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

Last Name:

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

```
<input type="submit" name="submitbutton"  
  value="Submit"> <br>
```

```
</form>
```



First Name: andi

Last Name: setiawan

Submit

⊕ <form action="proses.php" method="post"
enctype="multipart/form-data">
⊕ First Name: <input type="text" name="firstname">

⊕ Last Name: <input type="text" name="lastname">

⊕ Upload File: <input type="file" name="lastname">

⊕ <input type="submit" name="submitbutton"
value="Submit">

⊕ </form>

The image shows a web browser window with a toolbar at the top containing back, forward, refresh, stop, and home buttons. The address bar displays the file path: `file:///J:/Teknik%20r`. Below the toolbar, there are two tabs: "New Document" (active) and "Tutorial 13: C". The main content area contains a form with the following elements:

- First Name:** A text input field containing the text "andi".
- Last Name:** A text input field containing the text "setiawan".
- Upload File:** A text input field that is currently empty.
- Browse...** A button with a dotted border, located to the right of the Upload File input field.
- Submit** A button located below the Upload File input field.

E-mail address:

☐ Subscribe to our newsletter

☐ Check this box if you do not want to receive our newsletter

Submit

E-mail address:

Please select which format you would like

- ☒ Text
- ☐ HTML
- ☐ Adobe Acrobat

Submit

This is a text area with 5 rows and 40 columns visible by default. The text inside the element is its default value. Although the control is limited in size, the text entered can be larger than this size, and the user agent will presumably

Submit Query

Windows 95, 98 or NT

Windows 95, 98 or NT
Macintosh
Linux

Submit Query

select more than one choice can

```
<FORM ACTION="/cgi-bin/html/formdata.cgi"
```

</FORM>

MORONS Server for Windows	Submit Query
Windows 95, 98 or NT	
MORONS Server for Windows	
MORONS Run-time for Windows	
MORONS Developer's Kit for Windows	
Macintosh	
MORONS Server for the Macintosh	
MORONS Run-time for the Macintosh	
MORONS Developer's Kit for the Macintosh	
Linux	
MORONS Server for Linux	
MORONS Run-time for Linux	
MORONS Developer's Kit for Linux	

OBJECT element as
JECT element can be
o my knowledge no in
space for an update o



:: Frame ????

- ⊕ Jangan menggunakan frame:
 - Sudah nggak musim
 - Search engine tidak suka frame



CSS

Cascading Style Sheet

:: CSS

- ⊕ Tool layout yang hebat
- ⊕ Wajib bagi web designer
- ⊕ Cukup menggunakan text editor:
 - Notepad
 - EditPlus
 - TextPad
 - KWrite
 - Etc
- ⊕ No DreamWeaver, FrontPage or Word

:: CSS Untuk Apa???

⊕ Layout dokumen web

- Font
- Colour
- Margin
- Line
- Height
- Width
- Bg image
- Dan banyak lagi!!!!

- ⊕ HTML juga bisa digunakan untuk layout
- ⊕ Tapi CSS:
 - Punya option yg lebih banyak
 - Akurat
 - Sophisticated
- ⊕ HTML untuk struktur isi
- ⊕ CSS untuk menformat struktur
- ⊕ Semua browser support CSS

:: Cara Kerja CSS ?



⊕ HTML:

- `<body bgcolor="#FF0000">`

⊕ CSS:

- `body {background-color: #FF0000;}`

⊕ **Selector {property: value;}**

:: Metode Penerapan?

⊕ Internal

```
<html>
  <head>
    <title>Example</title>
    <style type="text/css">
      body {background-color: #FF0000;}
    </style>
  </head>
  <body>
    <p>This is a red page</p>
  </body>
</html>
```

⊕ External



⊕ External

⊕ **index.html:**

```
<html>
```

```
<head>
```

```
<title>My document</title>
```

```
<link rel="stylesheet"  
type="text/css"  
href="style/style.css" />
```

```
</head>
```

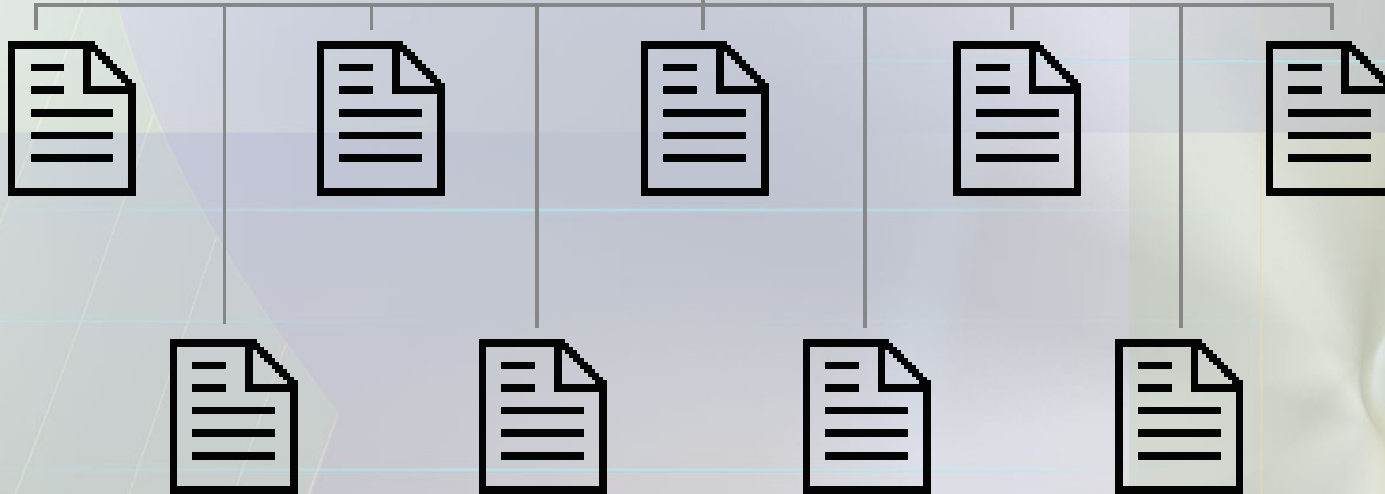
```
<body>
```

.....



style.css

Changes in the external style sheet will effect all HTML documents



HTML documents linking to the same style sheet

:: CSS

Color dan Background

- ⊕ color
- ⊕ background-color
- ⊕ background-image
- ⊕ background-repeat
- ⊕ background-attachment
- ⊕ background-position
- ⊕ background

⊕ **color**

⊕ background-color

⊕ background-image

⊕ background-repeat

⊕ background-attachment

⊕ background-position

⊕ background

⊕ **Color:**

```
h1 { color: #ff0000; }
```



This heading is in red

Iste quidem veteres inter ponetur honeste, qui vel mense b
paulatim vello unum, demo etiam unum, dum cadat elusus
sapines et fortis et alter Homerus, ut critici dicunt, leviter c
manibus non est et mentibus haeret paene recens? Adeo s
docti.

- ⊕ color
- ⊕ **background-color**
- ⊕ background-image
- ⊕ background-repeat
- ⊕ background-attachment
- ⊕ background-position
- ⊕ background

⊕ Background-color:

```
body { background-color: #FFCC66; }  
h1 { color: #990000; background-color: #FC9804; }
```



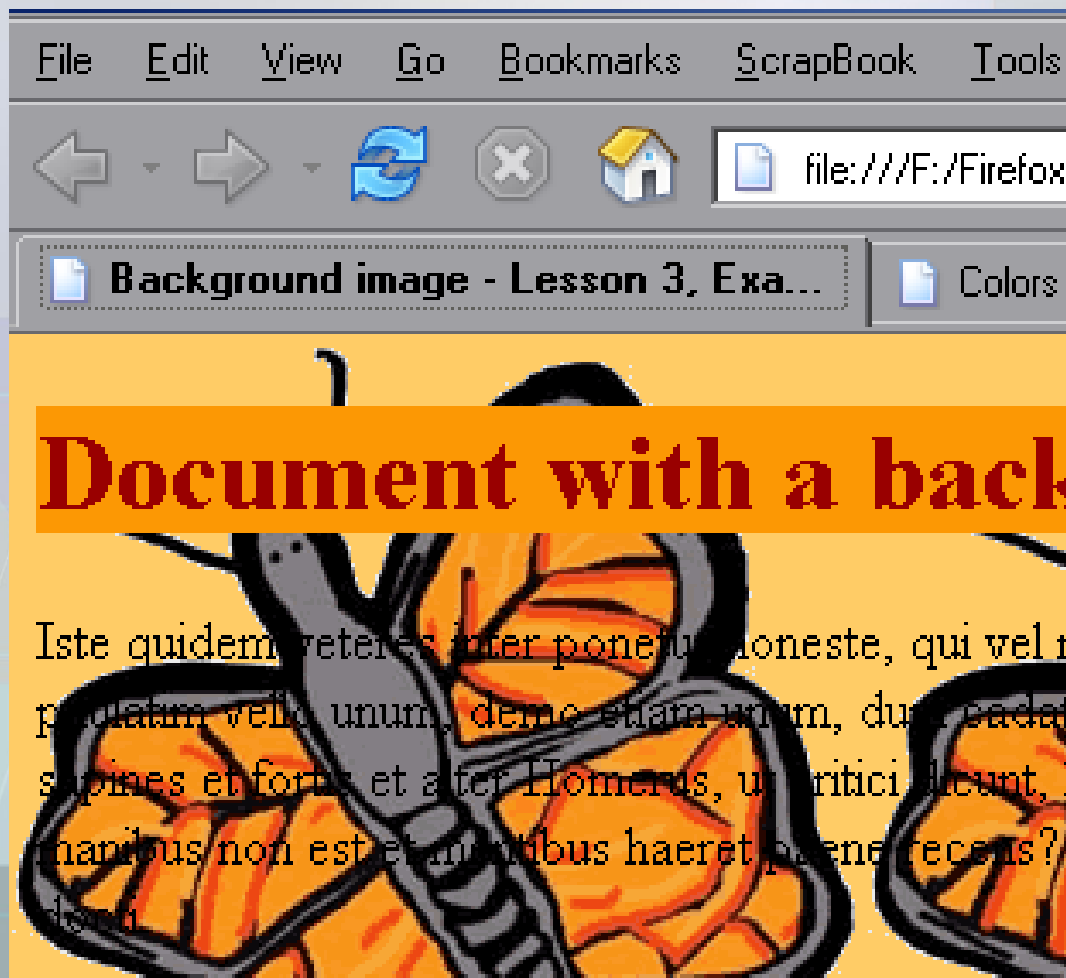
This is a heading with a backgr

Iste quidem veteres inter ponetur honeste, qui vel mense brevi vel toto paulatim vello unum, demo etiam unum, dum cadat elusus ratione ruent sapines et fortis et alter Homerus, ut critici dicunt, leviter curare videtur manibus non est et mentibus haeret paene recens? Adeo sanctum est v docti.

- ⊕ color
- ⊕ background-color
- ⊕ **background-image**
- ⊕ background-repeat
- ⊕ background-attachment
- ⊕ background-position
- ⊕ background

⊕ background-image

```
body { background-color: #FFCC66;
        background-image: url("butterfly.gif"); }
h1 { color: #990000; background-color: #FC9804; }
```



- ⊕ color
- ⊕ background-color
- ⊕ background-image
- ⊕ **background-repeat**
- ⊕ background-attachment
- ⊕ background-position
- ⊕ background

⊕ background-repeat

background-repeat: repeat-x	horizontally
background-repeat: repeat-y	vertically
background-repeat: repeat	horizontally and vertically
background-repeat: no-repeat	The image is not repeated

```
body {  
    background-color: #FFCC66;  
    background-image: url("butterfly.gif");  
    background-repeat: no-repeat;  
}  
  
h1 {  
    color: #990000;  
    background-color: #FC9804;  
}
```

- ⊕ color
- ⊕ background-color
- ⊕ background-image
- ⊕ background-repeat
- ⊕ **background-attachment**
- ⊕ background-position
- ⊕ background

⊕ background-attachment

Background-attachment: scroll

Background-attachment: fixed

```
body {  
    background-color: #FFCC66;  
    background-image: url("butterfly.gif");  
    background-repeat: no-repeat;  
    background-attachment: fixed;  
}  
  
h1 {  
    color: #990000;  
    background-color: #FC9804;  
}
```

- ⊕ color
- ⊕ background-color
- ⊕ background-image
- ⊕ background-repeat
- ⊕ background-attachment
- ⊕ **background-position**
- ⊕ background

⊕ background-position

background-position: 2cm 2cm

background-position: 50% 25%

background-position: top right

```
body {  
    background-color: #FFCC66;  
    background-image: url("butterfly.gif");  
    background-repeat: no-repeat;  
    background-attachment: fixed;  
    background-position: right bottom;  
}  
  
h1 {  
    color: #990000;  
    background-color: #FC9804;  
}
```

✚ background

```
background-color: #FFCC66;  
background-image: url("butterfly.gif");  
background-repeat: no-repeat;  
background-attachment: fixed;  
background-position: right bottom;
```

background: #FFCC66 url("butterfly.gif") no-repeat fixed right bottom;