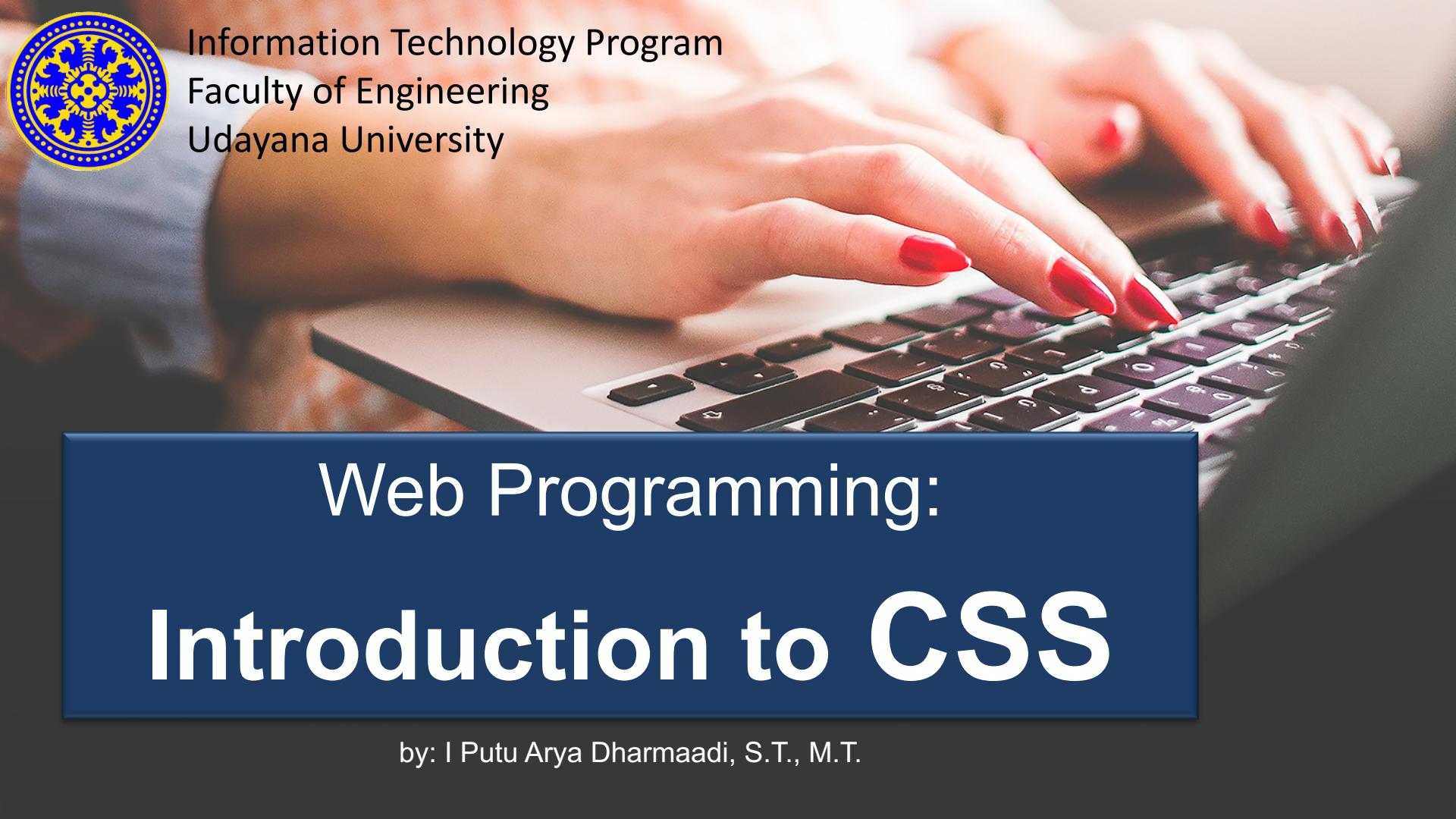




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A close-up photograph of a person's hands with red-painted fingernails typing on a dark-colored laptop keyboard. The background is slightly blurred.

Web Programming: Introduction to CSS

by: I Putu Arya Dharmaadi, S.T., M.T.



What CSS is



Client Side



Server Side



Web **without** CSS



Welcome to My Homepage

Use the menu to select different Stylesheets

- Stylesheet 1
- Stylesheet 2
- Stylesheet 3
- Stylesheet 4
- No Stylesheet

Same Page Different Stylesheets

This is a demonstration of how different stylesheets can change the layout of your HTML page. You can change the layout of this page by selecting different stylesheets in the menu, or by selecting one of the following links:

[Stylesheet1](#), [Stylesheet2](#), [Stylesheet3](#), [Stylesheet4](#).

No Styles

This page uses DIV elements to group different sections of the HTML page. Click here to see how the page looks like with no stylesheet:

[No Stylesheet](#).

Side-Bar

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Web with **CSS** (1)



Welcome to My Homepage

Use the menu to select different Stylesheets

Stylesheet 1

Stylesheet 2

Stylesheet 3

Stylesheet 4

No Stylesheet

Same Page Different Stylesheets

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[No Stylesheet](#).

Web with **CSS** (2)



Welcome to My Homepage

Use the menu to select different Stylesheets

Same Page Different Stylesheets

This is a demonstration of how different stylesheets can change the layout of your HTML page. You can change the layout of this page by selecting different stylesheets in the menu, or by selecting one of the following links: [Stylesheet1](#), [Stylesheet2](#), [Stylesheet3](#), [Stylesheet4](#).

No Styles

This page uses DIV elements to group different sections of the HTML page. Click here to see how the page looks like with no stylesheet:
[No Stylesheet](#)

Stylesheet 1

Stylesheet 2

Stylesheet 3

Stylesheet 4

No Stylesheet



What is CSS?

“Cascading Style Sheets is a style sheet language used for **controlling the design** of web to make the web pages more attractive”

```
p {  
    margin: 10px;  
    background-color: yellow;  
}  
  
body div#kelompok1{  
    background-color: aquamarine;  
    margin: auto;  
    margin-bottom: 10px;  
    width: 50%;  
}  
  
div#kelompok2{  
    background-color: brown;  
}  
  
div {  
    border: 1px solid;  
}  
  
p.lain{  
    font-size: 20px;  
    text-align: center;  
}
```

CSS Content

SELECTOR



```
p {  
    font-family: Arial;}
```

DECLARATION

```
h1, h2, h3 {  
    font-family: Arial;  
    color: yellow;}
```

```
graph TD; A[h1, h2, h3] --- B[ ]; C[PROPERTY] --- D["font-family: Arial;"]; E[VALUE] --- F["color: yellow;"]
```

PROPERTY VALUE

CSS Selector



SELECTOR	MEANING	EXAMPLE
UNIVERSAL SELECTOR	Applies to all elements in the document	* {} Targets all elements on the page
TYPE SELECTOR	Matches element names	h1, h2, h3 {} Targets the <h1>, <h2> and <h3> elements
CLASS SELECTOR	Matches an element whose class attribute has a value that matches the one specified after the period (or full stop) symbol	.note {} Targets any element whose class attribute has a value of note p.note {} Targets only <p> elements whose class attribute has a value of note
ID SELECTOR	Matches an element whose id attribute has a value that matches the one specified after the pound or hash symbol	#introduction {} Targets the element whose id attribute has a value of introduction
CHILD SELECTOR	Matches an element that is a direct child of another	li>a {} Targets any <a> elements that are children of an element (but not other <a> elements in the page)
DESCENDANT SELECTOR	Matches an element that is a descendent of another specified element (not just a direct child of that element)	p a {} Targets any <a> elements that sit inside a <p> element, even if there are other elements nested between them

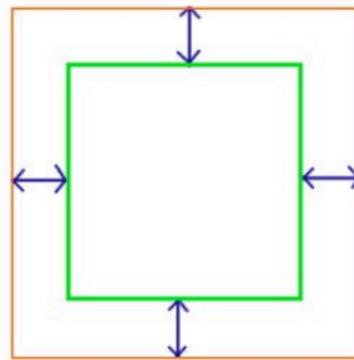
CSS Property & Value



No	Property	Example of Specific Property and Value
1	background	background-image: url("bg_desert.jpg");
2	border	border-style: dashed;
3	margin	margin-left: 80px;
4	padding	padding-top: 10pt
5	text	text-align: center;
6	font	font-family: "Times New Roman"
7	display	display: inline
8	position	position: relative
9	float	float: left



Padding vs Margin



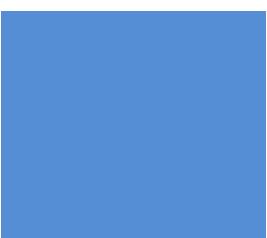
Padding



Margin

Padding → jarak elemen dengan elemen di dalamnya
Margin → jarak elemen dengan elemen tetangga

Float Elements



Normal layout

Float: left

Float: left

Float: left

Layout with float elements



CSS Usage

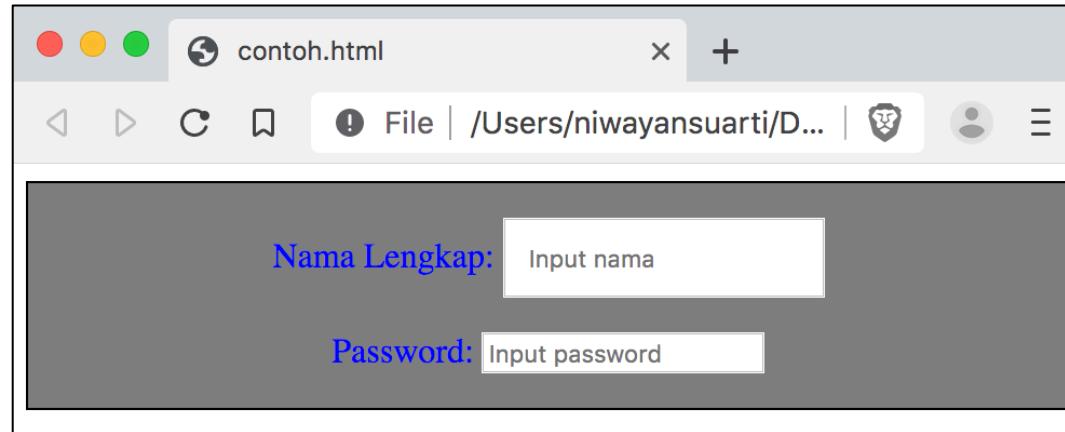
How to attach CSS code to HTML





INLINE CSS

```
<body>
  <h1></h1>
  <form style="background-color: grey; color: #0000FF; border: black 1px solid; text-align: center">
    <p>Nama Lengkap: <input style="padding: 10px" type="text" placeholder="Input nama"></p>
    <p>Password: <input type="password" placeholder="Input password"></p>
  </form>
```





INTERNAL CSS

```
<html>
  <head>
    <style type="text/css">
      body {
        font-family: arial;
        background-color: rgb(185,179,175);}
      h1 {
        color: rgb(255,255,255);}
    </style>
  </head>
  <body>
    <h1></h1>
    <form style="background-color: grey; color: #0000FF; border:
black 1px solid; text-align: center">
      <p>Nama Lengkap: <input style="padding: 10px" type="text"
placeholder="Input nama"></p>
      <p>Password: <input type="password" placeholder="Input
password"></p>
    </form>
```



EXTERNAL CSS

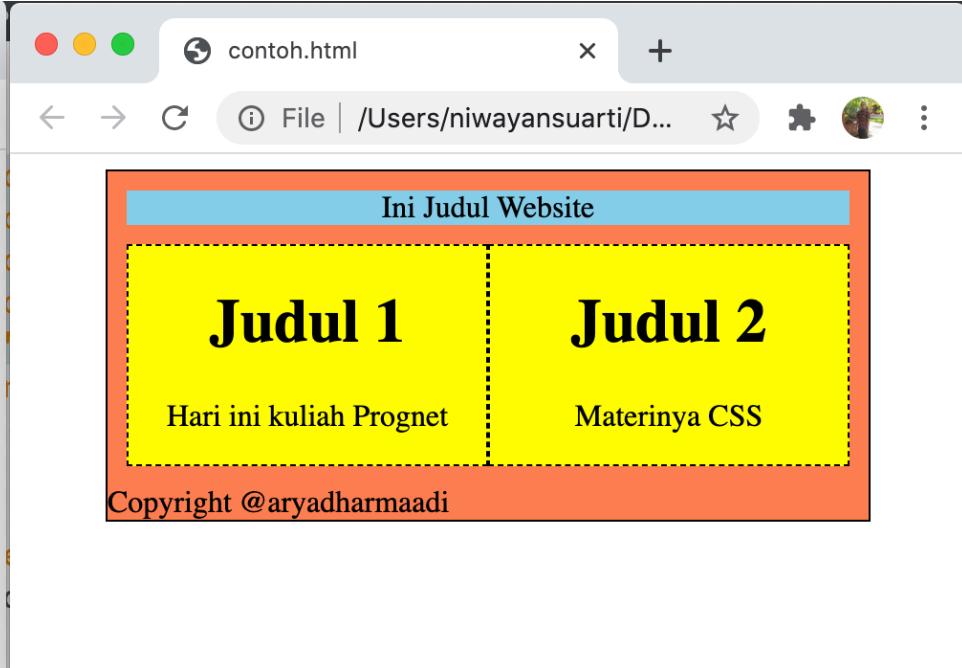
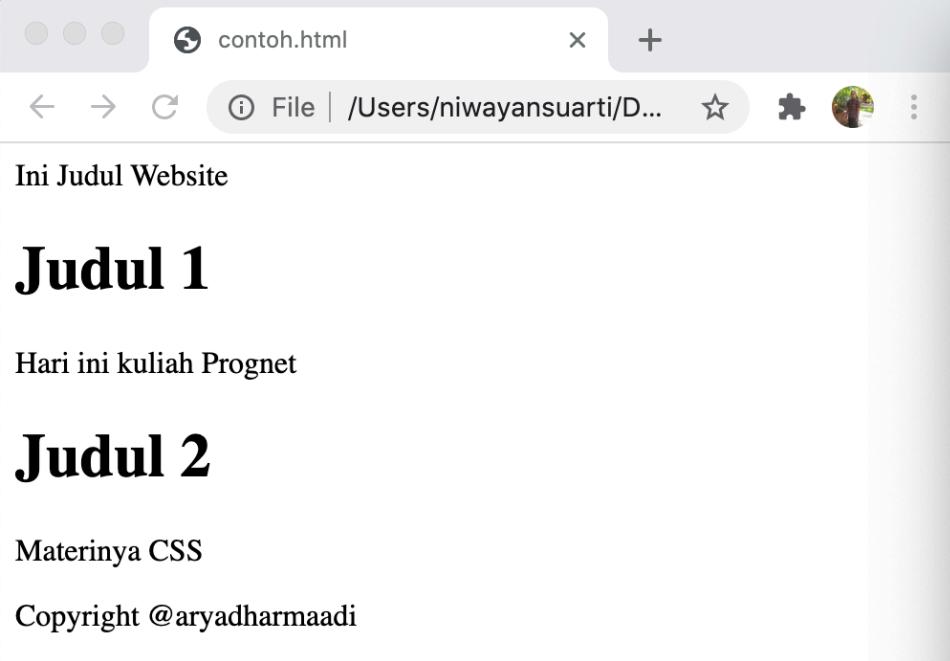
```
<html>
  <head>
    <link href="css/bootstrap.min.css" rel="stylesheet"
      type="text/css">
    <link href="contoh.css" rel="stylesheet" type="text/css">
  </head>
  <body>
```



CSS Examples



PERBANDINGAN TANPA CSS VS DENGAN CSS



```
1 ▼ <html>
2 ▼   <head>
3     <link href="contoh.css"
4         rel="stylesheet" type="text/css">
5   </head>
6 ▼   <body>
7     <div id="web">
8       <div id="header">
9         Ini Judul Website
10      </div>
11      <div id="content">
12        <div class="article">
13          <h1>Judul 1</h1>
14          <p>Hari ini kuliah Prognet</p>
15        </div>
16        <div class="article">
17          <h1>Judul 2</h1>
18          <p>Materinya CSS</p>
19        </div>
20      </div>
21      <div id="footer">
22        Copyright @aryadharmaadi
23      </div>
24    </div>
25  </body>
26 </html>
```

```
1 ▼ * {
2   box-sizing: border-box;
3 }
4
5 ▼ #web{
6   background-color: coral;
7   border: black 1px solid;
8   margin: 0 auto;
9   width: 400px;
10 }
11
12 ▼ #header {
13   background-color: #87ceeb;
14   text-align: center;
15 }
16
17 ▼ #content {
18   overflow: auto;
19   background-color: darkcyan;
20 }
21
22 ▼ #header, #content {
23   margin: 10px;
24 }
25
26 ▼ .article{
27   background-color: rgb(255,255,0);
28   border: black 1px dashed;
29   float: left;
30   width: 50%;
31   text-align: center;
32 }
```

Discussion

Any Question?



REFERENCES

