

A faint, light blue world map is visible in the background of the slide, centered behind the title text.

Cascading Style Sheet

CSS BOX MODEL

- ▶ Semua element HTML menganut prinsip “box model”
- ▶ Komponen:
 - Content
 - Padding di sekitar content
 - Border di sekeliling padding
 - Margin di seputar border



Contoh 1

- ▶ `<html>`
- ▶ `<head>`
- ▶ `<style type="text/css">`
- ▶ `#box {`
- ▶ `width: 350px;`
- ▶ `border-color: red;`
- ▶ `border-style: dashed;`
- ▶ `}`
- ▶ `</style>`
- ▶ `</head>`

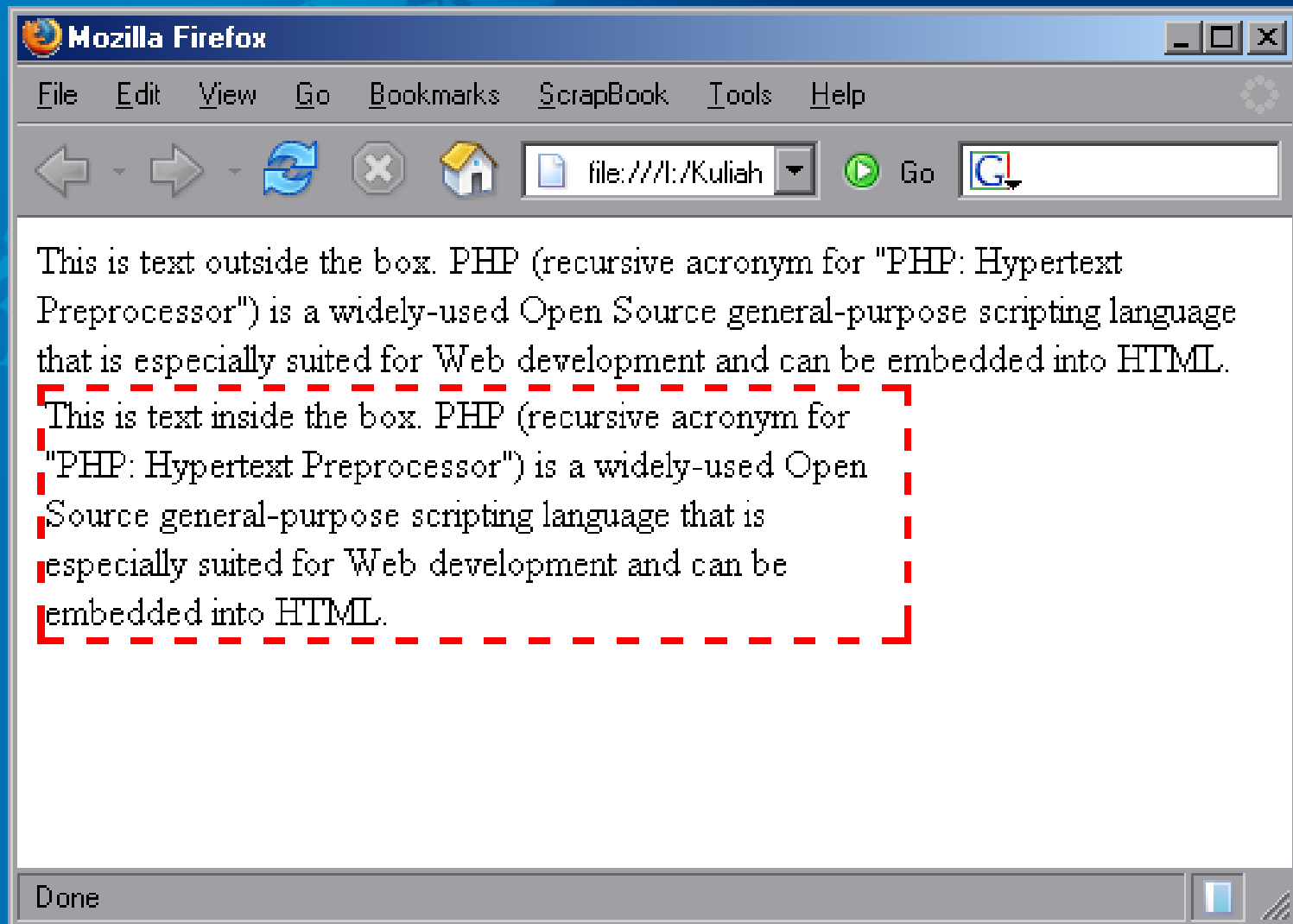
Contoh 1

- ▶ `<body>`
- ▶ This is text outside the box.
- ▶ PHP (recursive acronym for "PHP: Hypertext Preprocessor") is a widely-used Open Source general-purpose scripting language that is especially suited for Web development and can be embedded into HTML.

Contoh 1

- ▶ `<div id="box">`
- ▶ This is text inside the box.
- ▶ PHP (recursive acronym for "PHP: Hypertext Preprocessor") is a widely-used Open Source general-purpose scripting language that is especially suited for Web development and can be embedded into HTML.
- ▶ `</div>`
- ▶ `</body>`
- ▶ `</html>`

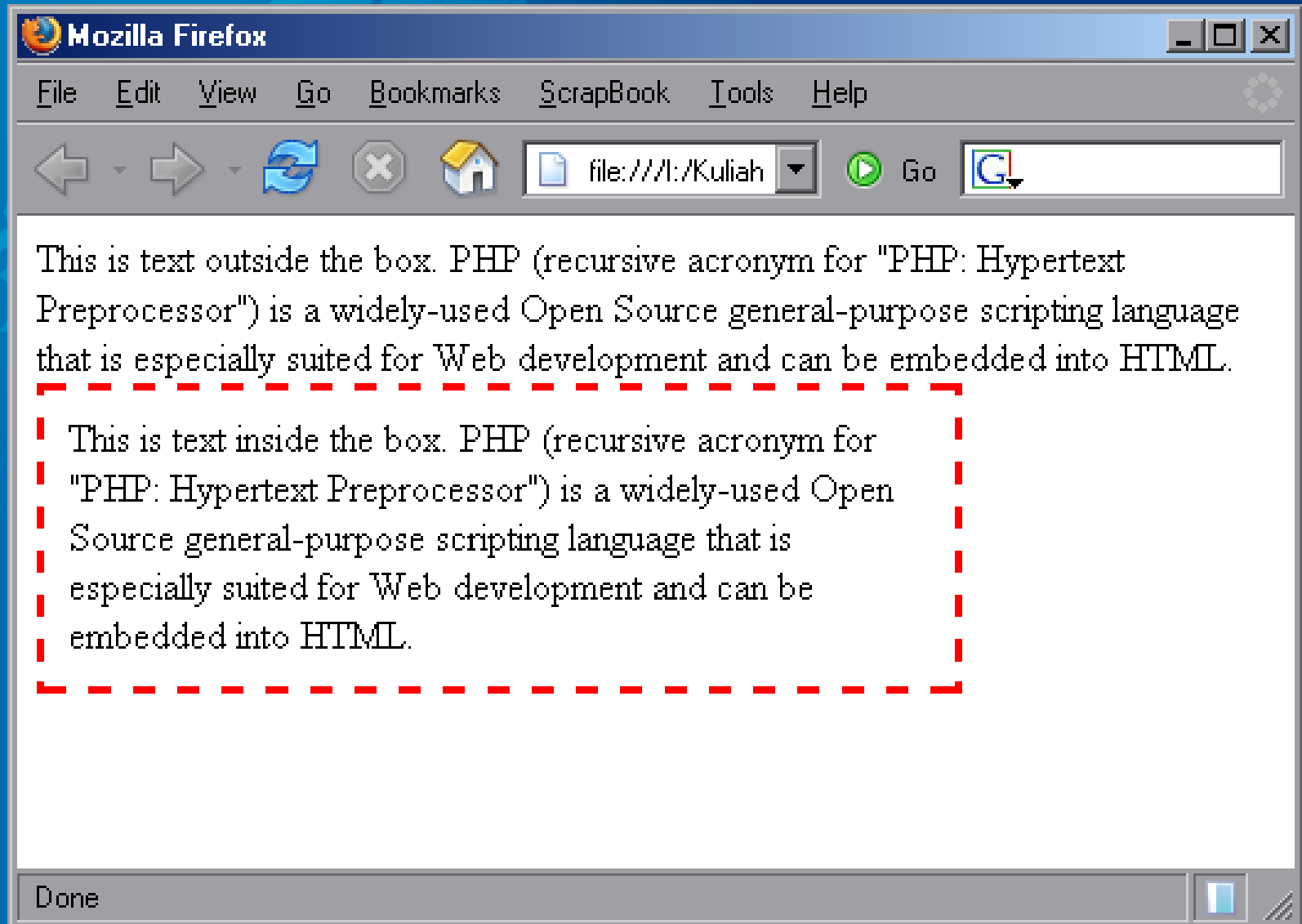
CONTOH 1



Contoh 2

```
▶ #box {  
    width: 350px;  
    border-color: red;  
    border-style: dashed;  
    padding: 10px; ←  
▶ }
```

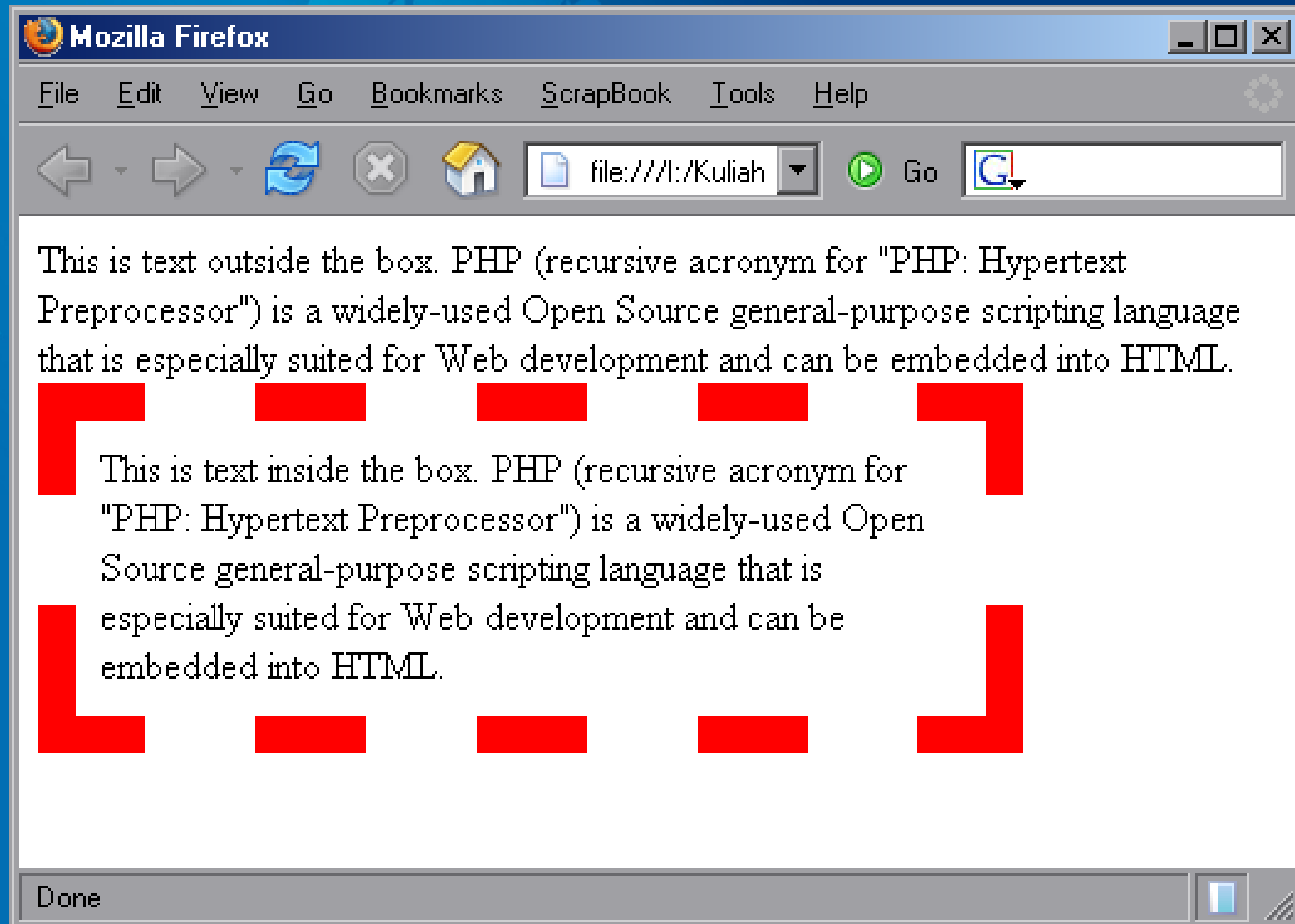

Contoh 2



Contoh 3

- ▶ #box {
- ▶ width: 350px;
- ▶ border-color: red;
- ▶ border-style: dashed;
- ▶ padding: 10px;
- ▶ border-width: 15px; ←
- ▶ }

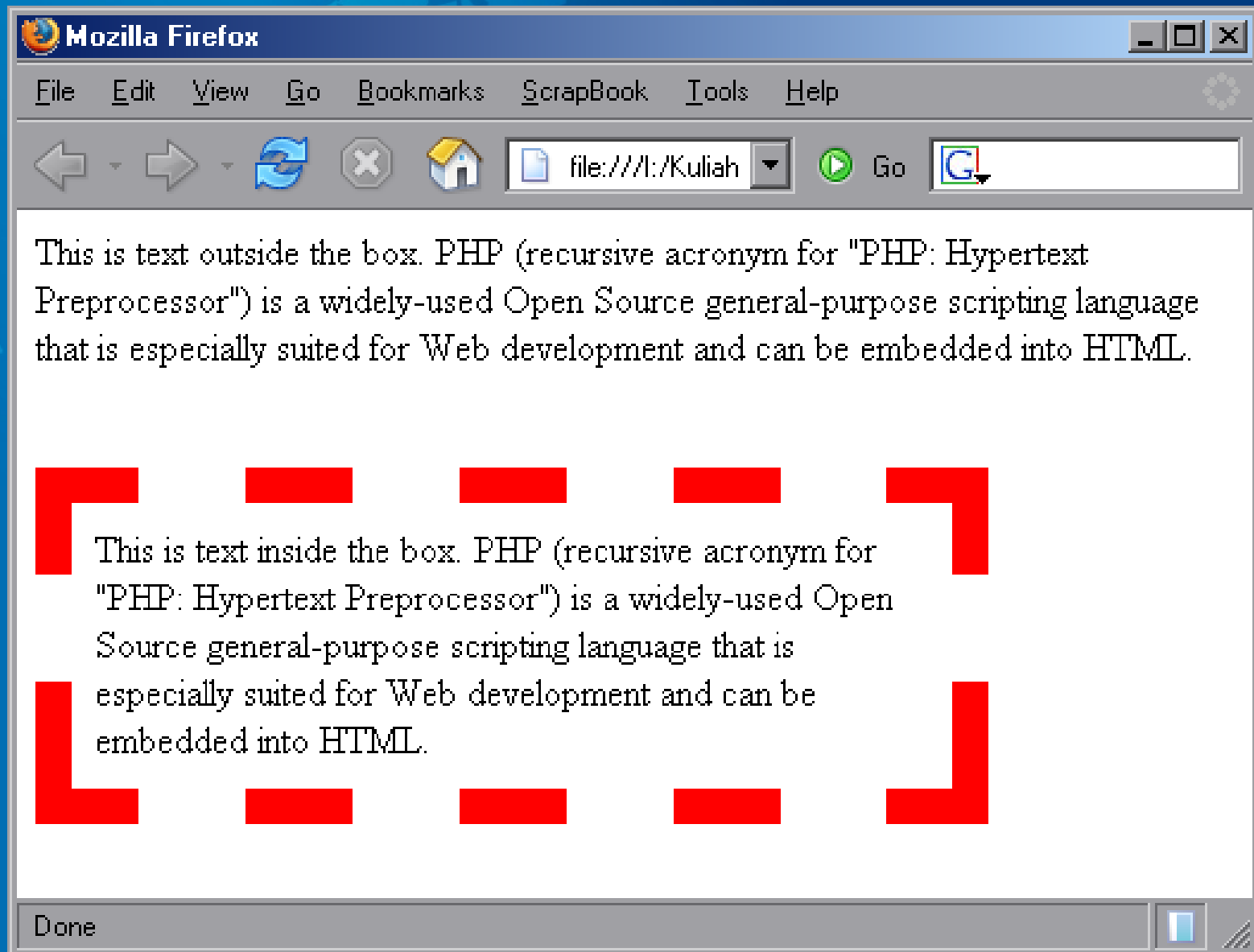
Contoh 3



Contoh 4

- ▶ #box {
- ▶ width: 350px;
- ▶ border-color: red;
- ▶ border-style: dashed;
- ▶ padding: 10px;
- ▶ border-width: 15px;
- ▶ margin-top: 40px; ←
- ▶ }

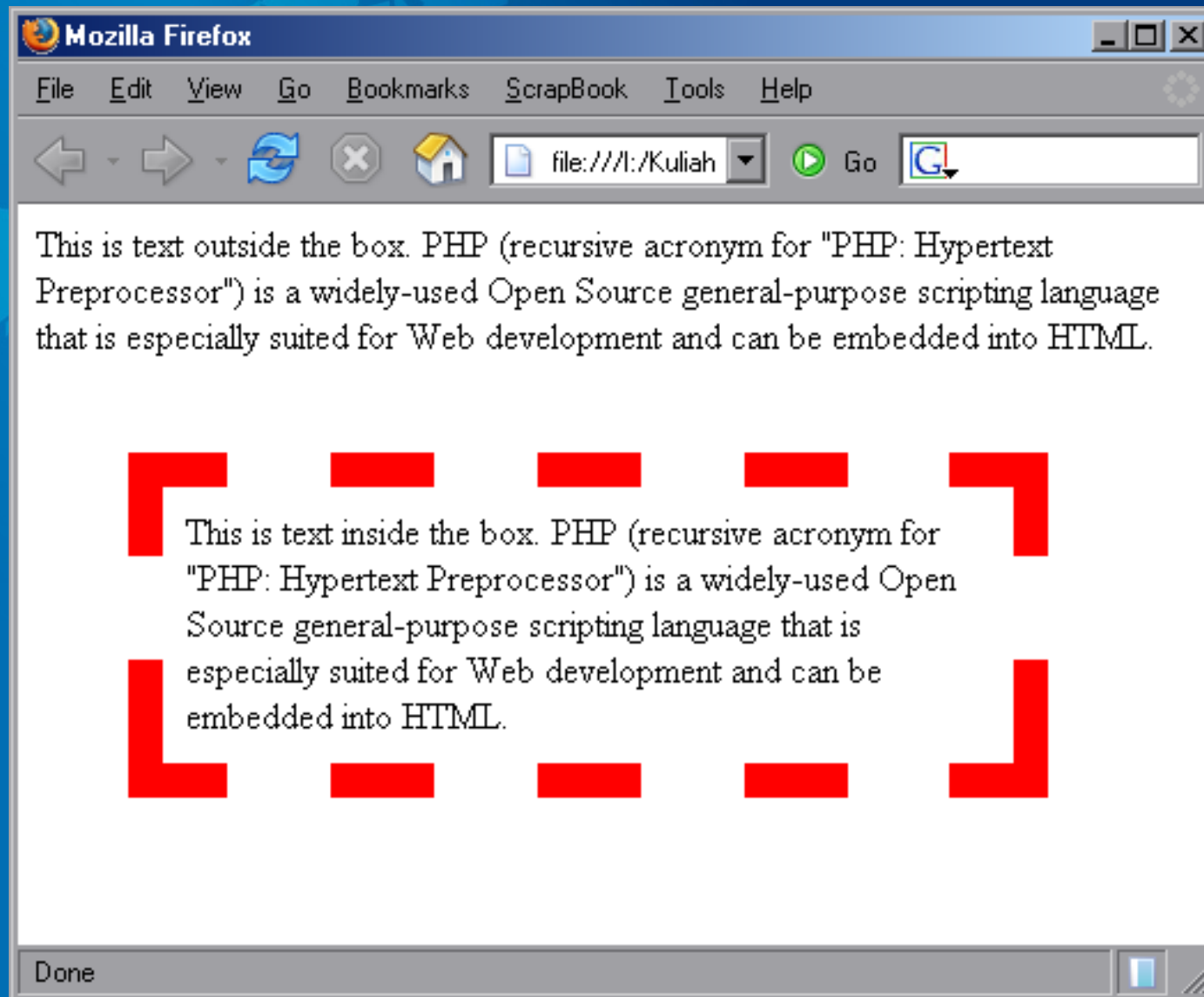
Contoh 4

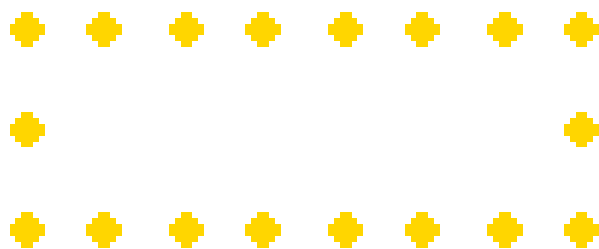


Contoh 5

- ▶ #box {
- ▶ width: 350px;
- ▶ border-color: red;
- ▶ border-style: dashed;
- ▶ padding: 10px;
- ▶ border-width: 15px;
- ▶ margin: 40px;
- ▶ }

Contoh 5





dotted



dashed



solid



double



groove



ridge



inset



outset

FONT

- ▶ font-family
- ▶ font-style
- ▶ font-variant
- ▶ font-weight
- ▶ font-size
- ▶ font

font-family

font-family

font-style

font-variant

font-weight

font-size

font

▶ Family-name:

- Arial, Time New Roman, Tahoma

▶ Generic Name:

- Serif, san-serif, monospace

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▶ Serif:

- Time New Roman
- Garamond
- Georgia

▶ San-serif:

- Trebuchet
- Arial
- Verdana

▶ Monospace:

- Courier - New

- 
- A faint, light blue world map is visible in the background of the slide, centered behind the text.
- ▶ `h1 {font-family: arial, verdana, sans-serif;}`
 - ▶ `h2 {font-family: "Times New Roman", serif;}`

font-style

font-family

font-style

font-variant

font-weight

font-size

font

- ▶ h1 {font-family: arial, verdana, sans-serif;}
- ▶ h2 {font-family: "Times New Roman", serif; **font-style: italic;**}

font-variant

font-family

font-style

font-variant

font-weight

font-size

font

- ▶ h1 {font-variant: small-caps;}
- ▶ h2 {font-variant: normal;}

HEADING 1 - SMALL CAPS

And heading 2 - normale

font-weight

font-family

font-style

font-variant

font-weight

font-size

font

- ▶ p {font-family: arial, verdana, sans-serif;}
- ▶ td {font-family: arial, verdana, sans-serif; **font-weight: bold;**}

font-size

font-family

font-style

font-variant

font-weight

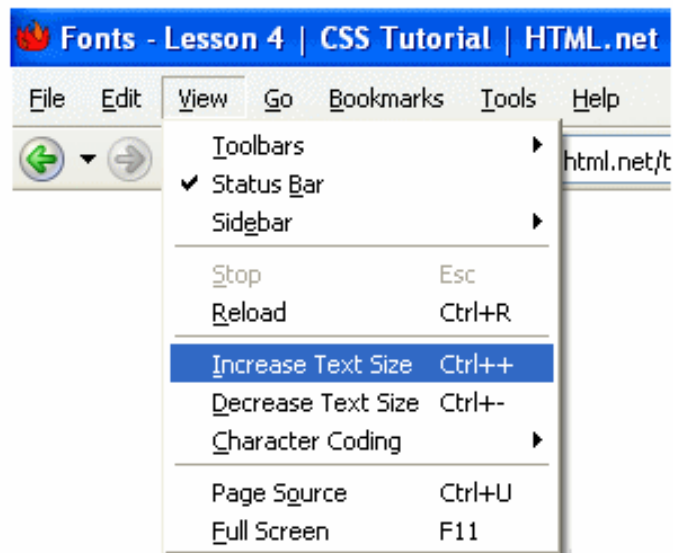
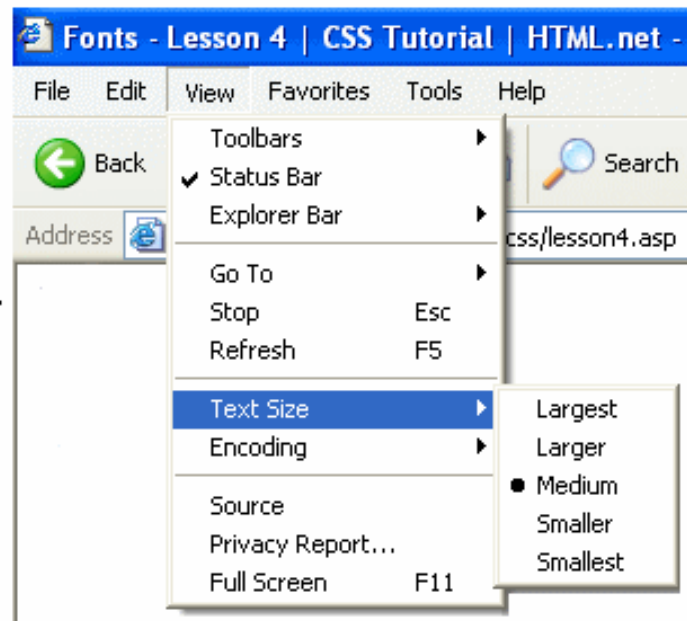
font-size

font

- ▶ h1 {font-size: **30px**;}
- ▶ h2 {font-size: **12pt**;}
- ▶ h3 {font-size: **120%**;}
- ▶ p {font-size: **1em**;}

Mozilla
↓

Internet Explorer →



font

font-family

font-style

font-variant

font-weight

font-size

font

```
p { font-style: italic;  
      font-weight: bold;  
      font-size: 30px;  
      font-family: arial, sans-  
serif; }
```

```
p { font: italic bold 30px arial,  
      sans-serif; }
```

Text

- ▶ text-indent
- ▶ text-align
- ▶ text-decoration
- ▶ letter-spacing
- ▶ text-transform

text-indent

text-indent

text-align

text-


decoration

letter-spacing


text-transform

► p { text-indent: 30px; }

Text indentation



Interdum volgus rectum videt, est ubi p
errat. Si quaedam nimis antique, si peraque
aequo. Non equidem insector delendave car
emendata videri pulchraque et exactis minim
concinnior unus et alter, venditque poema.



Indignor quicquam reprehendi, non qui
honorem et praemia posci. Recte necne cro

text-align

text-indent

text-align

text-

decoration

letter-spacing

text-transform

- ▶ th { text-align: **right**; }
- ▶ td { text-align: **center**; }
- ▶ p { text-align: **justify**; }

text-decoration

text-indent

text-align

text-

decoration

letter-spacing

text-transform

▶ h1 { text-decoration: **underline**; }

▶ h2 { text-decoration: **overline**; }

▶ h3 { text-decoration: **line-through**; }

This text is underlined

This text is overlined

~~This text is lined through~~

letter-spacing

text-indent
text-align
text-decoration
letter-spacing
text-transform

- ▶ `h1 { letter-spacing: 6px; }`
- ▶ `p { letter-spacing: 3px; }`

S p a c e b e t w

Interdum volgus rectum
ut nihil anteferat, nihil
dure dicere credit eos,

text-indent
text-align
text-decoration
letter-spacing
text-transform

- ▶ `h1 { text-transform: uppercase; }`
- ▶ `li { text-transform: capitalize; }`

Link

- ▶ **a:link** { color: blue; }
- ▶ **a:visited** { color: red; }
- ▶ **a:active** { background-color: #FFFF00; }
- ▶ **a:hover** { color: orange; font-style: italic; }

Aktive links gets a yellow

Click here and keep the button down



Hover effect on

[Move the cursor over this link](#)

Hover effect on links!

Move the cursor over this link



A faint, light blue world map is visible in the background of the slide, centered behind the title text.

Identifikasi Element Class & id

Class

- ▶ a { color: blue; }
- ▶ a.**whitewine** { color: #FFBB00; }
- ▶ a.**redwine** { color: #800000; }

- ▶ `<p>Grapes for white wine:</p>`
- ▶ ``
 - `Riesling`
 - `Chardonnay`
 - `Pinot Blanc`
- ▶ ``

- ▶ <p>Grapes for red wine:</p>
- ▶
 - Cabernet Sauvignon
 - Merlot
 - Pinot Noir
- ▶

Two groups of links

Grapes for white wine:

- ♦ [Riesling](#)
- ♦ [Chardonnay](#)
- ♦ [Pinot Blanc](#)

Grapes for red wine:

- ♦ [Cabernet Sauvignon](#)
- ♦ [Merlot](#)
- ♦ [Pinot Noir](#)

This is an example of a [link without any class](#) - it is stil

Id

- ▶ **#c1-2** { color: red; }

- ▶ -----

- ▶ **<h1 id="c1">Chapter 1</h1> ...**

- ▶ **<h2 id="c1-1">Chapter 1.1</h2> ...**

- ▶ **<h2 id="c1-2">Chapter 1.2</h2>**

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Pengelompokan Element


`` & `<div>`

Pengelompokkan Element

- ▶ Tag `` tidak menambahkan apapun pada HTML
- ▶ Namun `` dapat menambahkan visual effect pada text

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► **span.benefit** { color:red; }

- 
- A faint, light blue world map is visible in the background of the slide, centered behind the text.
- ▶ `<p>Early to bed and early to rise
makes a man <span
class="benefit">healthy,
wealthy</
span>
and wise</
span>.</p>`

Franklin quotation - en


makes a man healthy, wealthy and wise.

<div>

- ▶ Digunakan untuk mengelompokkan beberapa element sekaligus

A faint, light blue world map is visible in the background of the slide, centered behind the text.

- ▶ `<div id="mobil">`
- ▶ ``
 - `Avanza`
 - `Inova`
 - `Swift`
- ▶ ``
- ▶ `</div>`

A faint, light blue world map is visible in the background of the slide, centered on the Atlantic Ocean.

```
> <div id="motor">  
> <ul>  
  ■ <li>Mio</li>  
  ■ <li>Supra X</li>  
  ■ <li>Mega Pro</li>  
> </ul>  
> </div>
```


A faint, light blue world map is visible in the background of the slide, centered on the Atlantic Ocean.

- ▶ #mobil {
- ▶ background:blue;
- ▶ }

- ▶ #motor {
- ▶ background:red;
- ▶ }

- Avanza

- Inova

- Swift

- Mio

- Supra X

- Mega Pro

Floating elements



This box floats
to the left



... and the "gap" is filled by the
following box.



A floating image

Iste quidem veteres inter ponetur honeste, qui
vel mense brevi vel toto est iunior anno. Utor
permisso, caudaeque pilos ut equinae paulatim
vello unum, demo etiam unum, dum cadat elusus
Interdum volgus rectum videt, est ubi peccat.

Si veteres ita miratur laudatque poetas, ut
nihil anteferat, nihil illis comparet, errat.

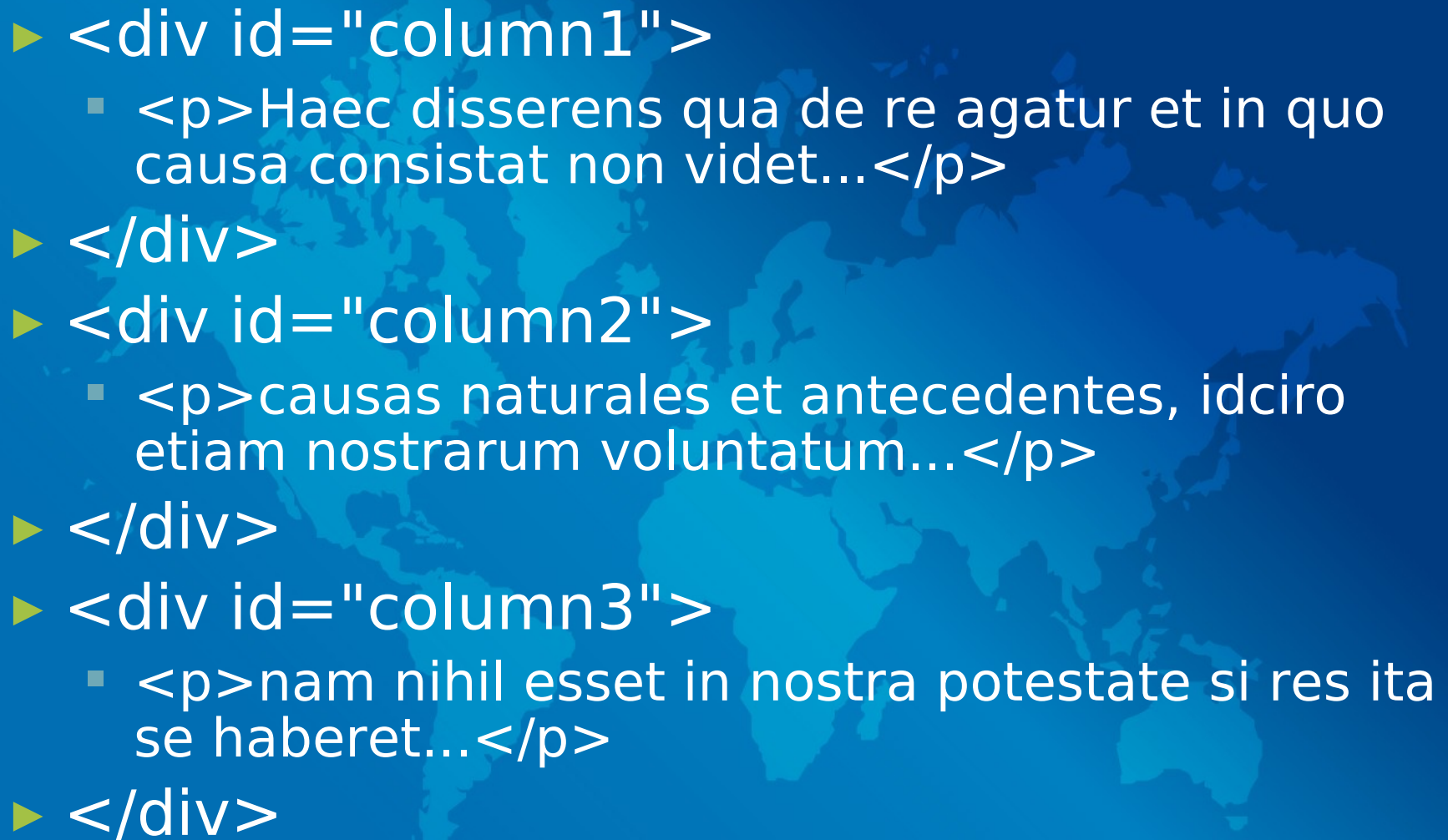
Si quaedam nimis antique, si peraque dure

Interdum volgus rectum videt, est ubi peccat. Si veteres ita miratur laudatque
poetas, ut nihil anteferat, nihil illis comparet, errat. Si quaedam nimis antique
si peraque dure

- ▶ `<div id="picture">`
- ▶ ``
- ▶ `</div>`
- ▶ `<p>causas naturales et antecedentes,
idcirco etiam nostrarum voluntatum...</p>`

A faint, light blue world map is visible in the background of the slide, centered behind the text.

► #picture { **float:left; width: 100px; }**

- 
- ▶ `<div id="column1">`
 - `<p>Haec disserens qua de re agatur et in quo causa consistat non videt...</p>`
 - ▶ `</div>`
 - ▶ `<div id="column2">`
 - `<p>causas naturales et antecedentes, idcirco etiam nostrarum voluntatum...</p>`
 - ▶ `</div>`
 - ▶ `<div id="column3">`
 - `<p>nam nihil esset in nostra potestate si res ita se haberet...</p>`
 - ▶ `</div>`

- ▶ `#column1 { float:left; width: 100px; padding: 5px; border-style: dashed; margin: 10px; border-width: 1px;}`
- ▶ `#column2 { float:left; width: 100px; padding: 5px; border-style: dashed; margin: 10px; border-width: 1px;}`
- ▶ `#column3 { float:left; width: 100px; padding: 5px; border-style: dashed; margin: 10px; border-width: 1px;}`

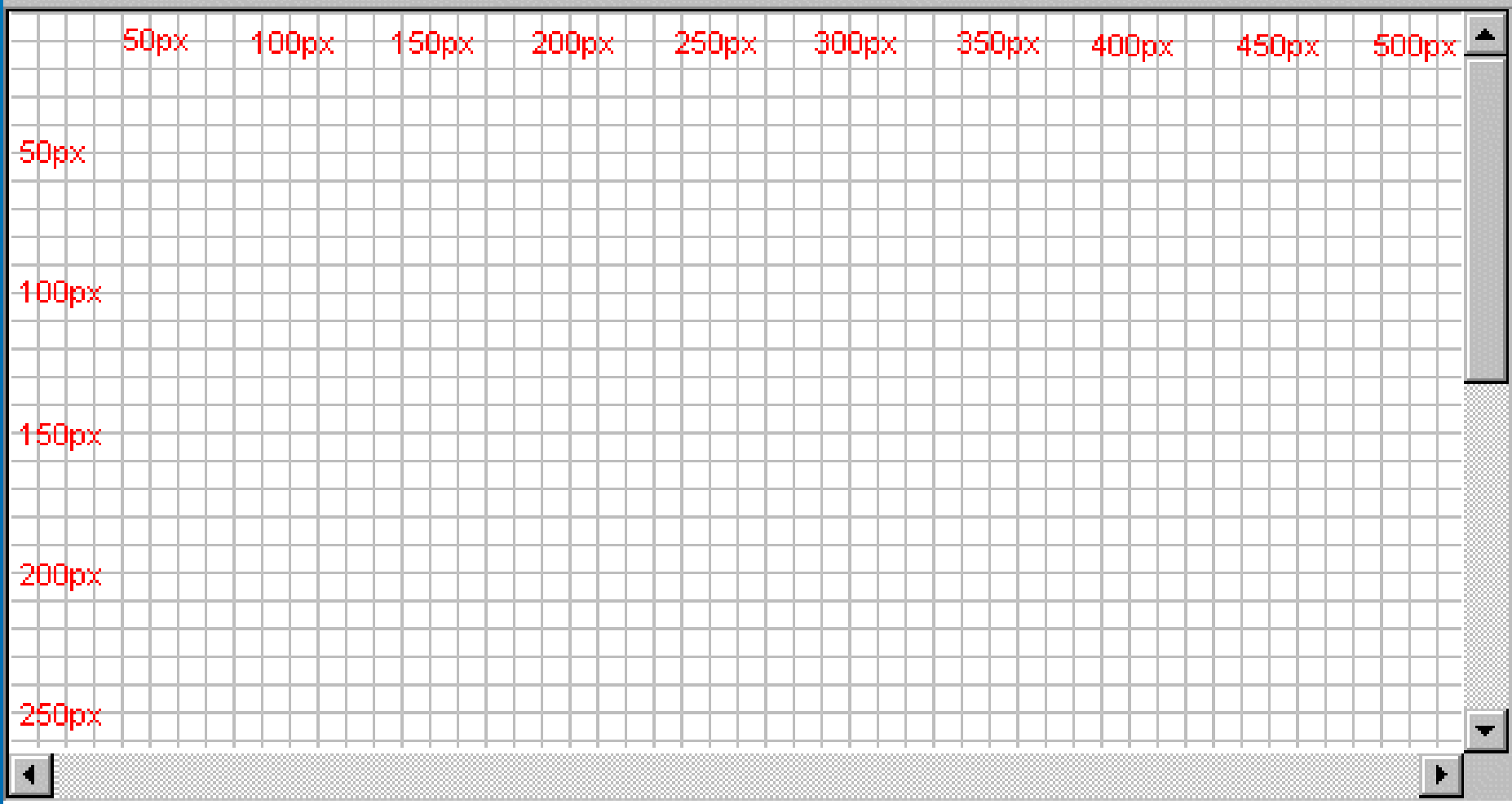
Haec disserens
qua de re agatur
et in quo causa
consistat non
videt...

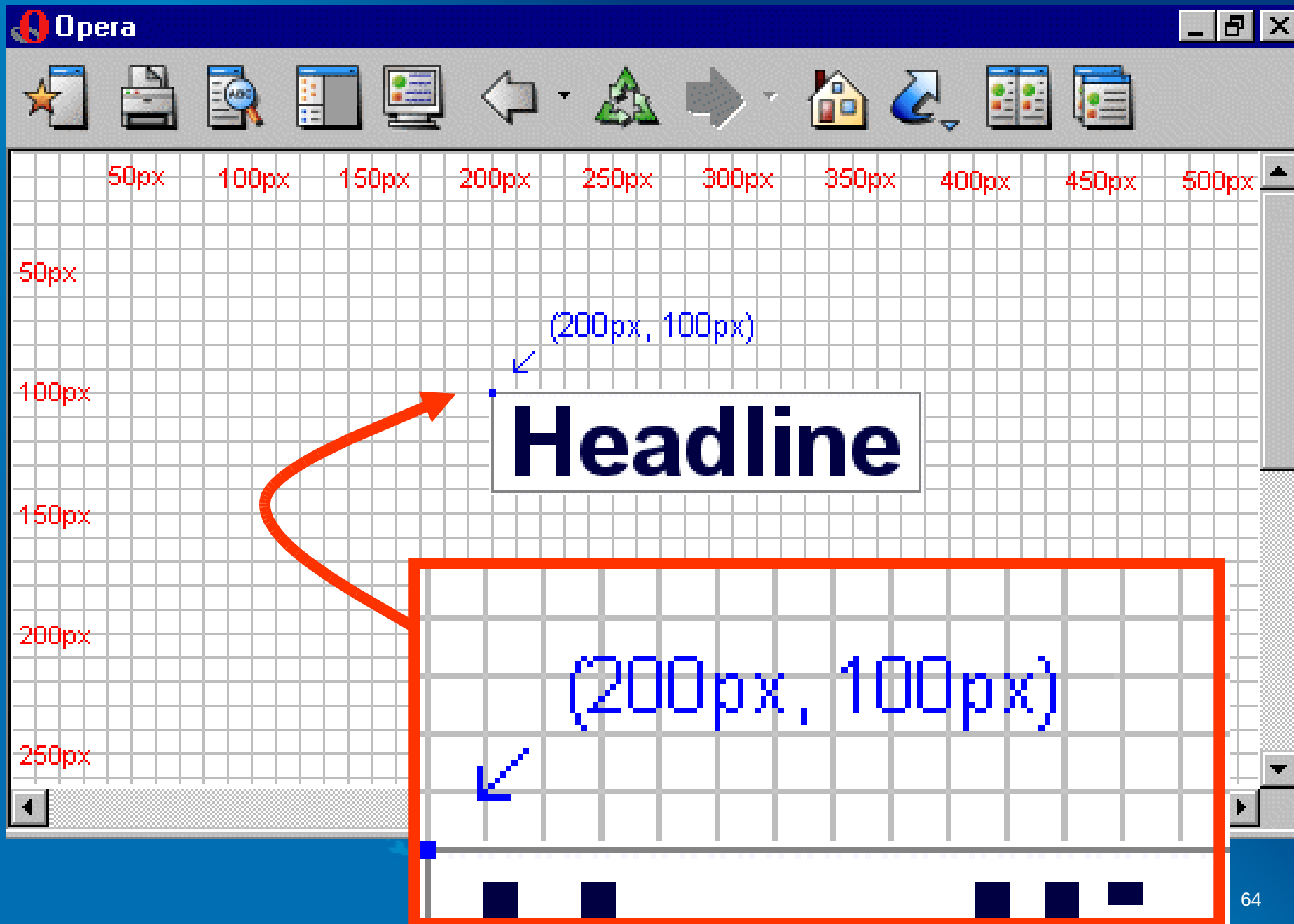
causas naturales
et antecedentes,
idcirco etiam
nostrarum
voluntatum...

nam nihil esset in
nostra potestate
si res ita se
haberet...

Posisi Elemen

- ▶ CSS dapat digunakan untuk meletakkan sebuah di koordinat sesuai dengan keinginan desainer web
 - Absolute
 - Relative





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```
h1 { position:absolute;  
top: 100px;  
left: 200px; }
```

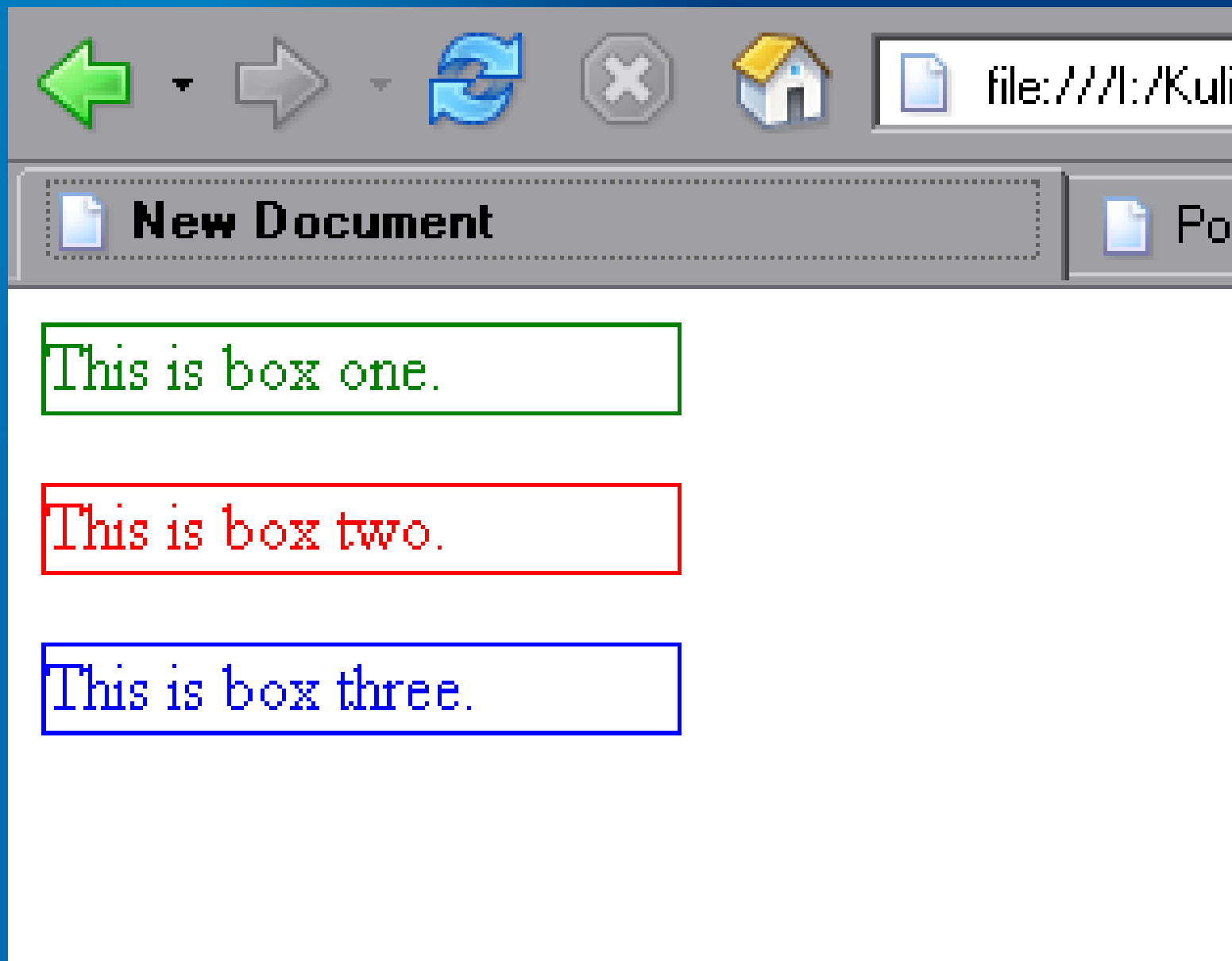
Relative


- ▶ `<P ID="one">This is box one.</P>`
- ▶ `<P ID="two">This is box two.</P>`
- ▶ `<P ID="three">This is box three.</P>`

1

- ▶ P#two {
- ▶ color: red;
- ▶ top: 50px;
- ▶ left: 10px;
- ▶ width: 150px;
- ▶ border-width: 1px;
- ▶ border-style: solid;
- ▶ }

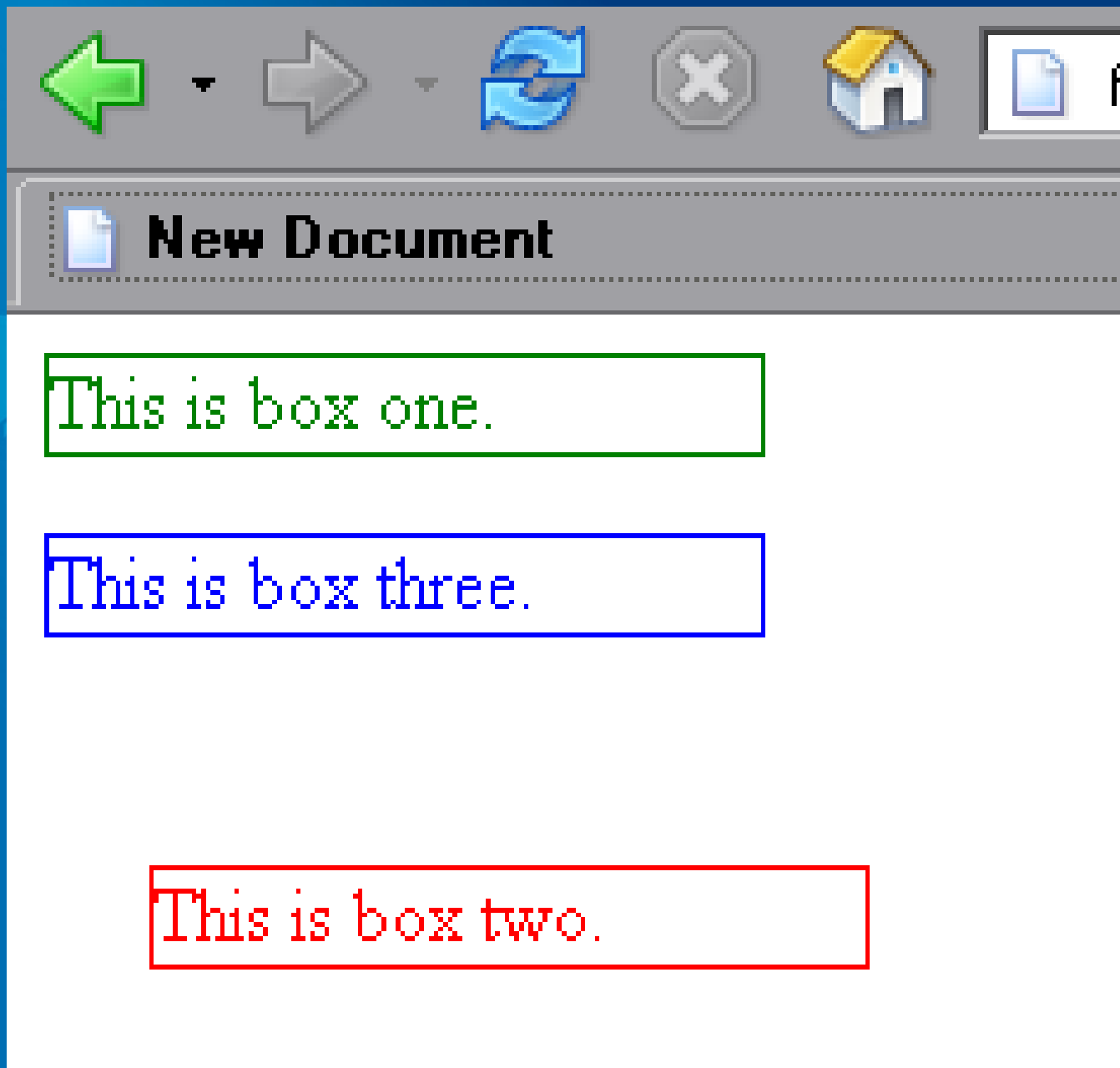
- ▶ P#one {
- ▶ color: green;
- ▶ width: 150px;
- ▶ border-width: 1px;
- ▶ border-style: solid;
- ▶ }
- ▶ P#three {
- ▶ color: blue;
- ▶ width: 150px;
- ▶ border-width: 1px;
- ▶ border-style: solid;
- ▶ }






- ▶ P#two {
- ▶ position: absolute;
- ▶ color: red;
- ▶ top: 100px;
- ▶ left: 30px;
- ▶ width: 150px;
- ▶ border-width: 1px;
- ▶ border-style: solid;
- ▶ }

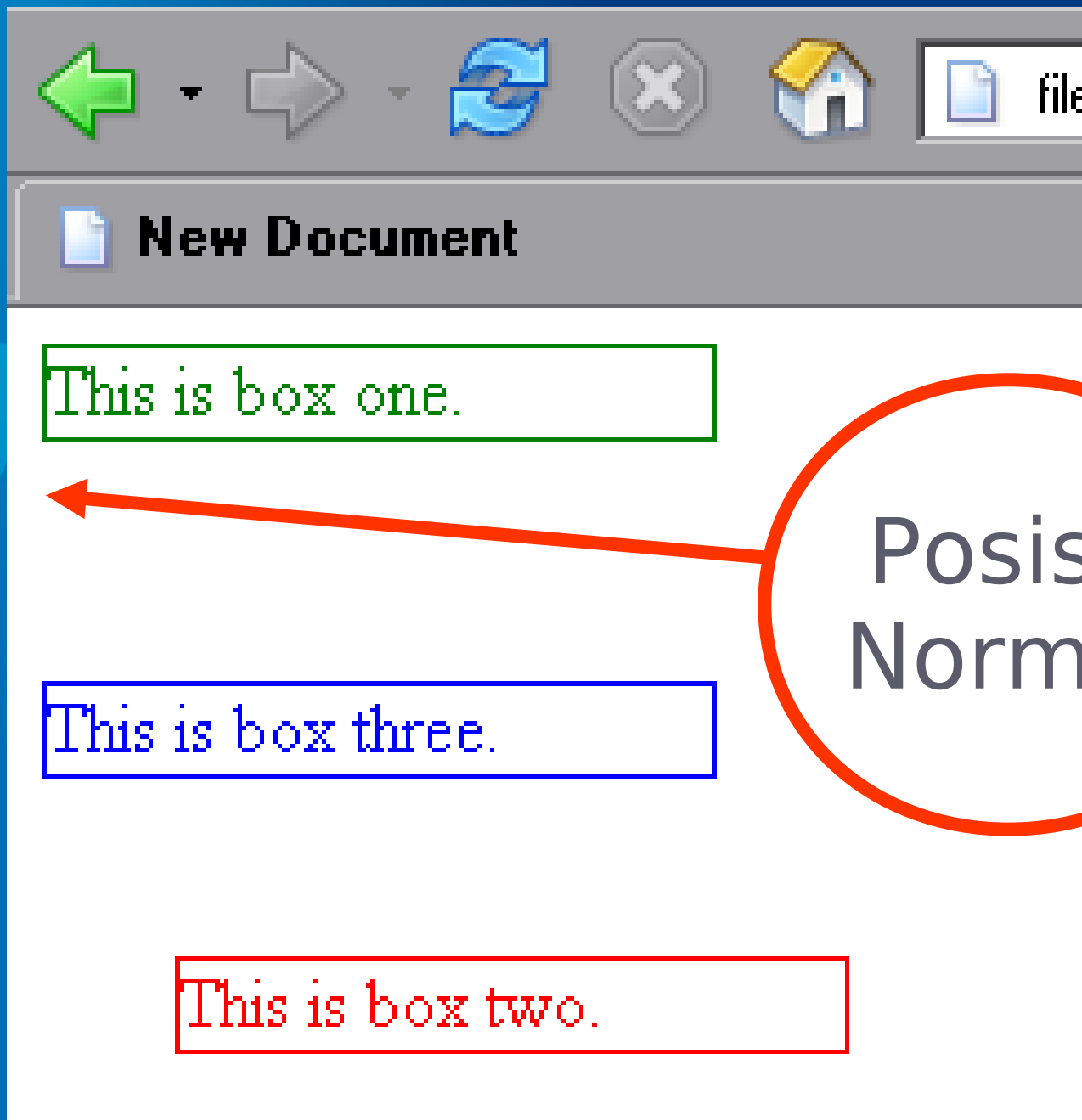
- ▶ P#one {
- ▶ color: green;
- ▶ width: 150px;
- ▶ border-width: 1px;
- ▶ border-style: solid;
- ▶ }
- ▶ P#three {
- ▶ color: blue;
- ▶ width: 150px;
- ▶ border-width: 1px;
- ▶ border-style: solid;
- ▶ }

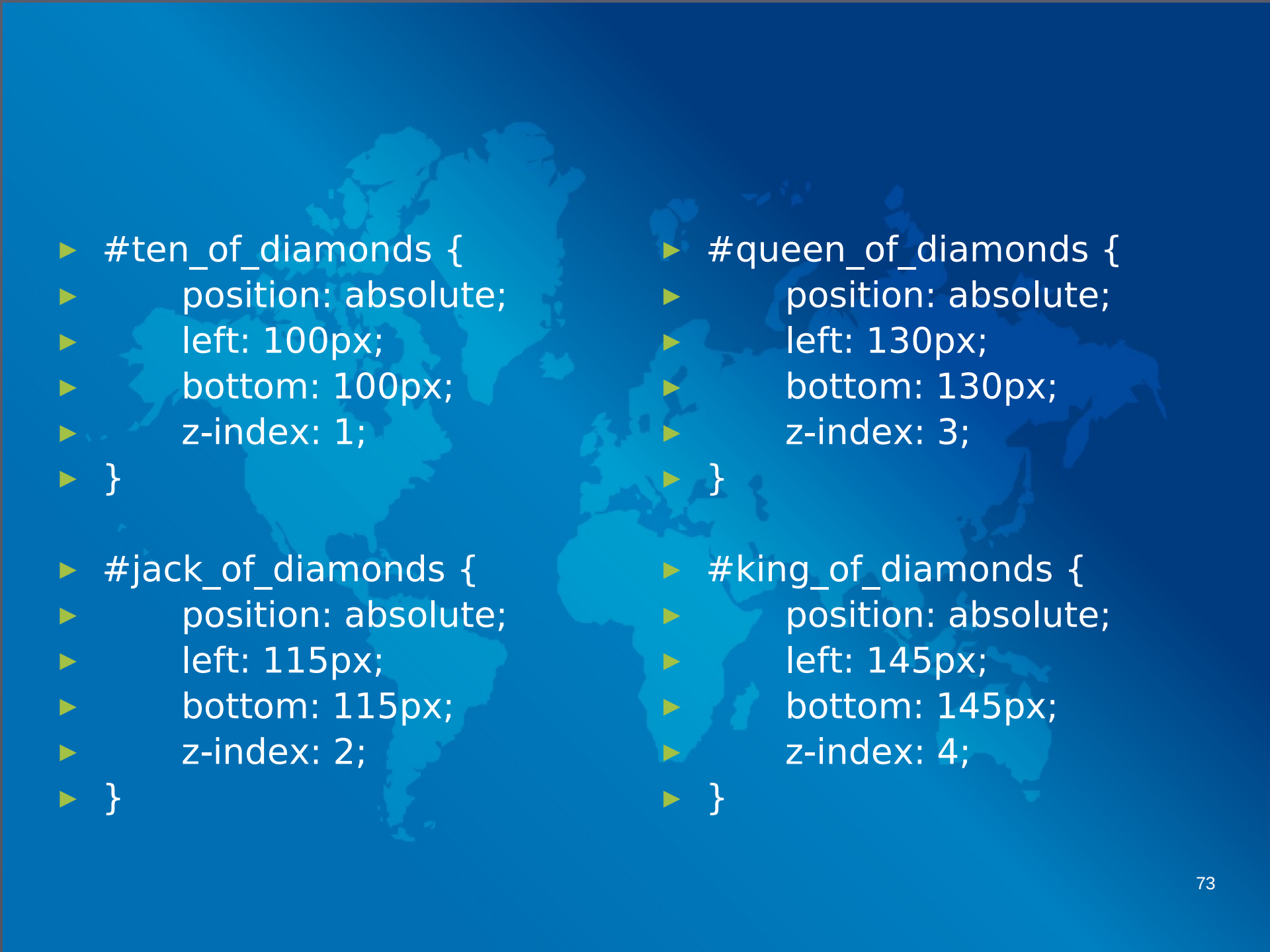


A faint, light blue world map is visible in the background of the slide, centered behind the text.

- ▶ P#two {
- ▶ position: relative;
- ▶ color: red;
- ▶ top: 100px;
- ▶ left: 30px;
- ▶ width: 150px;
- ▶ border-width: 1px;
- ▶ border-style: solid;
- ▶ }

- ▶ P#one {
- ▶ color: green;
- ▶ width: 150px;
- ▶ border-width: 1px;
- ▶ border-style: solid;
- ▶ }
- ▶ P#three {
- ▶ color: blue;
- ▶ width: 150px;
- ▶ border-width: 1px;
- ▶ border-style: solid;
- ▶ }



A faint, light blue world map is visible in the background of the slide, centered behind the text.

- ▶ #ten_of_diamonds {
- ▶ position: absolute;
- ▶ left: 100px;
- ▶ bottom: 100px;
- ▶ z-index: 1;
- ▶ }

- ▶ #jack_of_diamonds {
- ▶ position: absolute;
- ▶ left: 115px;
- ▶ bottom: 115px;
- ▶ z-index: 2;
- ▶ }

- ▶ #queen_of_diamonds {
- ▶ position: absolute;
- ▶ left: 130px;
- ▶ bottom: 130px;
- ▶ z-index: 3;
- ▶ }

- ▶ #king_of_diamonds {
- ▶ position: absolute;
- ▶ left: 145px;
- ▶ bottom: 145px;
- ▶ z-index: 4;
- ▶ }

A faint, light blue world map is visible in the background of the slide, centered on the Atlantic Ocean. The map shows the outlines of the continents in a darker shade of blue.

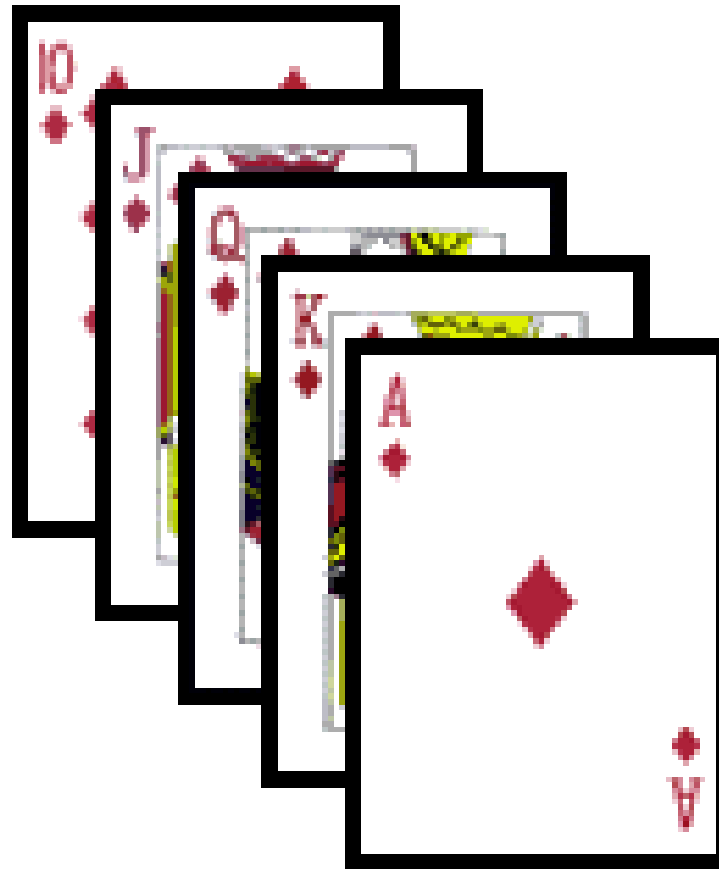
- ▶ `#ace_of_diamonds`
`{`
- ▶ `position:`
`absolute;`
- ▶ `left: 160px;`
- ▶ `bottom: 160px;`
- ▶ `z-index: 5;`
- ▶ `}`

- ▶ `<div id="jack_of_diamonds">`
- ▶ ``
- ▶ `</div>`

- ▶ `<div id="queen_of_diamonds">`
- ▶ ``
- ▶ `</div>`

- ▶ `<div id="king_of_diamonds">`
- ▶ ``
- ▶ `</div>`

- ▶ `<div id="ace_of_diamonds">`
- ▶ ``
- ▶ `</div>`



Blog

<http://dess.if.upnyk.ac.id>