



New ICT Tecnologies

World Wibe Web

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The reasons behind the success of the Web

- » Digitization of information
 - Any information encoded as a sequence of 0s and 1s
- » Spread of the Internet (since the 1970s)
 - Transport of information anywhere, in a very short time and at very low cost
- » Diffusion of PCs (since the 80s)
 - Access, storage and processing of information by anyone at very low cost)
- » "User friendly" interfaces







World Wide Web (WWW)

"I just had to take the hypertext idea and connect it to the TCP and DNS ideas and — ta-da!— the World Wide Web."



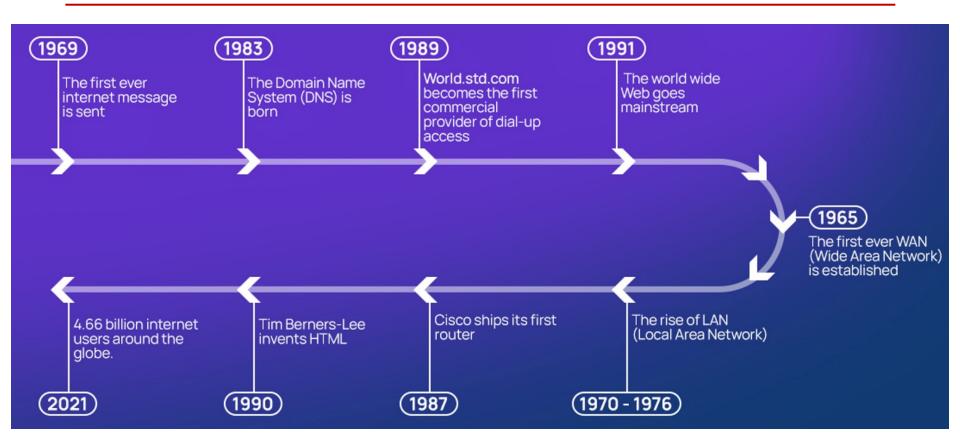
Tim Berners-Lee (born 8 June) is the inventor of the World Wide Web and director of the World Wide Web Consortium, which oversees its continued development





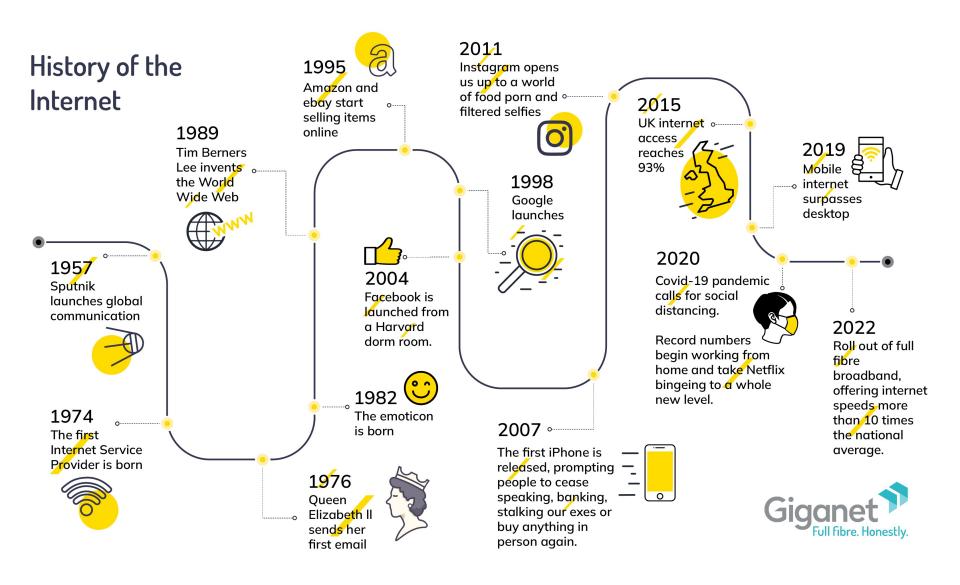


World Wide Web (WWW)













World Wide Web (WWW)

- » The World Wide Web (WWW or Web) is an information system that enables content sharing over the Internet through user-friendly ways meant to appeal to users beyond IT specialists and hobbyists.
- » It allows documents and other web resources to be accessed over the Internet according to specific rules of the Hypertext Transfer Protocol (HTTP)





Ingredients of the Web

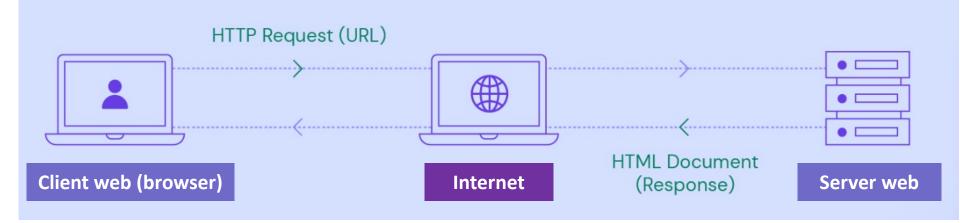
- » Communication and naming mechanisms of the Internet
 - TCP/IP Protocol Stack and DNS System
- » Client-server system
- » "Only" three new standards
 - URL: Resource Addressing System
 - HTML: Hypertext Markup Language
 - HTTP: Protocol for Resource Requests







Request for a web resource







HTTP protocol

» HyperText Transmission Protocol (HTTP) is the protocol that allows the retrieval of Web resources



- » It is a request/reply application protocol
- All web clients and web servers must support the HTTP protocol in order to exchange requests and responses.
 - For this reason, Web clients and servers are also called HTTP clients and HTTP servers





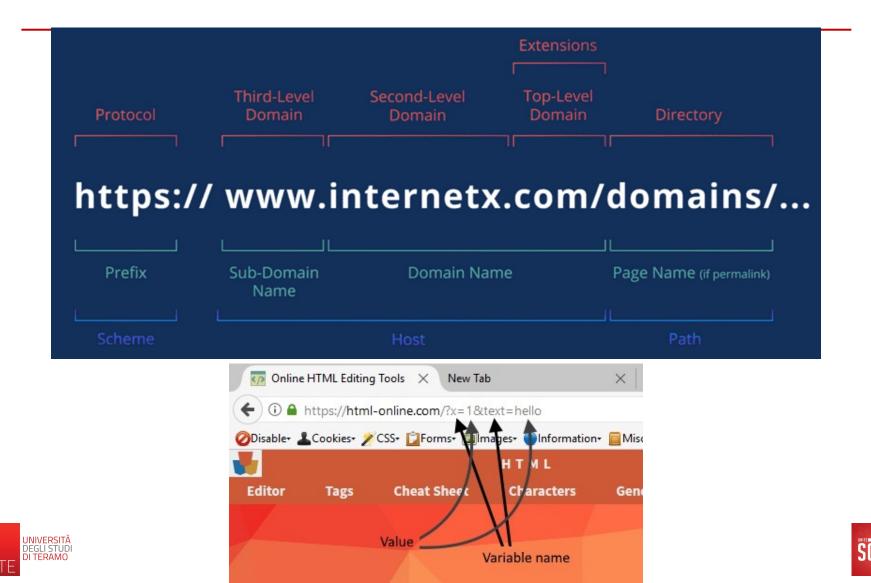
HTTP protocol

- 1. The browser prompts you to open a connection to the web server
- 2. If possible, the Web server accepts the connection from the client. Once the connection is opened, various text-based HTTP messages are exchanged between the browser and the Web server "to reach an agreement"
- 3. After that, the client asks for the first file which is typically the "container file"
- 4. Once the container file is obtained, the client checks if there are any "embedded objects" and requests them one at a time (there can be as many as 60-80 files of embedded objects)
- 5. When finished, there is closing the connection



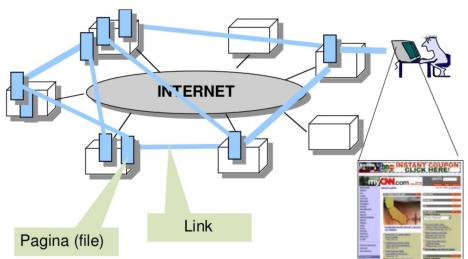


Universal Resource Locator (URL)



Describe a web page

- » Server stores the source file
 - Describes the page to be displayed
- » The browser creates and displays the image
 - starting from the file that contains the description (source file)
 - can adapt the image to the characteristics of the monitor of the device used





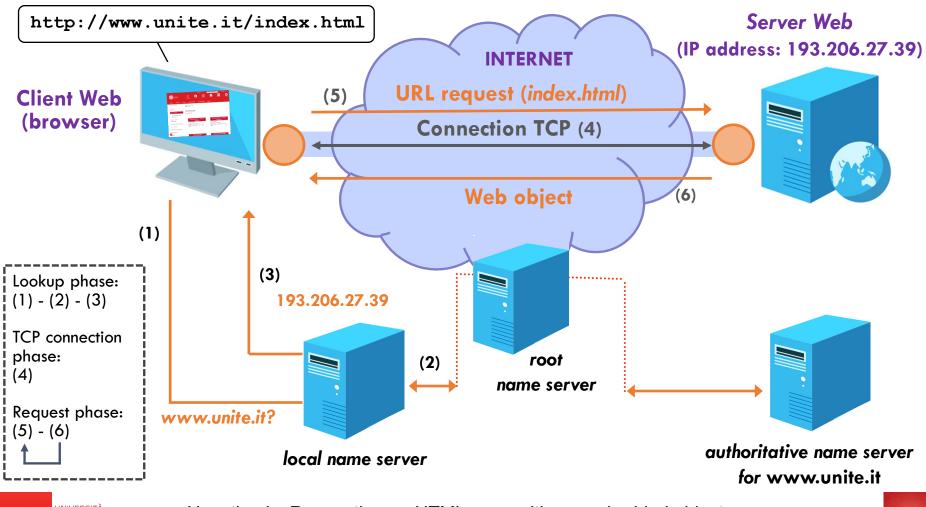




https://www.unite.it/UniTE/Didattica/Corsi_di_studio

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Requesting a Web Resource



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Hypothesis: Requesting an HTML page with no embedded objects



Markup language: HTML

- » Two " problems "
 - What I present
 - How I present it
- » On the web, text content and text presentation rules are placed in the same file
- » To allow the correct display of the information on any computer connected to the Internet, a new markup language has been defined for the formatting of pages
- » To this day, the markup language, HyperText Markup Language (HTML), remains the "language of the Web"





HyperText Markup Language (HTML)

- » Describes the structure and layout of Web pages
- » Margins
- » Font
- » Paragraph style
- » Location of images, ...







HTML Tutorial

HTML HOME

HTML Introduction HTML Editors HTML Basic **HTML Elements HTML Attributes HTML Headings** HTML Paragraphs HTML Styles **HTML** Formatting **HTML Quotations HTML** Comments HTML Colors HTML CSS **HTML Links** HTML Images **HTML** Tables HTML Lists HTML Blocks **HTML Classes** HTML Id

HTML Tutorial

K Home

 $\ensuremath{\mathsf{HTML}}$ is the standard markup language for Web pages.

With HTML you can create your own Website.

HTML is easy to learn - You will enjoy it!

Examples in Every Chapter

This HTML tutorial contains hundreds of HTML examples.

With our online HTML editor, you can edit the HTML, and click on a button to view the result.

https://www.w3schools.com/tags/ref_byfunc.asp



HTML Iframes



Next >

HTML Instructions

- » The description of the contents of the hypertext is carried out by inserting within the text itself some instructions called *markups* or *tags* that produce the specified visualizations and actions
- » HTML statements are enclosed in angle brackets, in the form <tag>, and are terminated by a closing tag in the shape </tag>

```
<CENTER>
<B>
<FONT="Arial"> <FONT COLOR="#336633"> <FONT SIZE=+1>
Informazioni generali
</FONT> </FONT> </FONT>
</B>
</CENTER>
```





HTML formatting

- » Lines of source code do not match what is displayed
- » HTML code tells the browser how to produce the formatted page
 - based on the meaning of the tags
 - not to the appearance of the source code







Well-structured form

- » Makes it easy
 - Comprehension
 - Maintenance
- » Tags for a paragraph of text

-





Spaces in Source Code

- » To facilitate readability
 - Spaces
 - Tabs
 - Wrap
- » Browser:
 - Transform sequences of multiple spaces into one before processing the HTML code
 - The only exception
 - » The text included in the tags and is always displayed as it appears in the source code

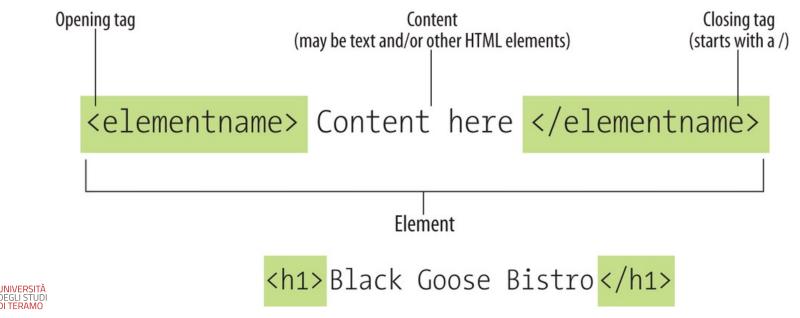






Format with tags

- Words or acronyms enclosed in angle brackets
 <>
- » They are used in pairs (opening and closing), e.g.: <title> </title>
- » Case-insensitive



HTML Documents

- » All HTML documents must start with a document type declaration: <!DOCTYPE html>
- » The HTML document itself begins with <html> and ends with </html>
- » The visible part of the HTML document is between <body> and </body>

html <html> <body></body></html>
<h1>My First Heading</h1>
My first paragraph.

My First Heading

My first paragraph.

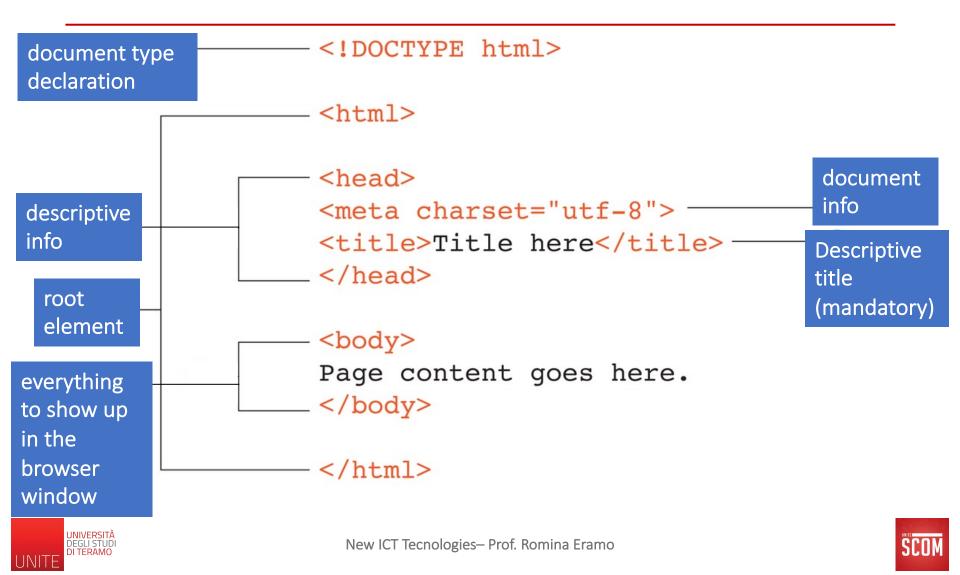
- » The <!DOCTYPE> declaration represents the document type, and helps browsers to display web pages correctly
- » It must only appear once, at the top of the page (before any HTML tags).
- » The <!DOCTYPE> declaration is not case sensitive.
- » The <!DOCTYPE> declaration for HTML5 is:

<!DOCTYPE html>

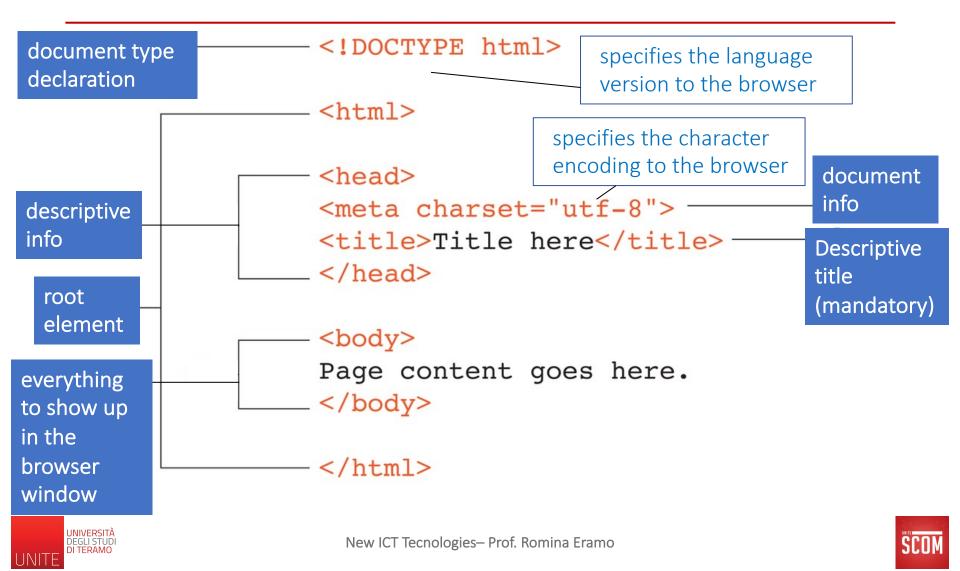




Basic HTML document structure



Basic HTML document structure



Exercise: Adding basic structure

- 1. Create and open a new document, *index.html*
- 2. Start by adding the HTML5 DOCTYPE declaration: <!DOCTYPE html>
- 3. Put the entire document in an HTML root element by adding an **<html>** start tag at the very beginning and an **</html>** end tag at the end of the text.
- 4. Next, create the document head that contains the title for the page. Insert <head> and </head> tags before the content. Within the head element, add information about the character encoding <meta charset="utf-8">, and the title, "Black Goose Bistro", surrounded by opening and closing <title> tags.
- 5. The correct terminology is to say that the **title** element is **nested** within the **head** element.
- 6. Finally, define the body of the document by wrapping the content in **<body>** and **</body>** tags. When you are done, the source document should look like this (the markup is shown in color to make it stand out):





Exercise: Adding basic structure

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Black Goose Bistro</title>
</head>
<body>
Black Goose Bistro
```

```
The Restaurant
The Black Goose Bistro offers casual lunch and dinner fare in a hip atmosphere. 7
```

Catering

You have fun... we'll do the cooking. Black Goose catering can handle events from Location and Hours Seekonk, Massachusetts; Monday through Thursday 11am to 9pm, F </body>



Exercise: Adding basic structure

7. Save the document in a directory of your filesystem. Open the file in the browser or hit "refresh" or "reload" if it is open already.

\varTheta 🔿 🕥 Black Goose Bistro 🛛 🗙 🗌				
$\leftrightarrow \Rightarrow \mathbf{C}$	☆ ~			
Black Goose Bistro The Restaurant The Black Goose Bistro offers casual lunch and dinner fare in a hip atmosphere. The menu changes regularly to highlight the freshest ingredients. Catering You have fun we'll handle the cooking. Black Goose Catering can handle events from snacks for bridge club to elegant corporate fundraisers. Location and Hours Seekonk, Massachusetts; Monday through Thursday 11am to 9pm, Friday and Saturday, 11am to midnight				

https://www.oreilly.com/library/view/learning-web-design/9781449337513/ch04.html





HTML Headings

» HTML headings are defined with the <h1> to <h6> tags

- <h1> defines the most important heading
- <h6> defines the least important heading

<!DOCTYPE html> <html> <body>

```
<h1>This is heading 1</h1></br><br/><h2>This is heading 2</h2></br><br/><h3>This is heading 3</h3></br><br/><h4>This is heading 4</h4></br><br/><h5>This is heading 5</h5></br><br/><h6>This is heading 6</h6>
```

Tip: Use h1 to h6 elements only for headings. Do not use them just to make text bold or big. Use other tags for that.

</body> </html>

This is heading 1

This is heading 2

This is heading 3

This is heading 4

This is heading 5

This is heading 6

Tip: Use h1 to h6 elements only for headings. Do not use them just to make text bold or big. Use other tags for that.

https://www.w3schools.com/tags/tryit.asp?filename=tryhtml_headers





Tag for bold

» Bold:
 bold body

<!DOCTYPE html> <html> <body>

<h1>The b element</h1>

This is normal text - and this is bold text.

</body>
</html>

The b element

This is normal text - and this is bold text.

https://www.w3schools.com/tags/tryit.asp?filename=tryhtml5_b





Tags for italics

```
» Italic: <i> </i> <i> body Italic </i>
```

```
<!DOCTYPE html>
<html>
<body>
```

```
<h1>The i element</h1>
```

```
He named his car <i>The lightning</i>, because it was very fast.
```

</body> </html>

The i element

He named his car The lightning, because it was very fast.

https://www.w3schools.com/tags/tryit.asp?filename=tryhtml5_i





Multiple formatting

» Multiple formatting can be applied at the same time

<!DOCTYPE html> <html> <body>

<h1>The i and the b elements</h1>

He named his <i>car</i> <i>d>The lightning</i>, because it was very fast.

</body>
</html>

The i and the b elements

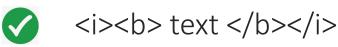
He named his car The lightning, because it was very fast.





The order of the tags

» Tags must be nested correctly, e.g.:









Single tags

» There are single tags that don't have closure

<hr/> Horizontal Separating Row

Line break

<!DOCTYPE html> <html> <body>

<h1>HTML</h1>HTML is a language for describing
web pages.

<hr/>

<h1>CSS</h1>CSS defines how to display HTML elements.

</body> </html>

HTML

HTML is a language for describing web pages.

CSS

CSS defines how to display HTML elements.





Strong and others

<!DOCTYPE html> <html> <body>

<h1>Phrase elements</h1>

Emphasized text

Strong text

<code>A piece of computer code</code>

<samp>Sample output from a computer program</samp>

<kbd>Keyboard input</kbd>

<var>Variable</var>

</body>
</html>

Phrase elements

Emphasized text Strong text A piece of computer code Sample output from a computer program Keyboard input Variable





Attributes in tags

- » They add additional directions to the tag
- » They are inside the angle brackets
 - E.g.: to align a text or image name

```
<!DOCTYPE html>
<html>
<body>
<h1>The img element</h1>
<img src="smiley.gif" alt="Smiley face" width="42" height="42">
</body>
</html>
<!DOCTYPE html>
<html>
<body>
<ht>The img element</h1>
<img src="smiley.gi" alt="Smiley face" width="42" height="42">
</body>
</html>
```

The img element

٣

The img element

Smiley face



https://www.w3schools.com/tags/tryit.asp?filename=tryhtml_image_test





Special characters

- » If our page contains a mathematical relationship such as
 0 r
- » The browser would interpret as a tag
 - displaying text incorrectly





Escape code

<!DOCTYPE html> <html> <body>

<h1>The escape code</h1>

Vediamo degli

Scorretto:

Corretto: < p >

Lettere	accentate:
<pre>è </pre>	
à	
<pre>é </pre>	
ñ	
ü	

</body> </html>

The escape code

Vediamo degli esempi

Scorretto:

Corretto:

Lettere accentate:

è à

> é ñ ü

Indicates Special Symbols "&" followed by a specific code and a semicolon



https://corsidia.com/materia/web-design/caratterispecialihtml



 » HTML colors are specified with predefined color names, or with RGB, HEX, HSL, RGBA, or HSLA values
 » Color Names

– In HTML, a color can be specified by using a color name:







- » Background Color
 - You can set the background color for HTML elements:

Hello World

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

Example

<h1 style="background-color:DodgerBlue;">Hello World</h1>Lorem ipsum...

https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_background





» Text Color

- You can set the color of text:

Hello World

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

Example

<h1 style="color:Tomato;">Hello World</h1> Lorem ipsum... Ut wisi enim...

https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_text





» Border Color

- You can set the color of borders:

Hello World Hello World Hello World

Example

<h1 style="border:2px solid Tomato;">Hello World</h1> <h1 style="border:2px solid DodgerBlue;">Hello World</h1> <h1 style="border:2px solid Violet;">Hello World</h1>

https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_border





Color Values

- » In HTML, colors can also be specified using RGB values, HEX values, HSL values, RGBA values, and HSLA values
- » (Example 1) The following three <div> elements have their background color set with RGB, HEX, and HSL values

rgb(255, 99, 71)
#ff6347
hsl(9, 100%, 64%)

- <h1 style="background-color:rgb(255, 99, 71);">...</h1>
- <h1 style="background-color:#ff6347;">...</h1>
- <h1 style="background-color:hsl(9, 100%, 64%);">...</h1>

https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_values





Color Values

- » In HTML, colors can also be specified using RGB values, HEX values, HSL values, RGBA values, and HSLA values
- » (Example 2) The following two <div> elements have their background color set with RGBA and HSLA values, which add an Alpha channel to the color (here we have 50% transparency):

rgba(255, 99, 71, 0.5)

hsla(9, 100%, 64%, 0.5)

<h1 style="background-color:rgba(255, 99, 71, 0.5);">...</h1><h1 style="background-color:hsla(9, 100%, 64%, 0.5);">...</h1>

https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_values



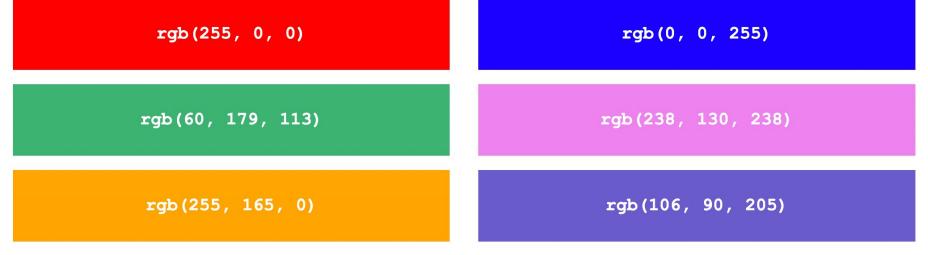


RGB and **RGBA** Colors

» An RGB color value represents RED, GREEN, and BLUE light sources

rgb(red, green, blue)

- Each parameter (red, green, and blue) defines the intensity of the color with a value between 0 and 255 \rightarrow 256 x 256 x 256 = 16777216 possible colors!



https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_rgb



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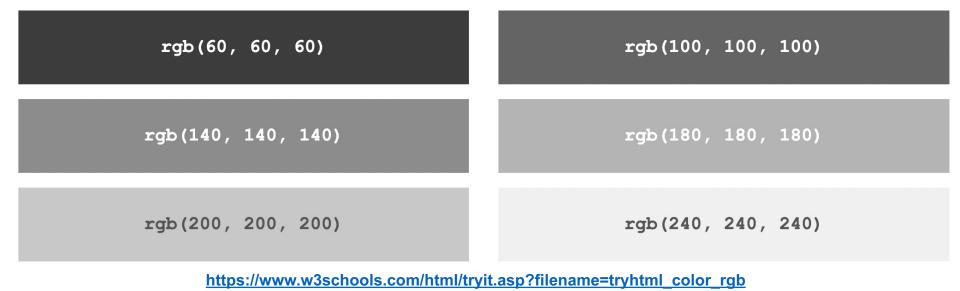


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RGB and **RGBA** Colors

» RGBA color values are an extension of RGB color values with an Alpha channel - which specifies the opacity for a color.

rgba(red, green, blue, alpha)



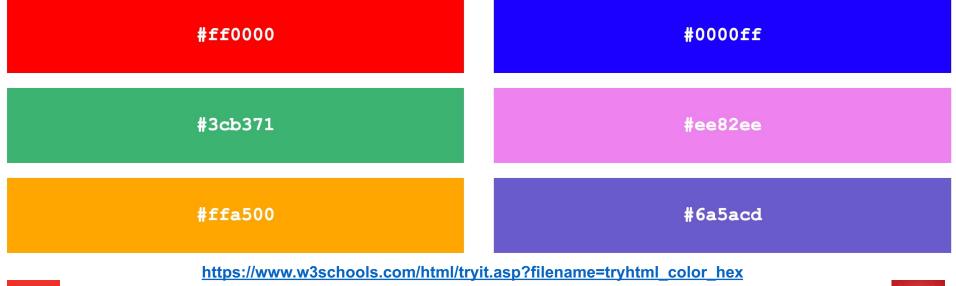
https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_rgba





HEX Colors

- » A hexadecimal color is specified with: #RRGGBB, where the RR (red), GG (green) and BB (blue) hexadecimal integers specify the components of the color
 #rrggbb
- Where rr (red), gg (green) and bb (blue) are hexadecimal values between 00 and ff (same as decimal 0-255)





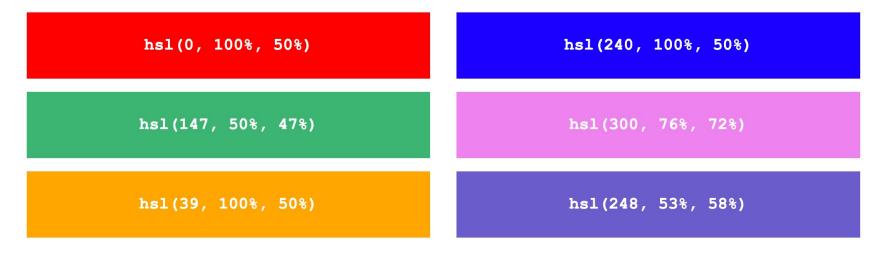
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» HSL stands for hue, saturation, and lightness

hsl(hue, saturation, lightness)

- Hue is a degree on the color wheel from 0 to 360. 0 is red, 120 is green, and 240 is blue.
- Saturation is a percentage value. 0% means a shade of gray, and 100% is the full color.
- Lightness is also a percentage value. 0% is black, and 100% is white.



https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_hsl



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» HSL stands for hue, saturation, and lightness

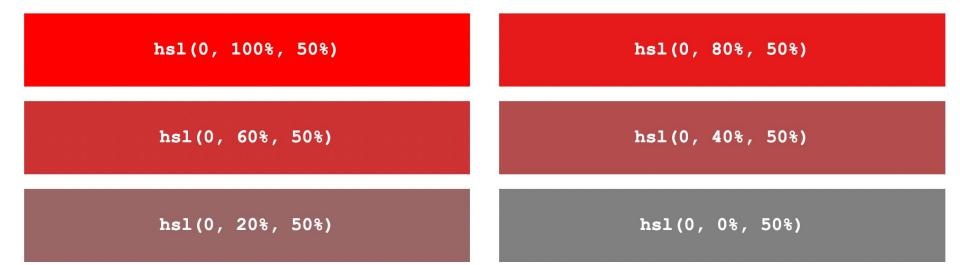
hsl(hue, saturation, lightness)

- Hue is a degree on the color wheel from 0 to 360. 0 is red, 120 is green, and 240 is blue.
- Saturation is a percentage value. 0% means a shade of gray, and 100% is the full color.
- Lightness is also a percentage value. 0% is black, and 100% is white.

hs	sl(0, 0%, 20%)	hsl(0, 0)%, 30%)
hs	sl(0, 0%, 4 0%)	hsl(0, 0)%, 60%)
hs	31(0, 0%, 70%)	hsl(0, 0)%, 90%)
	https://www.w3schools.com/html/t	ryit.asp?filename=tryhtml_color	<u>hsl</u>
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» *Saturation* can be described as the intensity of a color.

- 100% is pure color, no shades of gray
- 50% is 50% gray, but you can still see the color
- 0% is completely gray; you can no longer see the color



https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_hsl_saturation





» *Lightness* of a color can be described as how much light you want to give the color, where 0% means no light (black), 50% means 50% light (neither dark nor light), and 100% means full lightness (white).

hsl(0, 100%, 0%)	hsl(0, 100%, 25%)
hsl(0, 100%, 50%)	hsl(0, 100%, 75%)
hsl(0, 100%, 90%)	hsl(0, 100%, 100%)

https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_hsl_lightness

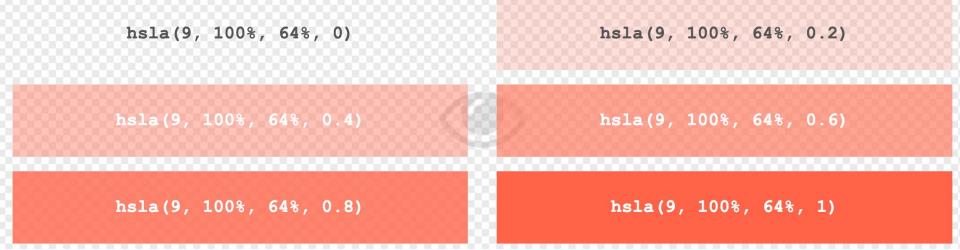




» HSLA color values are an extension of HSL color values, with an Alpha channel - which specifies the opacity for a color

hsla(hue, saturation, lightness, alpha)

» The alpha parameter is a number between 0.0 (fully transparent) and 1.0 (not transparent at all)



https://www.w3schools.com/html/tryit.asp?filename=tryhtml_color_hsla





Cascade Style Sheet (CSS)

- » Cascading Style Sheets (CSS) is used to format the layout of a webpage
- » CSS saves a lot of work. It can control the layout of multiple web pages all at once
- » Examples of managed elements:
 - color, font, size of text, spacing between elements
 - how elements are positioned and laid out
 - what background images or background colors are to be used
 - different displays for different devices and screen sizes

-

https://www.w3schools.com/html/html_css.asp





Using CSS

» CSS can be added to HTML documents in 3 ways:

- Inline by using the style attribute inside HTML elements
- Internal by using a <style> element in the <head> section
- External by using a <link> element to link to an external CSS file

https://www.w3schools.com/html/html_css.asp







Inline CSS

- » An inline CSS is used to apply a unique style to a single HTML element.
- » An inline CSS uses the style attribute of an HTML element.

```
<!DOCTYPE html>
<html>
<body>
<h1 style="color:blue;">A Blue Heading</h1>
A red paragraph.
</body>
</body>
</html>
```

A Blue Heading

A red paragraph.

https://www.w3schools.com/html/tryit.asp?filename=tryhtml_css_inline







Inline CSS: style attribute

- » The *style* attribute specifies an inline style for an element.
- » The style attribute will override any style set globally, e.g. styles specified in the <style> tag or in an external style sheet.
- » Several properties, e.g., color, dimension, position, ...

HTML Element Name	Property	Value	Property	Value
<div style="</td"><td>"margin:</td><td>Зрх;</td><td>text-align</td><td>center"></td></div>	"margin:	Зрх;	text-align	center">
Style Attribute	Style Dec	laration	Style De	claration





Inline CSS: style attribute

```
<!DOCTYPE html>
<html>
<head>
<style>
h1 {color:red;}
p {color:blue;}
</style>
</head>
<body style="background-color : black; color : white">
```

```
<h1>This is a heading</h1>
This is a paragraph.
Stile diverso solo per questa
occorrenza di p
Torniamo allo stile definito nell'header
```

```
<h1 style="text-align : center; color : yellow; font-
family : arial"> Differente heading</h1>
```

```
Questo è il body
```

</body> </html>

This is a heading

This is a paragraph.

Torniamo allo stile definito nell'header

Differente heading

Questo è il body





Internal CSS

- » An internal CSS is used to define a style for a single HTML page.
- » An internal CSS is defined in the <head> section of an HTML page, within a <style> element.

```
<!DOCTYPE html>
<html>
<head>
<style>
body {background-color: powderblue;}
h1 {color: blue;}
p {color: red;}
</style>
</head>
<body>
```

<h1>This is a heading</h1>This is a paragraph.

</body> </html>

https://www.w3schools.com/html/tryit.asp?filename=tryhtml_css_internal

This is a heading

This is a paragraph.

External CSS

- » An external style sheet is used to define the style for many HTML pages.
- » To use an external style sheet, a link is added in the <head> section of each HTML page

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="styles.css">
</head>
<body>
```

<h1>This is a heading</h1>This is a paragraph.

</body> </html>

This is a heading

This is a paragraph.

https://www.w3schools.com/html/tryit.asp?filename=tryhtml_css_external







External CSS

- » The external style sheet can be written in any text editor. The file must not contain any HTML code, and must be saved with a .css extension.
- » Here is what the "styles.css" file looks like:

```
"styles.css":
```

```
body {
   background-color: powderblue;
}
h1 {
   color: blue;
}
p {
   color: red;
}
```





Lists

```
<!DOCTYPE html>
<html>
<body>
<h1>The ol and ul elements</h1>
The ol element defines an ordered list:
<ol>
 Coffee
 Tea
 Milk
The ul element defines an unordered list:
Coffee
 Tea
 Milk
</body>
</html>
```

The ol and ul elements

The ol element defines an ordered list:

1. Coffee 2. Tea

3. Milk

The ul element defines an unordered list:

- Coffee
- Tea
- Milk

https://www.w3schools.com/tags/tryit.asp?filename=tryhtml_list_test





Ordered, unordered, nested lists

<!DOCTYPE html> <html> <body>

```
<h1>The ul element within an ol element</h1>
```

```
Coffee
Tea
Tea
Coffee
Tea
Tea
Milk
Milk
```

The ul element within an ol element

1. Coffee 2. Tea • Coffee • Tea • Milk 3. Milk





Tables

```
<!DOCTYPE html>
<html>
<head>
<style>
table, th, td {
    border: 1px solid black;
}
</style>
</head>
<body>
```

```
<h1>The table element</h1>
```



```
MonthSavings<tt>JanuaryJanuary$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100$100<
```

The table element

Month	Savings
January	\$100
February	\$80

https://www.w3schools.com/tags/tryit.asp?filename=tryhtml_table_test





- » The <div> element is used as a container for other HTML element
 - <div> is by default a block element, meaning that it takes all available width, and comes with line breaks before and after

<!DOCTYPE html> <html> <body>

```
<h1>Multiple DIV Elements</h1>
```

```
<div style="background-color:#FFF4A3;">
     <h2>London</h2>
     London is the capital city of England.
     London has over 13 million inhabitants.
</div>
```

```
<div style="background-color:#D9EEE1;">
    <h2>Rome</h2>
    Rome is the capital city of Italy.
    Rome has almost 3 million inhabitants.
</div>
```

```
CSS styles are added to make it easier to separate the divs, and to make them more pretty:)
```

</body> </html>

Multiple DIV Elements

L	0	n	d	0	n	
4	0	n	d	0	n	

London is the capital city of England.

London has over 13 million inhabitants.

Oslo

Oslo is the capital city of Norway.

Oslo has over 600.000 inhabitants.

Rome

Rome is the capital city of Italy.

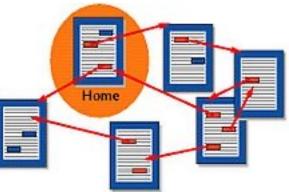
Rome has almost 3 million inhabitants.

CSS styles are added to make it easier to separate the divs, and to make them more pretty:)

https://www.w3schools.com/html/html_div.asp

Links \rightarrow Hyperlinks

- » Links are found in nearly all web pages and allow users to click their way from page to page
- » Hyperlinks: you can click on a link and jump to another document
- The most innovative instruction of HTML is the anchor delimited by the <a> tag, as this element allows you to transform normal text into multimedia hypertext.
- » An anchor can refer to a section of the same page or to any resource (textual, multimedia, executable) on the Web, denoted by a URL that must be inserted within the anchor tag







Links: syntax

link text

- » The most important attribute of the <a> element is the href attribute, which indicates the link's destination.
- » The link text is the part that will be visible to the reader

html <html> <body></body></html>	HTML Links
<h1>HTML Links</h1>	Visit W3Schools.com!
W W3Schools.com!	isit
 	The text Visit W3Schools.com! is displayed differently and is a symbolic link that can be clicked on with the mouse.

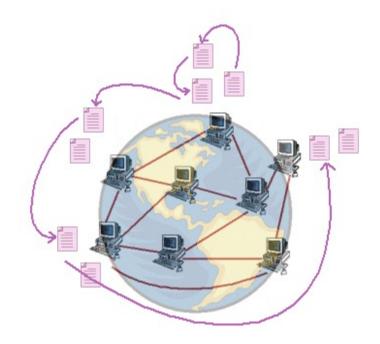


https://www.w3schools.com/html/tryit.asp?filename=tryhtml_links_w3schools



<a> allows hypermediality on a geographical scale with consequences ...

<u>Disruptive consequences</u> <u>from a historical and</u> <u>Social</u>: information does not It is more organized into rigid hierarchical schemes (e.g., catalogs librarians, classifications), but It can be accessed via a "link" created by people, companies, organizations...

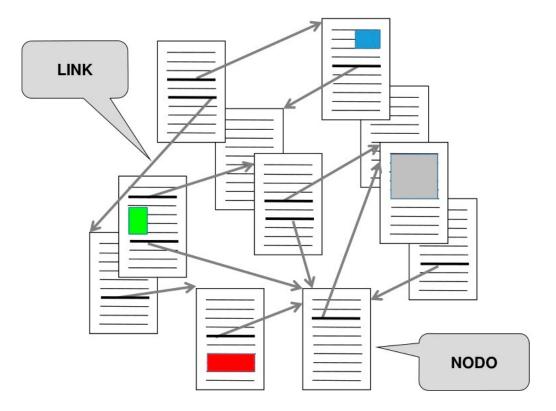


Each link inserted between one web page and another determines A new way of accessing information





Hypertext



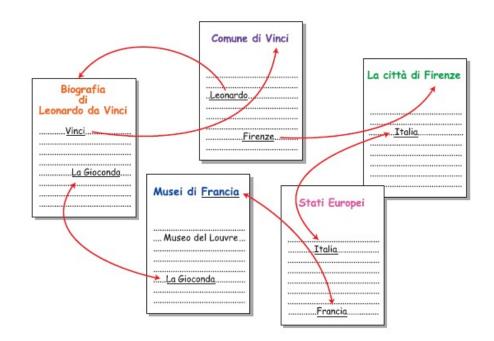






Hypertext

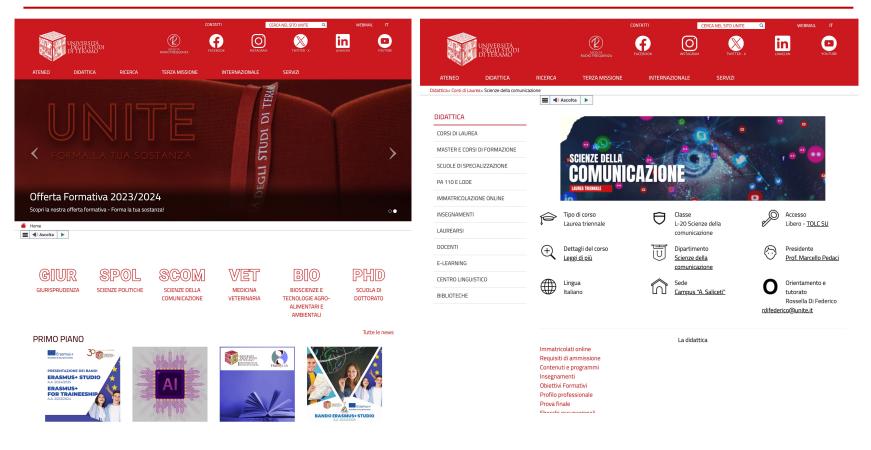
- » Documents with non-sequential organization
 - non-linear documents
- » Link
 - allows you to
 "connect" the parts of
 a hypertext







Typical web resource



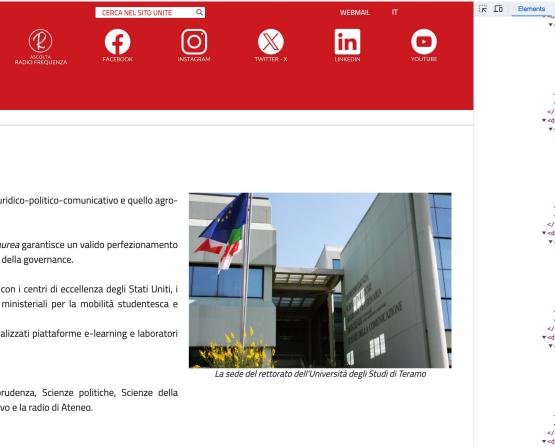
https://www.unite.it/

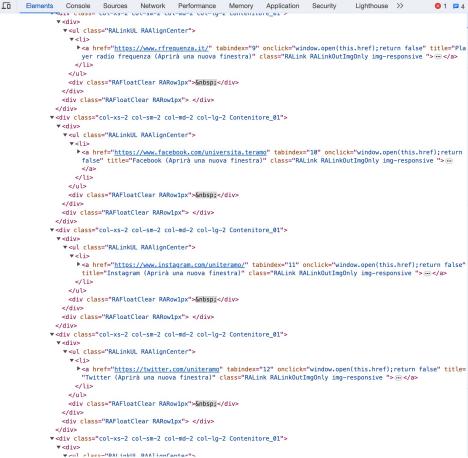
https://www.unite.it/UniTE/Didattica/C orsi_di_studio/Scienze_della_comuni cazione_23_24





Typical web resource









L'Università degli Studi di Teramo

L'Università degli Studi di Teramo conta 5 Dipartimenti, 24 Corsi di laurea, 19 Master, 7 Scuole di Specializzazione. Due i centri di eccellenza: quello giuridico-politico-comunicativo e quello agro-bio-veterinario. Dai saperi di questi punti di forza, sono nati, in raccordo con il mondo del lavoro, segmenti formativi innovativi.

La ricerca ha ottenuto risultati concreti che hanno permesso di costruire una rete di relazioni strettissime in campo scientifico. La formazione *post laurea* garantisce un valido perfezionamento degli studi in diverse aree: da quella delle



La sede del rettorato dell'Università degli Studi di Teramo

<dl style="width:480px" class="RAImmagine img-responsive RAFloatRight RAIMGSpacerLeft">..../dl>
</dl>
</dl>
</dl>

▼

7 Scuole di Specializzazione.

" Due i centri di eccellenza: quello giuridico-politico-comunicativo e quello agro-bio-veterinario. Dai saperi di questi punti di forza, sono nati, in raccordo con il mondo del lavoro, segmenti formativi innovativi."

▼

"La ricerca ha ottenuto risultati concreti che hanno permesso di costruire una rete di relazioni strettissime in campo scientifico. La formazione "

post laurea

" garantisce un valido perfezionamento degli studi in diverse aree: da quella delle professioni legali a quelle economiche, sociali, della comunicazione, del management, della sanità animale e della governance."



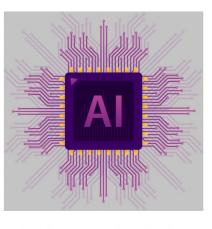
PRIMO PIANO



Presentazione bandi Erasmus+

Bando Erasmus+ Studio a.a. 2024/2025 12 febbraio 2024

Ore 10.00 - Sala delle Lauree -Polo "G. D'Annunzio"



Ciclo di seminari "La sfida dell'Intelligenza Artificiale nei settori della comunicazione"

Dipartimento di Scienze della comunicazione gennaio - maggio 2024 Il lunedì ore 17.00/19.00 Piattaforma GoogleMeet

a, .RALink:link, .RALink:visited { style 0.css?v=6:76 background-color: transparent; outline: > none !important; color: ##CC181F; font-size: 18px: } a { bootstrap.min.css:5 color: #337ab7; text-decoration: > none; } a { bootstrap.min.css:5 background color: _____transparent; } * { bootstrap.min.css:5 webkit box sizing: border box; -moz-box-sizing: border-box; box-sizing: border-box; } a:-webkit-any-link { user agent stylesheet color: webkit link: cursor: pointer; text decoration: > underline; Inherited from div.col-xs-12.col-sm-12.co. #NewsHome .row > [class*='col-'], #InfoUtili .row > style_0.css?v=6:12172 [class*='col-'] { display: flex; flex-direction: column; () margin-bottom: 30px;

▼<div class="col-xs-12 col-sm-12 col-md-12 col-lg-12"> flex

<div class="RAElencoCanali RAEC02 elem_2 row_even RAEC2 ateneo">

<a title="Ciclo di seminari "La sfida dell'Intelligenza Artificiale nei settori della comunicazione""
href="https://www.unite.it/UniTE/Home/Dipartimento di Scienze della comunic...ri La sfida dell Intelligenza Artif
iciale nei settori della comunicazione " tabindex="0">

<img src="https://www.unite.it/UniTE/Immagini/Banner/AI.png" alt="Ciclo di seminari "La sfida dell'Intell
igenza Artificiale nei settori della comunicazione"" title="Ciclo di seminari "La sfida dell'Intelli
genza Artificiale nei settori della comunicazione"" width="500" height="500" class=" img-responsive">







Exercises

HTML Quiz



Next >

You can test your HTML skills with W3Schools' Quiz.

The Test

The test contains 40 questions and there is no time limit.

The test is not official, it's just a nice way to see how much you know, or don't know, about HTML.

Count Your Score

You will get 1 point for each correct answer. At the end of the Quiz, your total score will be displayed. Maximum score is 40 points.







First steps towards creating a web page:

1. Download a free code editor

- Sublime Text
- Visual Studio code
- Notepad ++
- See more examples here: <u>https://www.tecnobabele.com/i-9-</u> migliori-editor-di-codice-gratuiti-per-scrivere-la-tua-primaapp/2020-10-23/
- 2. Create a index.html file
 - Copy the content from one of the examples in these slides
 - Open it with your favorite browser and view it







Textbooks and references

- » Fluency, Conoscere e usare l'informatica, Lawrence Snyder, Alessandro Amoroso, Paerson (6/ed. or 7/ed.)
 - Capitoli: Definire l'Information Techology, Il funzionamento delle reti, Introduzione a HTML5, Trovare informazioni sul Web
- » https://www.w3schools.com/
 - Tutorials: HTML, CSS
 - Approfondimento: Learning Web App Development, Semmy Purewal, 2014, O'Reilly Media





