Universitatea Tehnică din Cluj-Napoca
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Cap.4

IMPLEMENTARE INTERFETE GRAFICE. LIMBAJUL HTML5

Curs: PIGMC, Master an II, sem I

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4.1. Introducere

Limbaje specifice pentru realizarea de interfete grafice web :

❑ HTML (HyperText Markup Language)

❑ CSS (Cascading Style Sheets)

❑ JavaScript

❑ XML (eXtensible Markup Language)

❑ XHTML (eXtensible HyperText Markup Language)

http://www.w3schools.com/

HTML

Paginile Web
- fisiere cu extensia *.htm* sau *.html*
- dimeniuni mici → reducere trafic de retea si spatiu pe server
- se pot dezvolta utilizand:
    editoare de text simple:
    - **Notepad** , Notepad ++ (Windows), etc sau
    - **TextEdit** (Mac)
    - **Kompozer, Bootstrap,etc**
    sau editoare comerciale:
    - **Adobe Dreamweaver, MS FrontPage,** etc

HTML
- limbaj pentru crearea documentelor web structurate
- are la baza tag-uri /etichete

    <nume_tag> text, imagini**, ...** ***</nume_tag>***

Tutoriale HTML : http://www.w3schools.com/html/
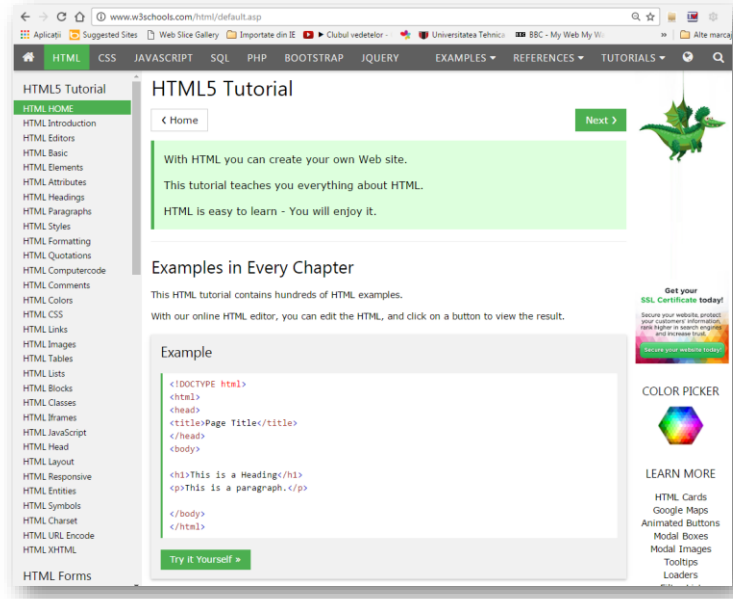
4.2. Tag-uri (etichete) HTML 5

A Simple HTML Document

Example

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```
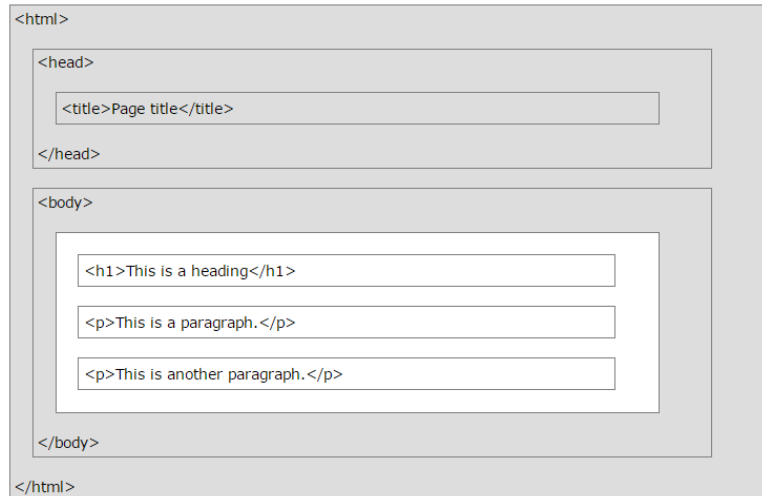
Example Explained

- The `<!DOCTYPE html>` declaration defines this document to be HTML5
- The `<html>` element is the root element of an HTML page
- The `<head>` element contains meta information about the document
- The `<title>` element specifies a title for the document
- The `<body>` element contains the visible page content
- The `<h1>` element defines a large heading
- The `<p>` element defines a paragraph

HTML Page Structure

Below is a visualization of an HTML page structure:

```
<html>
    <head>
        <title>Page title</title>
    </head>
    <body>
            <h1>This is a heading</h1>
            <p>This is a paragraph.</p>
            <p>This is another paragraph.</p>
    </body>
</html>
```

Note: Only the content inside the <body> section (the white area above) is displayed in a browser.

Alte etichete/tag-uri HTML:

Etichetă HTML	Descriere
TITLE	Specifică titlul întregului document și este inclus în secțiunea de antet. Textul din cadrul acestei etichete este utilizat de către navigator pentru a denumi fereastra în care este prezentat documentul.
LINK	Definește o legătură către un document extern (ex. CSS, alt fișier HTML) care poate fi utilizat de către navigator în afișarea informațiilor sau în navigare. Acest element este inclus în secțiunea de antet.
SCRIPT	Permite includerea în cadrul documentului a unor instrucțiuni de programare complexe ce pot fi executate de către navigator. Aceste instrucțiuni pot fi grupate într-un document extern, ce va fi descărcat separat, sau incluse direct în documentul curent. Limbajul de programare cel mai uzual în prezent este **JavaScript**. Elementele de script pot fi incluse în oricare dintre secțiunile documentului iar execuția lor poate fi imediată (execuția are loc în momentul în care scriptul este complet încărcat, chiar dacă o parte a documentului nu a fost încă primită) sau declanșată de anumite evenimente (acțiuni utilizator, finalizarea încărcării documentului etc.).

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Alte etichete/tag-uri HTML:

STYLE	Permite includerea în cadrul documentului a unor instrucţiuni de formatare CSS. Conform recomandărilor de bună practică însă, este indicat ca specificaţiile CSS să fie incluse într-un document extern, dedicat.
H1, H2, H3, H4, H5, H6	Sunt etichete de tip bloc, care pot fi incluse numai în corpul documentului şi sunt folosite pentru a structura conţinutul în secţiuni şi sub-secţiuni. Recomandările de bună-practică menţionează că un document ar trebui să conţină un singur element de tip H1.
DIV	Element de tip *bloc* folosit pentru gruparea conţinutului într-o secţiune rectangulară.
P	Etichetă de tip *bloc* pentru separarea paragrafelor din cadrul unui text.
A	Etichetă repezentată *în linie* pentru inserarea unei legături externe sau interne documentului curent.

Alte etichete/tag-uri HTML:

SPAN	Etichetă repezentată *în linie* pentru formatări specifice conţinutului de tip text.
FORM, INPUT, LABEL	Etichete pentru descrierea formularelor în cadrul unui document HTML. • FORM are rolul de grupare a elementelor de tip INPUT şi este o etichetă de tip *bloc* • INPUT descrie generic fiecare dintre elementele disponibile pentru realizarea unui formular, tipul exact fiind specificat prin atributul TYPE • LABEL specifică un titlu asociat cu un element de tip INPUT

Structura documente HTML

Structura unui document HTML (pagina web) cuprinde:

❑ **Prima linie** –informatii despre versiunea de limbaj utilizata

❑ **Sectiunea antet** – informatii generale despre document

❑ **Corpul documentului** –continut efectiv

```html
<!DOCTYPE html>
<HTML>
    <HEAD>
        <TITLE>My first HTML document</TITLE>
    </HEAD>
    <BODY>
        <P>Hello world!</P>
    </BODY>
</HTML>
```

Pot sa lipseasca dar e e indicat sa fie incluse in documente web

In HTML5 tag-urile <html>, <body>, <head> pot fi omise.

```html
<!DOCTYPE html>
<title>Page Title</title>

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

Linie noua se introduce cu

```html
<!DOCTYPE html>
<html>
<body>
<p>To break lines<br>in a text,<br>use the br element.
</p>
</body>
</html>
```

To break lines
in a text,
use the br element.

Sectiunea antet: <HEAD>

Elemente componente sectiunea <HEAD>:

- ❑ **<title>** defineste titlul documentului in toolbar (browser), titlu este adaugat la "Favorites", si este textul afisat in motoarele de cautare
- ❑ **<style>** defineste stilul de afisare a paginii si obiectelor din pagina in browser
- ❑ **<base>** specifica URLde baza pentru toate URL-urile relative din document
- ❑ **<link>** specifica legaturi externe pentru foi de stiluri de ex.
- ❑ **<meta>** specifica metadate, informatii despre document utile in motoarele de cautare
- ❑ **<script>** este utilizat pentru definirea unui script client-side (de ex. JavaScript sau PHP pentru manipulare imagini , validare formulare. Poate sa apara si in <BODY>
- ❑ **<noscript>** ofera un text alternativ pentru utilizatorii care au dezactivat executarea script-urilor in browser sau au o versiune de browser care nu suporta scriprturile.

<HEAD><TITLE>

```html
<!DOCTYPE html>
<html>
<head>
<title>Title of the document</title>
</head>
<body>
The content of the document......
</body>
</html>
```

<HEAD><STYLE>

```html
<head>
<style>
h1 {color:red;}
p {color:blue;}
</style>
</head>
```

<HEAD><BASE HREF>

```
<head>
  <base href="https://www.w3schools.com/images/" target="_blank">
</head>
```

<HEAD><LINK>

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

<HEAD><META>

```
<head>
  <meta charset="UTF-8">
  <meta name="description" content="Curs PIGMC">
  <meta name="keywords" content="HTML,CSS,XML,JavaScript">
  <meta name="author" content="Laura Grindei">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
```

<HEAD><SCRIPT><NOSCRIPT>

```
<script>
document.write("Hello World!")
</script>
<noscript>Your browser does not support JavaScript!</noscript>
```

<HEAD><VIEWPORT>

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

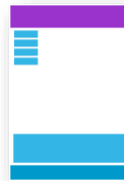**Without the viewport meta tag**   **With the viewport meta tag**

Responsive web design:

❑ Permite afisarea pe orice tip de display pe orice dispozitiv (inclusiv dispozitive mobile): desktop, tablete, telefoane

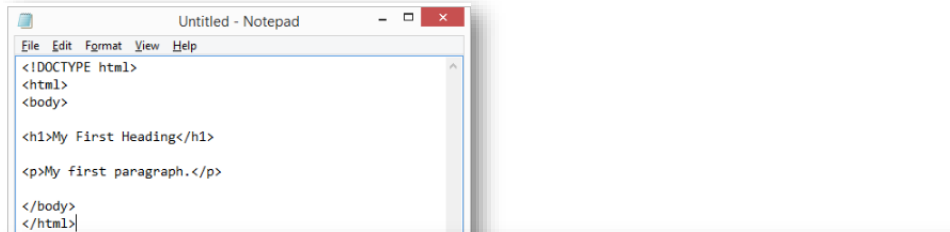❑ Utilizeaza doar HTML si CSS.

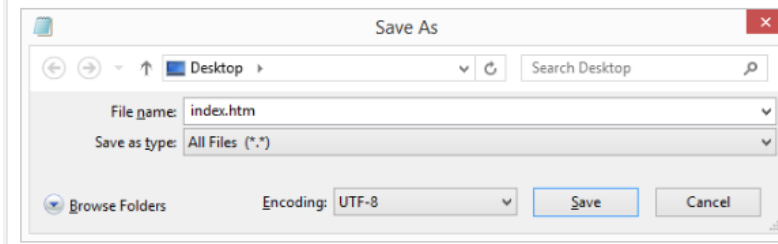Desktop   Tableta   Telefon mobil

Index.html

```
Untitled - Notepad                    –  □  ×
File  Edit  Format  View  Help
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

Save the file on your computer. Select **File > Save as** in the Notepad menu.

Name the file **"index.htm"** and set the encoding to **UTF-8** (which is the preferred encoding for HTML files).

```
Save As                                    ×
←  →  ↑  ■ Desktop  ▸          ∨  Ċ   Search Desktop        ₚ

File name:  index.htm                                    ∨
Save as type:  All Files (*.*)                           ∨

▼ Browse Folders    Encoding:  UTF-8  ∨    Save      Cancel
```

Exista **4 perechi de elemente uzuale intr-un document HTML**:

❑ **<HTML>...</HTML>** - inceputul si sfarsitul paginii web;
❑ **<HEAD>...</HEAD>** - titlul paginii web, afisat in bara de titlu a browser-ului;
❑ **<TITLE>...</TITLE>** - delimiteaza antetul paginii web;
❑ **<BODY>...</BODY>** - delimiteaza continut propiu-zis al paginii web.

```
<!DOCTYPE html>
<HTML>
    <HEAD>
        <TITLE>My first HTML document</TITLE>
    </HEAD>
    <BODY>
        <P>Hello world!</P>
    </BODY>
</HTML>
```

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Atribute HTML5

Atribute: perechi name/value , sintaxa: name="value"

❑ **href,** utilizat cu tagul <a> pentru specificare link

```
<a href="https://www.w3schools.com">This is a link</a>
```

❑ **src,** utilizat pentru imagini   `<img src="img_girl.jpg">`
❑ **width ,height, dimensiunea imaginii in pixeli**

```
<img src="img_girl.jpg" width="500" height="600">
```

❑ **alt,** text alternativ pentru screenreadere

```
<img src="img_girl.jpg" alt="Girl with a jacket">
```

❑ **style,** format
❑ **title**

```
<p style="color:red">Text</p>
<p title="I'm a tooltip">
This is a paragraph.
</p>
```

Hiperlegaturile (Hyperlinks) HTML:

❑ **legaturi interne** - **ancore** (in cadrul aceluiasi document, utile in cazul paginilor de lungimi mari si in care este necesara indicarea exacta a anumitor puncte din document).

❑ **legaturi locale** (catre un alt document situat pe acelasi calculator si director)

<A HREF="dir/doc.html">apasati aici </A>

❑ **legaturi externe** realizate intre servere distincte; apelarea se face prin referinta completa:

<A href="http://www.upt.ro/"> Text marcat evidentiat</A>

❑ **legaturi pentru email** (permit deschiderea clientului de email - Outlook, Thunderbird)

<A HREF="mailto:webmaster@www.numecompanie.com">Trimite eMail la Webmaster</A>

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Link-uri interne /ancore

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

<h2 id="C1">Chapter 1</h2>
<p>This chapter explains ba bla bla</p>
<p><a href="#C2">Jump to Chapter 2</a></p>

<h2 id="C2">Chapter 2</h2>
<p>This chapter explains ba bla bla</p>
<p><a href="#C3">Jump to Chapter 3</a></p>

<h2 id="C3">Chapter 3</h2>
<p>This chapter explains ba bla bla</p>
<p><a href="#C1">Jump to Chapter 1</a></p>

</body>
</html>
```

Chapter 1

This chapter explains ba bla bla

Jump to Chapter 2

Chapter 2

This chapter explains ba bla bla

Jump to Chapter 3

Chapter 3

This chapter explains ba bla bla

Jump to Chapter 1

Link-uri externe

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

<p><a href="html_images.asp">HTML
Images</a> is a link to a page on this
website.</p>

<p><a href="http://www.w3.org/">W3C</a>
is a link to a website on the World
Wide Web.</p>

</body>
</html>
```

HTML Images is a link to a page on this website.

W3C is a link to a website on the World Wide Web.

Link-uri la email: mailto

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

<p>
Email Laura:<a href="mailto:Laura.Grindei@ethm.utcluj.ro"
target="_top">Send Mail</a>
</p>
<p>
</body>
</html>
```

Email Laura: Send Mail

Link-uri colorate

```
<!DOCTYPE html>
<html>
<head>
<style>
a:link {
    color: green;
    background-color: transparent;
    text-decoration: none;
}
a:visited {
    color: pink;
    background-color: transparent;
    text-decoration: none;
}
a:hover {
    color: red;
    background-color: transparent;
    text-decoration: underline;
}
a:active {
    color: yellow;
    background-color: transparent;
    text-decoration: underline;
}
</style>
</head>
<body>

<p>You can change the default colors of links</p>

<a href="html_images.asp" target="_blank">HTML Images</a>

</body>
```

You can change the default colors of links

HTML Images

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Unde se afiseaza link-urile? Atribute target

The **target** attribute specifies where to open the linked document.

The target attribute can have one of the following values:

- _blank - Opens the linked document in a new window or tab
- _self - Opens the linked document in the same window/tab as it was clicked (this is default)
- _parent - Opens the linked document in the parent frame
- _top - Opens the linked document in the full body of the window
- framename - Opens the linked document in a named frame

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

<a href="http://www.w3schools.com/html/"
target="_blank">Visit our HTML tutorial!</a>

<p>If you set the target attribute to "_blank",
the link will open in a new browser window or
tab.</p>

</body>
</html>
```

Visit our HTML tutorial!

If you set the target attribute to "_blank", the link will open in a new browser window or tab.

4.3. Inserarea imaginilor. Stiluri de fonturi

❑ Daca poza se afla in folderul curent:*<img src="poza.jpg">*
❑ Daca poza se afla intr-un alt folder:*<img src="nume_folder/poza.jpg">*

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

<img src="html5.gif" alt="HTML5 Icon"
style="width:128px;height:128px;">

</body>
</html>
```
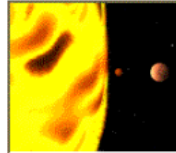
Utilizand style

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

<img src="html5.gif" alt="HTML5 Icon"
width="128" height="128">

</body>
</html>
```

Utilizand width si height

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Imagini clickable (image maps) : utilizand etichete <map> si <area>

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

<p>Click on the sun or on one of the planets
to watch it closer:</p>

<img src="planets.gif" alt="Planets"
usemap="#planetmap"
style="width:145px;height:126px;">

<map name="planetmap">
  <area shape="rect" coords="0,0,82,126"
alt="Sun" href="sun.htm">
  <area shape="circle" coords="90,58,3"
alt="Mercury" href="mercur.htm">
  <area shape="circle" coords="124,58,8"
alt="Venus" href="venus.htm">
</map>

</body>
</html>
```

Click on the sun or on one of the planets to watch it closer:

Link pe imagine

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

<p>The image is a link. You can click on it.</p>

<a href="default.asp">
  <img src="smiley.gif" alt="HTML tutorial"
style="width:42px;height:42px;border:0;">
</a>

<p>We have added "border:0" to prevent IE9 (and
earlier) from displaying a border around the
image.</p>

</body>
</html>
```

The image is a link. You can click on it.

We have added "border:0" to prevent IE9 (and earlier) from displaying a border around the image.

Imagini animate

-gif animat

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

<p>The GIF standard allows moving images.</p>

<img src="programming.gif" alt="Computer man"
style="width:48px;height:48px;">

</body>
</html>
```

The GIF standard allows moving images.

Imagini ca background: <body backround>

```
<!DOCTYPE html>
<html>
<body background="w3s.png">

<h1>Hello world!</h1>
<p><a href="https://www.w3schools.com">Visit W3Schools.com!
</a></p>
</body>
</html>
```

Hello world!

Visit W3Schools.com!

Atribute imagini - lista completa :

http://www.w3schools.com/tags/ref_attributes.asp

❑ **ALIGN**

ALIGN = TOP aliniaza imaginea cu partea cea mai de sus a

randului;

ALIGN = MIDDLE aliniaza imaginea cu mijlocul randului;

ALIGN = BOTTOM aliniaza imaginea cu partea de jos a

randului sau a celei mai mari imagini.

❑ **WIDTH**="…" si **HEIGHT**="…" –dimensiuni imagine

❑ **ALT** - permite afisarea unui sir de caractere in locul imaginii,
pentru persoane cu deficiente de vedere care utilizeaza screen
readers.

Alte atribute uzuale:

HTML Attributes

Below is an alphabetical list of some attributes often used in HTML:

Attribute	Description
alt	Specifies an alternative text for an image, when the image cannot be displayed
disabled	Specifies that an input element should be disabled
href	Specifies the URL (web address) for a link
id	Specifies a unique id for an element
src	Specifies the URL (web address) for an image
style	Specifies an inline CSS style for an element
title	Specifies extra information about an element (displayed as a tool tip)

Headings: se definesc cu <h1> (cel mai important) pana la <h6> (cel mai putin important)

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

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

</body>
</html>
```

Result Size: 311 x 873

This is heading 1

This is heading 2

This is heading 3

This is heading 4

This is heading 5

This is heading 6

Paragrafe: se definesc cu <p> </p> dar vor fi afisate corect si fara </p>

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

<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>

</body>
</html>
```

Result Size: 311 x 873

This is a paragraph.

This is a paragraph.

This is a paragraph.

Paragraf nou: se poate defini si cu
 (fara </br>)

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

<p>This is<br>a paragraph<br>with line
breaks</p>

</body>
</html>
```

This is
a paragraph
with line breaks

Text preformatat: se definesc cu <pre> </pre>

Afisare in browser: se ignora spatiile, tab-urile din text si linie noua
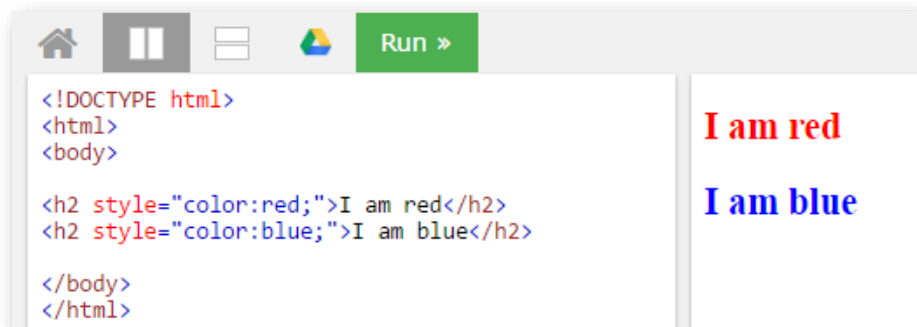
Eticheta <hr> - Horizontal rule: linie orizontala de separare a sectiunilor de text

4.4. Utilizare culori. Inserare tabele, frame-uri

Stiluri pentru culori HTML: style

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4.4. Utilizare culori. Inserare tabele, frame-uri

Stiluri pentru culori HTML: style

```
<!DOCTYPE html>
<html>
<body style="background-color:powderblue;">

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

</body>
</html>
```
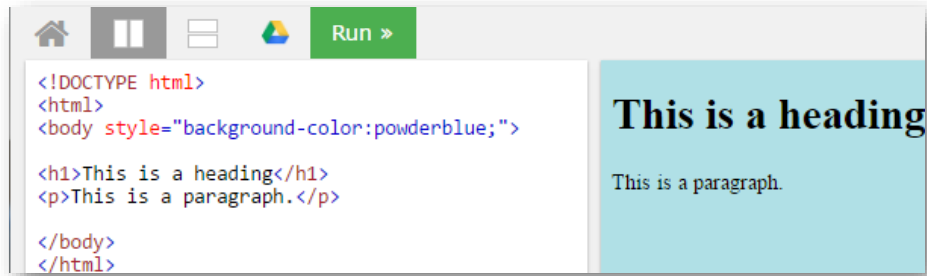
Stiluri pentru culori in HTML:

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

<h1 style="color:blue;">This is a heading</h1>
<p style="color:red;">This is a paragraph.</p>

</body>
</html>
```
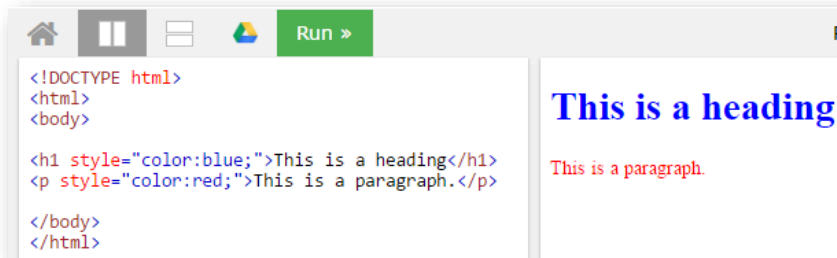
Stiluri pentru Fonturi in HTML:

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

<h1 style="font-family:verdana;">This is a
heading</h1>
<p style="font-family:courier;">This is a
paragraph.</p>

</body>
</html>
```

Culori de baza in HTML:

Color	Name
	Red
	Orange
	Yellow
	Cyan
	Blue

Alte culori si nuante

in HTML:

Color Name	HEX	Color	Shades
AliceBlue	#F0F8FF		Shades
AntiqueWhite	#FAEBD7		Shades
Aqua	#00FFFF		Shades
Aquamarine	#7FFFD4		Shades
Azure	#F0FFFF		Shades
Beige	#F5F5DC		Shades
Bisque	#FFE4C4		Shades
Black	#000000		Shades
BlanchedAlmond	#FFEBCD		Shades
Blue	#0000FF		Shades
BlueViolet	#8A2BE2		Shades
Brown	#A52A2A		Shades
BurlyWood	#DEB887		Shades
CadetBlue	#5F9EA0		Shades
Chartreuse	#7FFF00		Shades
Chocolate	#D2691E		Shades
Coral	#FF7F50		Shades
CornflowerBlue	#6495ED		Shades

Culori de baza in HTML: utilizand numele culorii

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

<h2 style="background-color:red">
Background-color set by using red
</h2>

<h2 style="background-color:orange">
Background-color set by using orange
</h2>

<h2 style="background-color:yellow">
Background-color set by using yellow
</h2>

<h2 style="background-color:blue;color:white">
Background-color set by using blue
</h2>

<h2 style="background-color:cyan">
Background-color set by using cyan
</h2>

</body>
</html>
```

Background-color set by using red

Background-color set by using orange

Background-color set by using yellow

Background-color set by using blue

Background-color set by using cyan

Culori de baza in HTML: utilizand codul RGB

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

<h2 style="background-color:#FF0000">
Background-color set by using #FF0000
</h2>

<h2 style="background-color:#00FF00">
Background-color set by using #00FF00
</h2>

<h2 style="background-color:#0000FF">
Background-color set by using #0000FF
</h2>

<h2 style="background-color:#FFFF00">
Background-color set by using #FFFF00
</h2>

<h2 style="background-color:#FF00FF">
Background-color set by using #FF00FF
</h2>

<h2 style="background-color:#00FFFF">
Background-color set by using #00FFFF
</h2>

</body>
</html>
```

Background-color set by using #FF0000

Background-color set by using #00FF00

Background-color set by using #0000FF

Background-color set by using #FFFF00

Background-color set by using #FF00FF

Background-color set by using #00FFFF

Stiluri pentru dimensiune fonturi in HTML:

Result Size: 412

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

<h1 style="font-size:300%;">This is a
heading</h1>
<p style="font-size:160%;">This is a paragraph.
</p>

</body>
</html>
```

This is a heading

This is a paragraph.

Stiluri pentru alinierea textului in HTML:

Result Size:

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

<h1 style="text-align:center;">Centered
Heading</h1>
<p style="text-align:center;">Centered
paragraph.</p>

</body>
</html>
```

Centered Heading

Centered paragraph.

Stiluri pentru formatarea textului in HTML:

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

<p><b>This text is bold</b></p>
<p><i>This text is italic</i></p>
<p>This is<sub> subscript</sub> and
<sup>superscript</sup></p>

</body>
</html>
```

This text is bold

This text is italic

This is subscript and superscript

Elemente de formatare HTML:

- <b> - Bold text
- <strong> - Important text
- <i> - Italic text
- <em> - Emphasized text
- <mark> - Marked text
- <small> - Small text
- <del> - Deleted text
- <ins> - Inserted text
- <sub> - Subscript text
- <sup> - Superscript text

Elementele <del> si <mark> in HTML:

Result Size:

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

<p>The del element represents deleted (removed)
text.</p>

<p>My favorite color is <del>blue</del> red.</p>

</body>
</html>
```

The del element represents deleted (removed) text.

My favorite color is ~~blue~~ red.

Result Size

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

<h2>HTML <mark>Marked</mark> Formatting</h2>

</body>
</html>
```

HTML Marked Formatting

Citarea unui text in HTML: <blockquote cite=""> , </blockquote>

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

<p>Here is a quote from WWF's website:</p>
<blockquote
cite="http://www.worldwildlife.org/who/index.htm
l">
For 50 years, WWF has been protecting the future
of nature.
The world's leading conservation organization,
WWF works in 100 countries and is supported by
1.2 million members in the United States and
close to 5 million globally.
</blockquote>

</body>
</html>
```

Result Size: 412

Here is a quote from WWF's website:

For 50 years, WWF has been protecting the future of nature. The world's leading conservation organization, WWF works in 100 countries and is supported by 1.2 million members in the United States and close to 5 million globally.

Citarea unui text scurt in HTML: <q>

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

<p>Browsers usually insert quotation marks
around the q element.</p>

<p>WWF's goal is to: <q>Build a future where
people live in harmony with nature.</q></p>

</body>
</html>
```

Result Size: 412

Browsers usually insert quotation marks around the q element.

WWF's goal is to: "Build a future where people live in harmony with nature."

Abrevieri in HTML: <abbr>

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

<p>The <abbr title="World Health
Organization">WHO</abbr> was founded in 1948.
</p>

<p>Marking up abbreviations can give useful
information to browsers, translation systems and
search-engines.</p>

</body>
</html>
```

The WHO was founded in 1948.

World Health Organization

Marking up abbreviations can give useful information to browsers, translation systems and search-engines.

Result Size: 412 x

Run »

Adrese in HTML: <address>

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

<p>The HTML address element defines contact
information (author/owner) of a document or
article.</p>

<address>
Written by John Doe.<br>
Visit us at:<br>
Example.com<br>
Box 564, Disneyland<br>
USA
</address>

</body>
</html>
```

The HTML address element defines contact information (author/owner) of a document or article.

Written by John Doe.
Visit us at:
Example.com
Box 564, Disneyland
USA

Adrese in HTML: <bdo dir="rtl">

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

<p>If your browser supports bi-directional
override (bdo), the next line will be written
from right to left (rtl):</p>

<bdo dir="rtl">This line will be written from
right to left</bdo>

</body>
</html>
```

If your browser supports bi-directional override (bdo), the next line will be written from right to left (rtl):

tfel ot thgir morf nettirw eb lliw enil sihT

Comentarii in HTML: <!--..-->

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

<!-- This is a comment -->
<p>This is a paragraph.</p>
<!-- Comments are not displayed in the
browser -->

</body>
</html>
```

This is a paragraph.

Tabelele : utilizand <table>, sunt editate rand cu rand si celula cu celula

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

<table style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
    <td>94</td>
  </tr>
  <tr>
    <td>John</td>
    <td>Doe</td>
    <td>80</td>
  </tr>
</table>

</body>
</html>
```

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80

Etichete tabele:

Tag	Description
<u>\<table\></u>	Defines a table
<u>\<th\></u>	Defines a header cell in a table
<u>\<tr\></u>	Defines a row in a table
<u>\<td\></u>	Defines a cell in a table
<u>\<caption\></u>	Defines a table caption
<u>\<colgroup\></u>	Specifies a group of one or more columns in a table for formatting
<u>\<col\></u>	Specifies column properties for each column within a \<colgroup\> element
<u>\<thead\></u>	Groups the header content in a table
<u>\<tbody\></u>	Groups the body content in a table
<u>\<tfoot\></u>	Groups the footer content in a table

Liste neordonate -bullets: \<ul\> si \<li\>

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

<h2>An unordered HTML list</h2>

<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>

</body>
</html>
```

An unordered HTML list

- Coffee
- Tea
- Milk

Liste ordonate -bullets: \<ol\> si \<li\>

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

<h2>An ordered HTML list</h2>

<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

</body>
</html>
```

An ordered HTML list

1. Coffee
2. Tea
3. Milk

Atribute liste ordonate :

Ordered HTML List - The Type Attribute

The **type** attribute of the <ol> tag, defines the type of the list item marker:

Type	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	The list items will be numbered with uppercase letters
type="a"	The list items will be numbered with lowercase letters
type="I"	The list items will be numbered with uppercase roman numbers
type="i"	The list items will be numbered with lowercase roman numbers

Liste imbricate:

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

<h2>A Nested List</h2>

<ul>
  <li>Coffee</li>
  <li>Tea
    <ul>
    <li>Black tea</li>
    <li>Green tea</li>
    </ul>
  </li>
  <li>Milk</li>
</ul>

</body>
</html>
```

A Nested List

- Coffee
- Tea
  - Black tea
  - Green tea
- Milk

Frame-uri : <iframe>

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

<iframe src="demo_iframe.htm" height="200"
width="300"></iframe>

</body>
</html>
```

This page is displayed in an iframe

Meniuri in HTML5 : <menu>, <menuitem>

Deocamdata se pot vizualiza doar in brosere Firefox.

Element	Chrome	Edge	Firefox	Safari	Opera
<menu>	Not supported	Not supported	8.0 (only context menus)	Not supported	Not supported

```
<menu type="context" id="mymenu">
  <menuitem label="Refresh" onclick="window.location.reload();"
icon="ico_reload.png">
  </menuitem>
  <menu label="Share on...">
    <menuitem label="Twitter" icon="ico_twitter.png"
    onclick="window.open('//twitter.com/intent/tweet?
text='+window.location.href);">
    </menuitem>
    <menuitem label="Facebook" icon="ico_facebook.png"
    onclick="window.open('//facebook.com/sharer/sharer.php?
u='+window.location.href);">
    </menuitem>
  </menu>
  <menuitem label="Email This Page"
  onclick="window.location='mailto:?body='+window.location.href;">
</menuitem>
</menu>
```

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Meniuri in HTML5 : <nav>

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

<nav>
<a href="/html/">HTML</a> |
<a href="/css/">CSS</a> |
<a href="/js/">JavaScript</a> |
<a href="/jquery/">jQuery</a>
</nav>

<p><strong>Note:</strong> The nav tag is
not supported in Internet Explorer 8 and
earlier versions.</p>

</body>
</html>
```

HTML | CSS | JavaScript | jQuery

Note: The nav tag is not supported in Internet Explorer 8 and earlier versions.

TEST

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