HTML

INF1802

Profa. Melissa Lemos



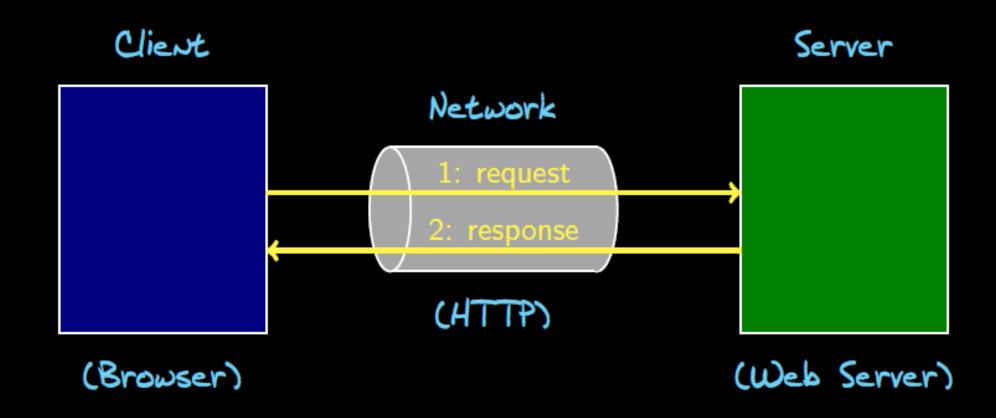
Outline

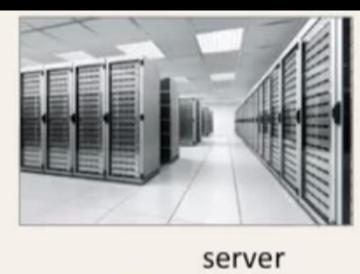
- HTML The language
- Hello World
- Main tags

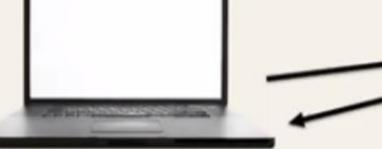
Reference

- W3Schools
 - http://www.w3schools.com/html/
- Coursera
 - www.coursera.org
 - Responsive Website Basics: Code with HTML, CSS, and JavaScript
 - University of London
 - Prof. Dr Matthew Yee-King

Client-Server Model







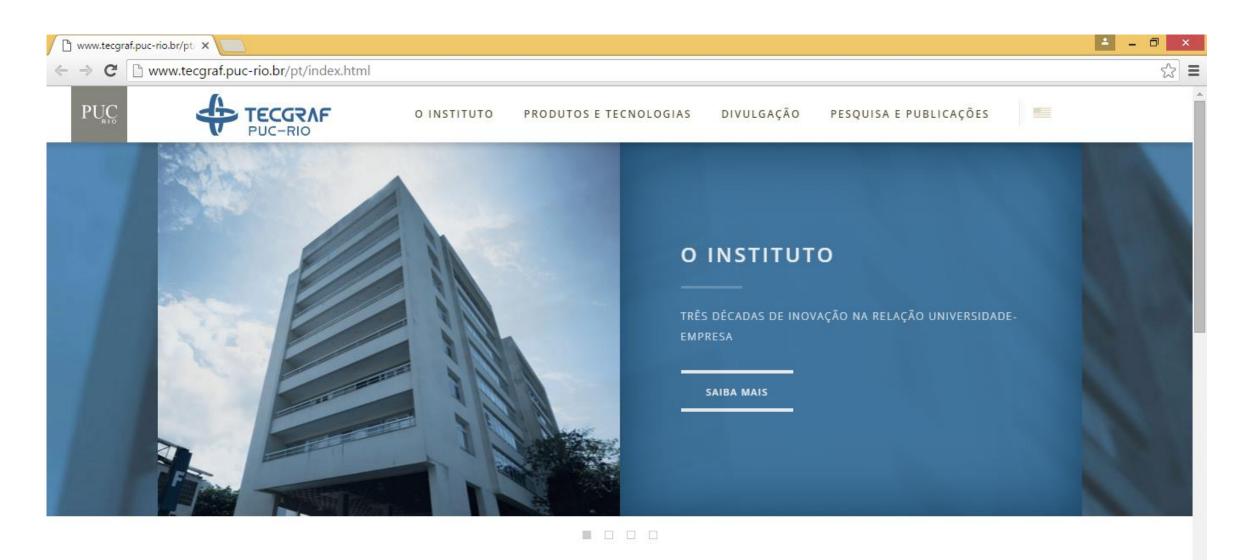




WEB PAGE

What most people see? The rendered page.

What programmers see? The source code.



CLOUDSCAPE BRAZIL 2015

SEMINÁRIO - MIDDLEWARE PARA A INTERNET DAS SEMINÁRIO - DESAFIOS DE PESOUISA NAS ÁREAS DE

O Cloudscape Brazil 2015 ocorrerá no Rio de

Prof. Markus Endler do Departamento de

Profa. Silvana da UFRI apresenta seminário no

```
www.tecgraf.puc-rio.br/pt/ x  view-source:www.tecgraf.p x
← → C  view-source:www.tecgraf.puc-rio.br/pt/index.html
 1 <!DOCTYPE HTML>
 2 <!--
           Catalyst by Pixelarity
            pixelarity.com @pixelarity
            License: pixelarity.com/license
 8 -->
 7 <html>
            <head>
                   <title> </title>
                    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
                    <meta name="description" content="" />
 11
 12
                    <meta name="keywords" content="" />
                   <!--[if lte IE 8]><script src="../css/ie/html5shiv.js"></script><![endif]-->
 13
                   <script src="../js/jquery.min.js"></script>
 14
                   <script src="../js/jquery.dropotron.min.js"></script>
 15
                   <script src="../js/flickity.pkgd.min.js"></script>
 16
                    <script src="../js/skel.min.js"></script>
 17
                   <script src="../js/skel-layers.min.js"></script>
 18
                   <script src="../js/wrapText.js"></script>
 19
                   <script src="../js/email.js"></script>
 20
 21
                   <script src="../js/init.js"></script>
 22
 23
                   <!--<noscript>-->
 24
                           <link rel="stylesheet" href="../css/skel.css" />
                           k rel="stylesheet" href="../css/style.css" />
 25
                           <link rel="stylesheet" href="../css/style-wide.css" />
 26
                    <!--</noscript>-->
 27
                           <link rel="stylesheet" href="../css/flickity.css" />
 28
 29
                   <!--[if lte IE 8]><link rel="stylesheet" href="../css/ie/v8.css" /><![endif]-->
 30
            </head>
 31
 32
            <body>
 33
 34
                   <!-- Header -->
                           <header id="header" class="small">
 35
 36
                           <div class="container">
 37
                                    <h1><a href="index.html"></a></h1>
                                    <nav id="nav">
 38
 39
                                            <l
                                                   <
 40
 41
                                                            <a href="index-instituto.html">O Instituto</a>
                                                   43
                                                    <
                                                            <a href="index-produtos-tecnologia.html">Produtos e Tecnologias</a>
                                                    27123
```

How to display contents on a web page?

How to make that content look good?

How to make that content interactive?

Technologies

HTML

Page Structure

CSS

Page Appearance

Javascript

Page Interactivity

Technologies

HTML

Page Structure

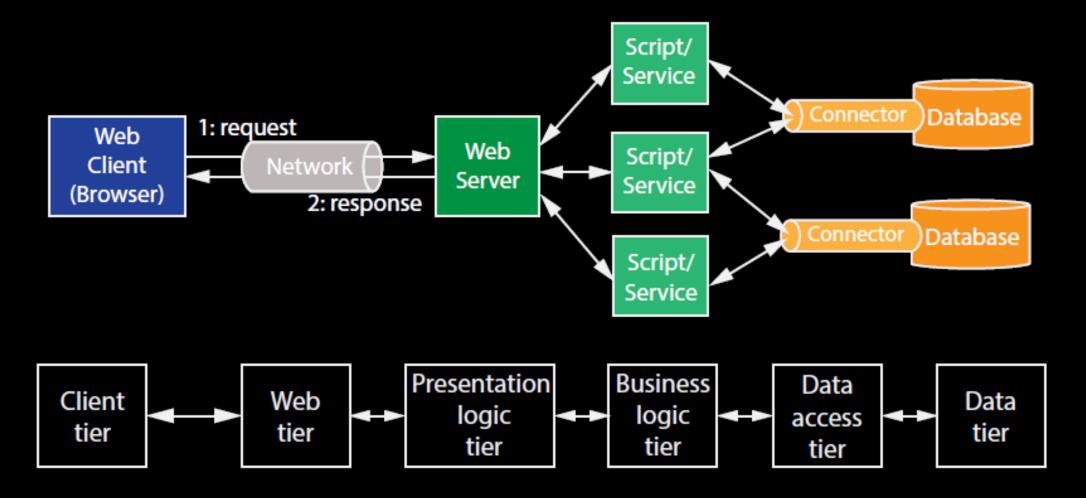
CSS

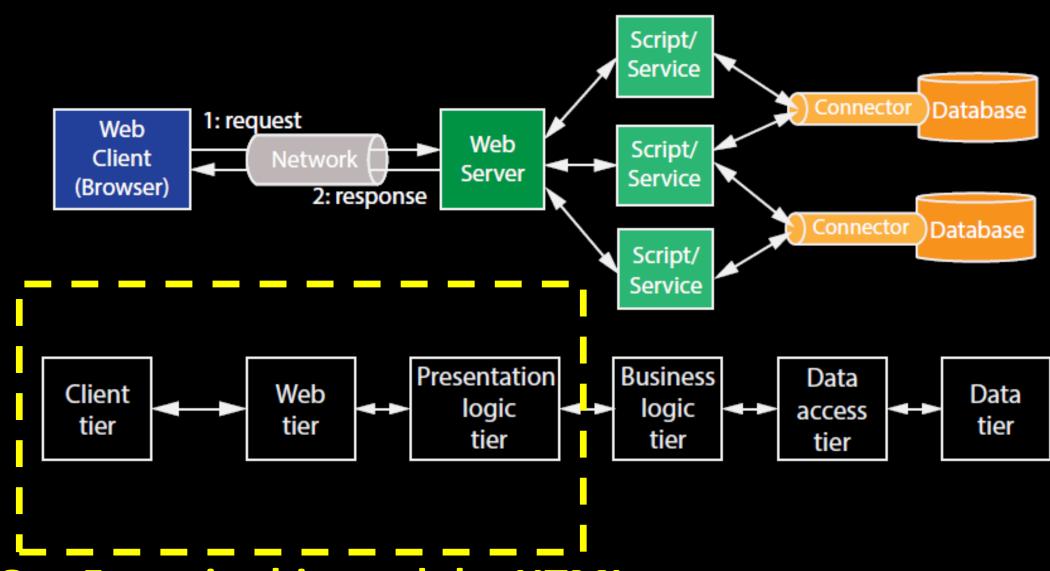
Page Appearance

Javascript

Page Interactivity

Architecture





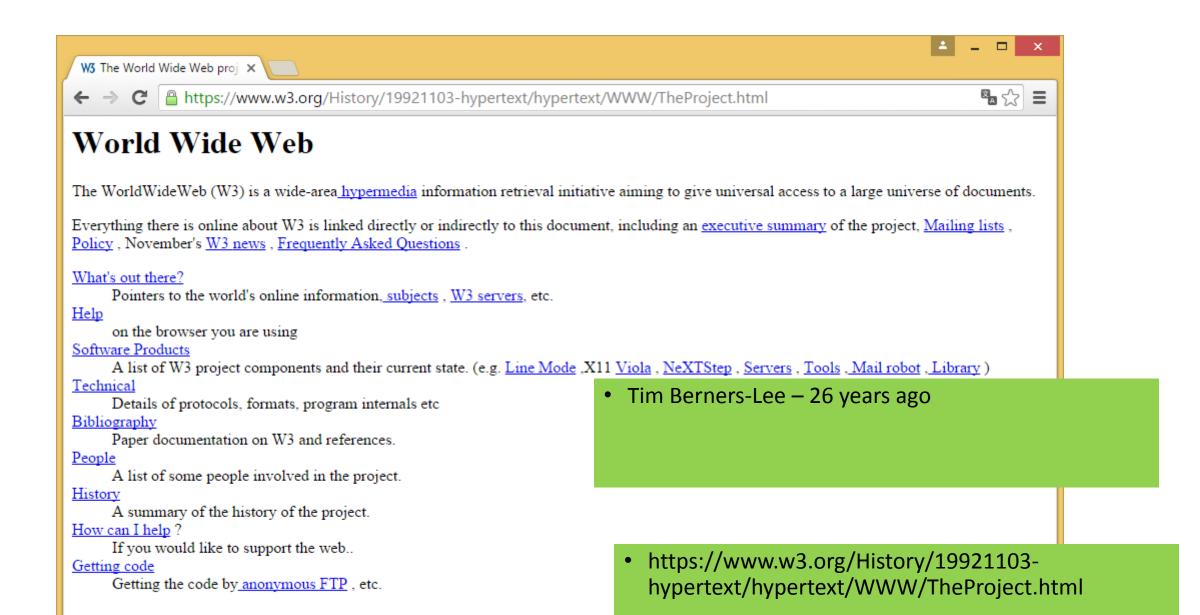
Our Focus in this module: HTML

HTML

- Hyper Text Markup Language
- Text file containing small markup tags
- .html or .htm file extension

Versions

Version	Year
HTML	1991
HTML 2.0	1995
HTML 3.2	1997
HTML 4.01	1999
XHTML	2000
HTML5	2014

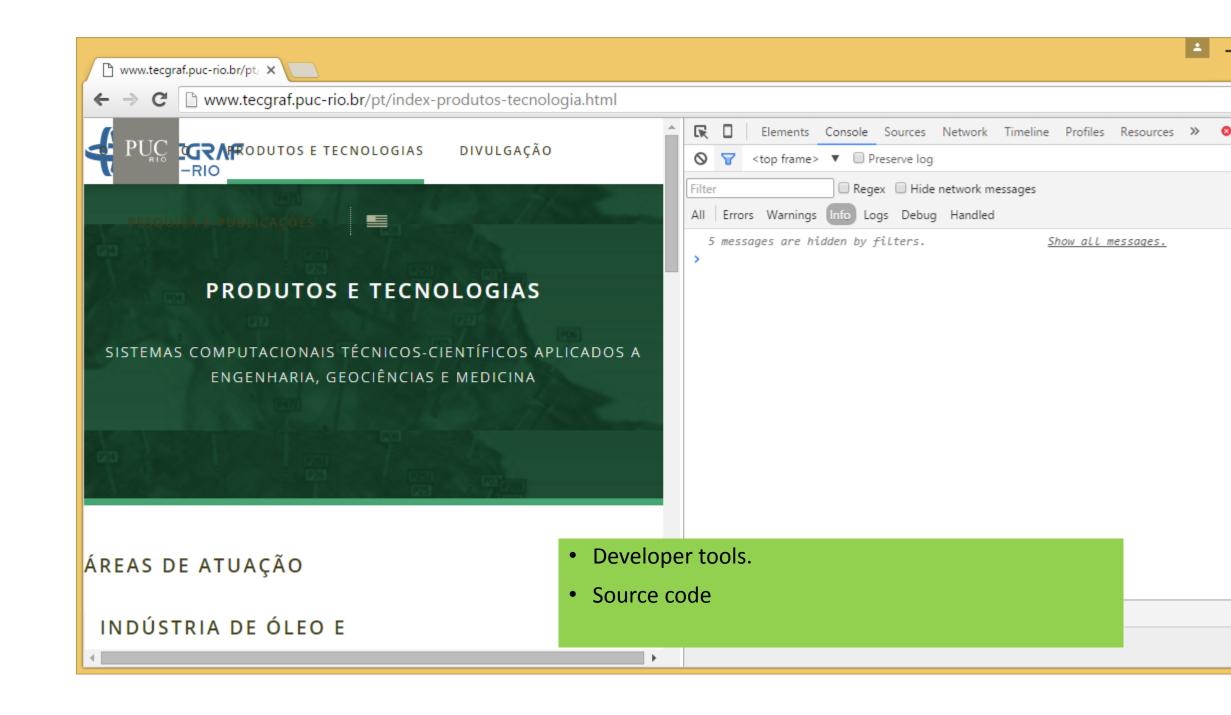


The development environment

- Text files
- Use a plain text editor
 - TextWrangler (Mac)
 - Notepad++ (PC)
 - Sublime Text (OSX, Windows, Linux)

Browser

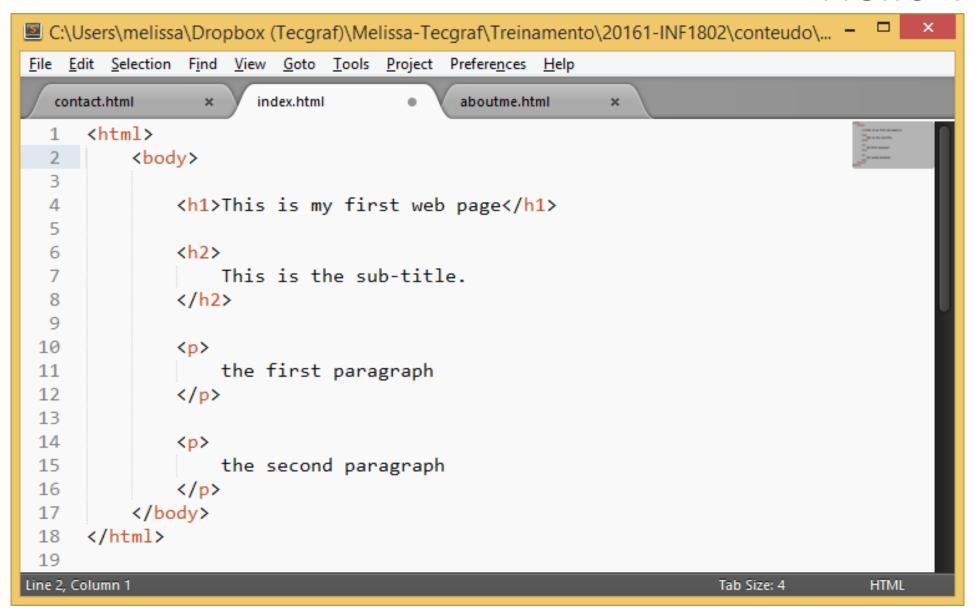
- To be able to view our web page we need to use a browser
- Current the most widely-used browser is Google Chrome.
- Pay attention! There is no uniformity across browsers

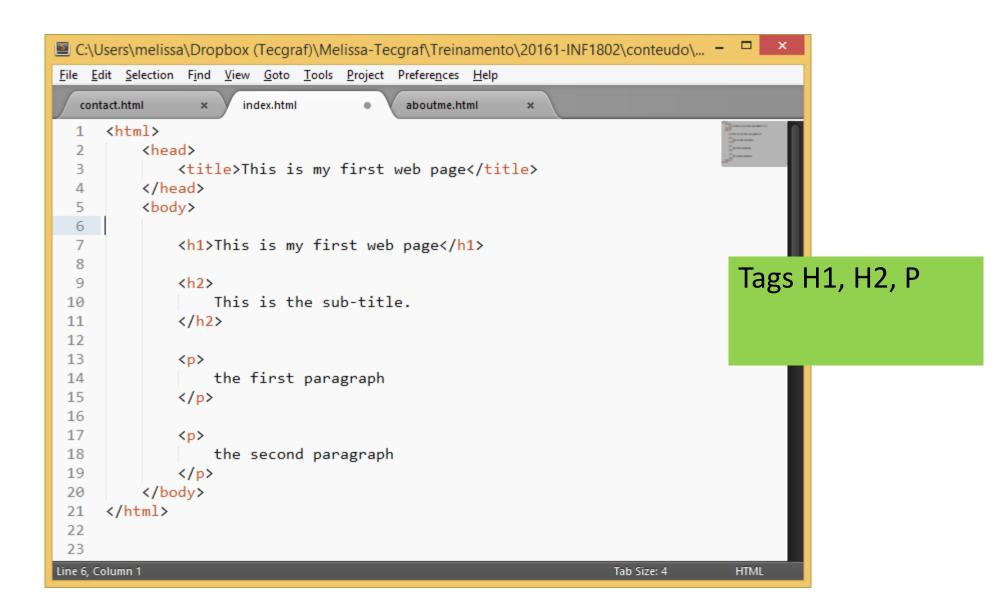


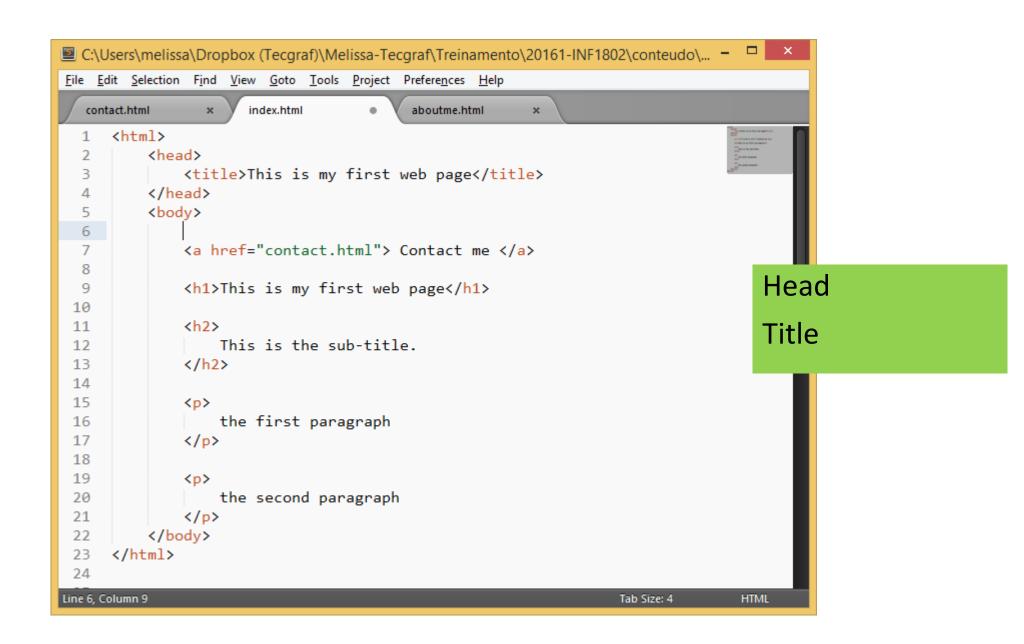
The Structure

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

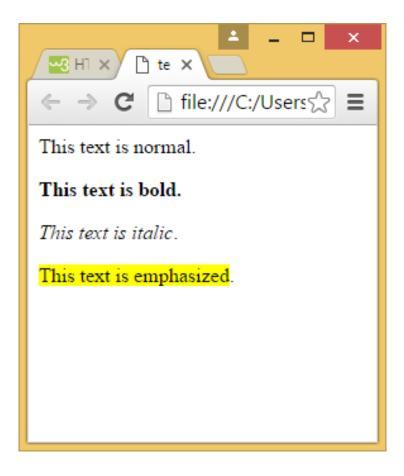
"Hello World!"



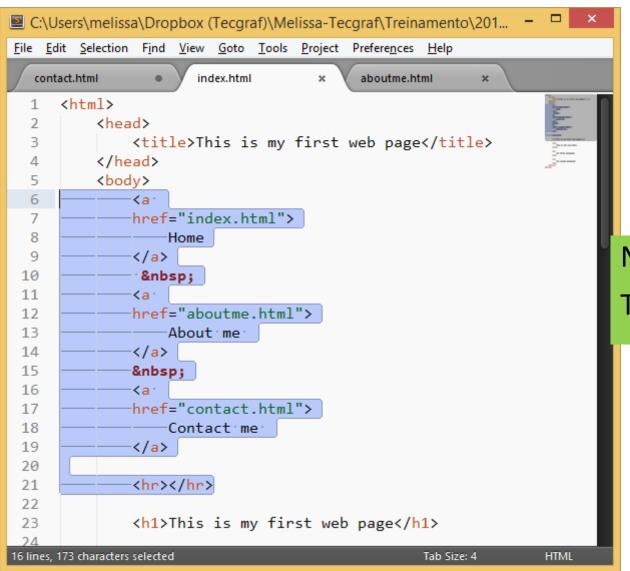




```
C:\Users\melissa\Dropbox (Tecgraf)\Melissa-Tecgraf\Treinamento\20...
File Edit Selection Find View Goto Tools Project Preferences Help
  text.html
                       index.html
                                           aboutme.html
      <html>
          <head>
               <title></title>
          </head>
          <body>
  6
               This text is normal.
  9
               <b>This text is bold.</b>
 10
               <i>This text is italic</i>.
 11
 12
               <mark>This text is emphasized</mark>.
 13
 14
 15
          </body>
 16
 17
      </html>
 18
 19
 20
 21
 22
                                                  Tab Size: 4
7 lines, 151 characters selected
                                                                HTML
```





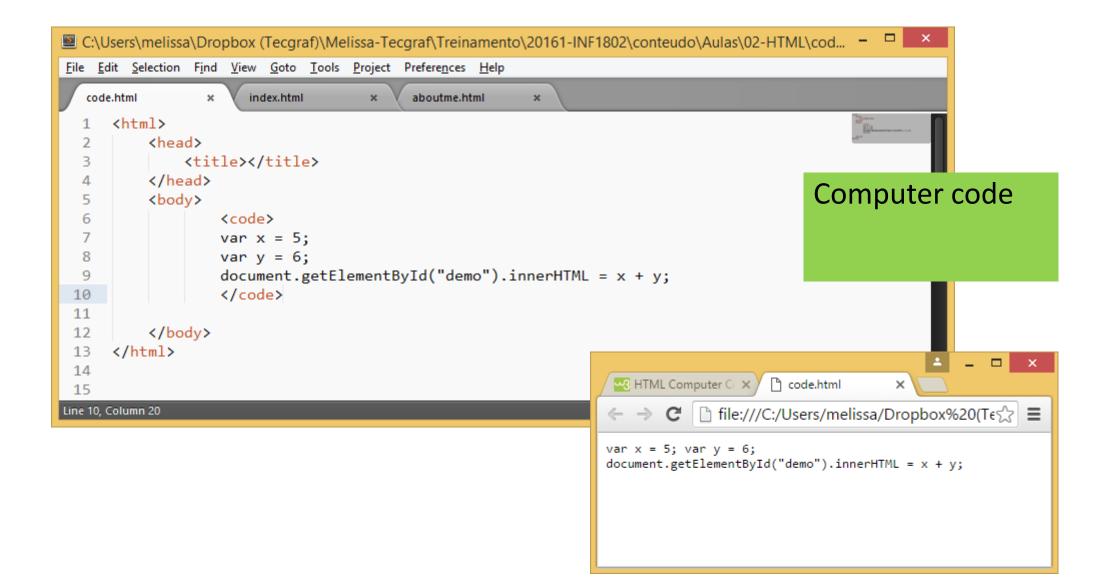


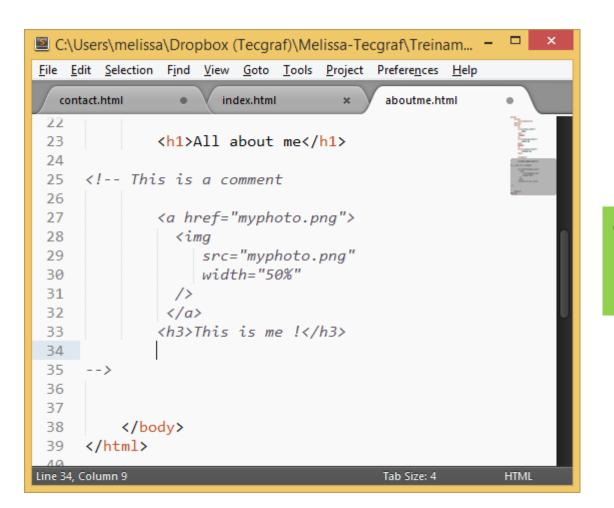
Navegation Bar Tag HR

```
C:\Users\melissa\Dropbox (Tecgraf)\Melissa-Tecgraf\Treinam...
<u>File Edit Selection Find View Goto Tools Project Preferences Help</u>
                      index.html
                                          aboutme.html
   contact.html
          <body>
  6
               ≺a
              href="index.html">
  8
                   Home
               </a>
  9
 10
                
 11
               Κa
 12
               href="aboutme.html">
 13
                   About me
              </a>
 14
 15
               
 16
               ≺a
 17
               href="contact.html">
 18
                   Contact me
 19
               </a>
 20
 21
              <hr></hr>
 22
               <h1>All about me</h1>
 23
 24
 25
               <a href="myphoto.png">
 26
                <img
 27
                    src="myphoto.png"
 28
                    width="50%"
 29
                />
               </a>
 30
 31
               <h3>This is me !</h3>
 32
 33
          </body>
Line 27, Column 26
                                           Tab Size: 4
                                                         HTML
```

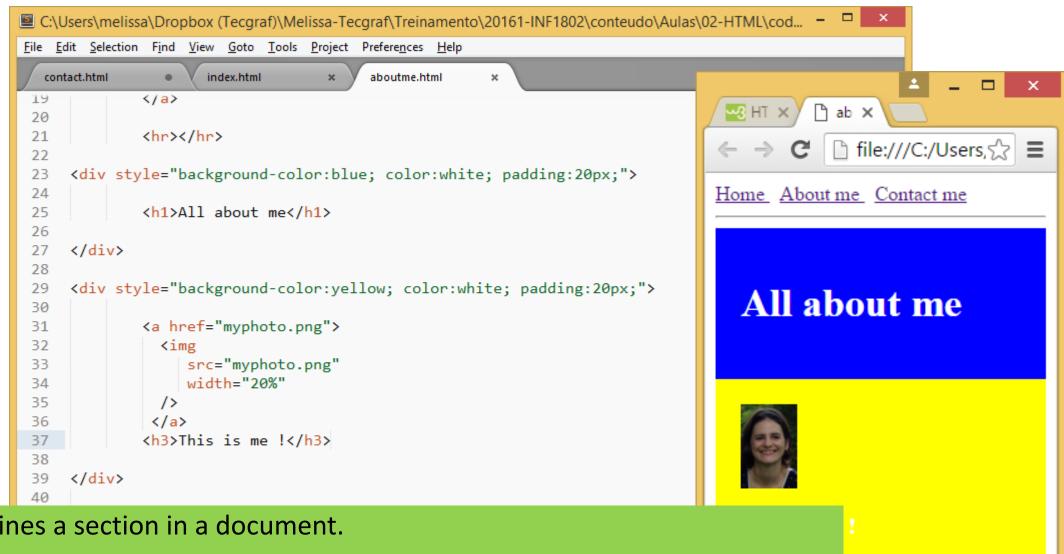
Images

Tag IMG





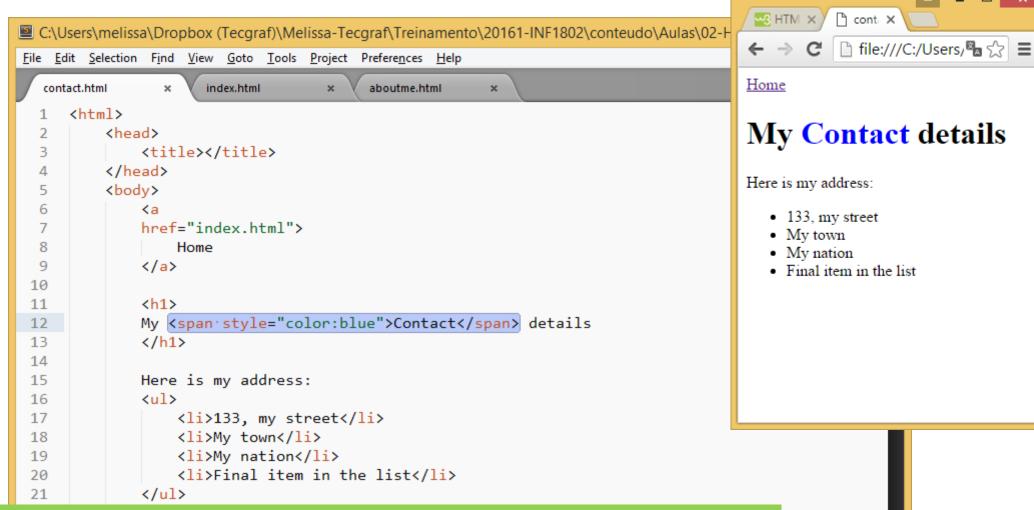
Comments



Div defines a section in a document.

It is block level = starts on a new line and takes up the full width available.

It is often used as a container for other HTML elements.



HTML

Span defines a section in a document (inline).

An inline element does not start on a new line and only takes up as much width as necessary.

It is often used as a container for some text...

