

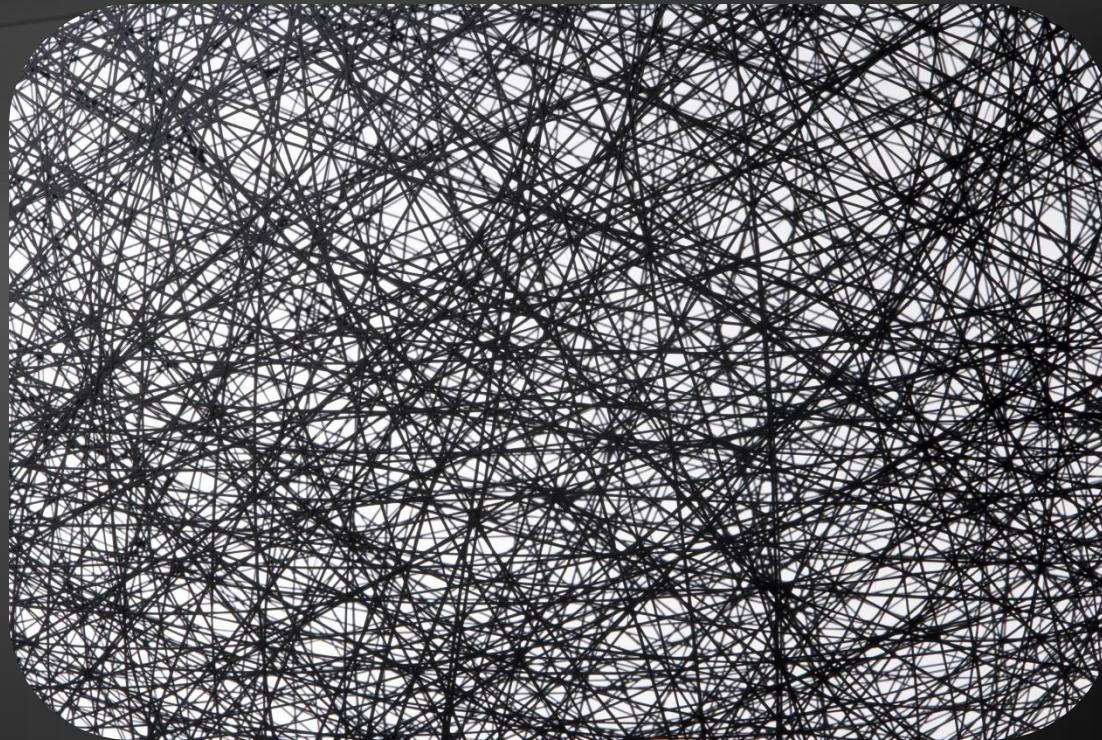
<http://telerikacademy.com>



HTML Test Preparation

HTML5
Telerik Software Academy
<http://academy.telerik.com>





Random Questions

- ◆ Which one of the following is not capable of generating HTML:
 - a) JavaScript
 - b) Human
 - c) Web server
 - d) CSS

- ◆ What is the purpose of the `<noframes>` tag:
 - a) Specify an area without frames
 - b) Provide a functionality for browsers, that do not support HTML5
 - c) Provide a fallback for browsers, that do not support frames
 - d) Disable the effect of the `<frameset>` tag



- ◆ Which of the following methods will result in this URL after form submit?

```
http://en.wikipedia.bg/h/index.php?title=Main_page&action=row
```

- a) get
- b) post
- c) put
- d) delete

- ◆ What is the purpose of <input type="hidden">
- a) The same as input type text, but only for secret data
- b) For secret fields, used by web administrators
- c) Send data to the server, invisible for the regular user
- d) It is used for secure input of passwords

- ◆ What is the purpose of the iframe?
 - a) Show one web page before another
 - b) Provide navigation inside a frame
 - c) Rendering a Quick Player inside a web page
 - d) Show one web page inside another

- ◆ What is the difference between **** and ****?
 - a) There is no difference
 - b)** **** marks the text as "stronger" than the other, while **** bolds it only visually
 - c) The **** tag comes in HTML5, while the **** tag is deprecated
 - d) The **** tag bolds the text, while the **** tag makes the text with bigger font size



Web Technologies Basics

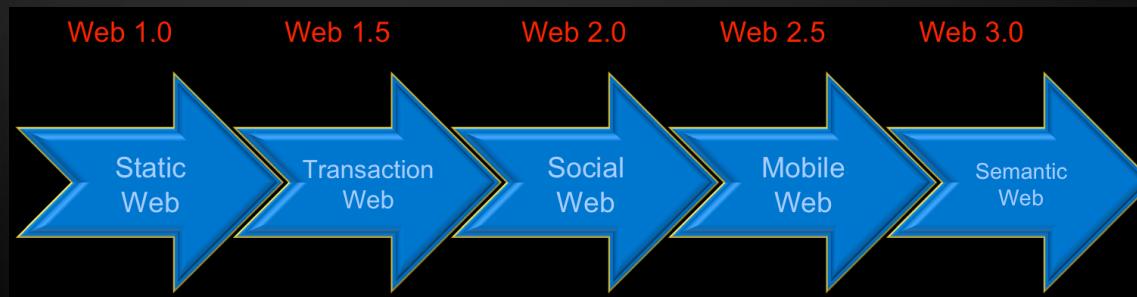
- ◆ We have the following User-Agent string:

Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.1
(KHTML, like Gecko) Chrome/21.0.1180.89 Safari/537.1

- ◆ What is the operating system?

- a) Microsoft Windows 7 – 32-bit
- b) Ubuntu Linux – 64 bit
- c) Microsoft Windows 7 – 64-bit
- d) Apple iOS
- e) Apple Mac OS X
- f) Microsoft Windows 8 – 32-bit
- g) Microsoft Windows XP – 32 or 64-bit

- ◆ Who is the main content creator in Web 3.0?
 - a) A team of highly trained monkeys
 - b) Computers (Artificial Intelligence)**
 - c) Users
 - d) Developers
 - e) Professional authors
 - f) The government

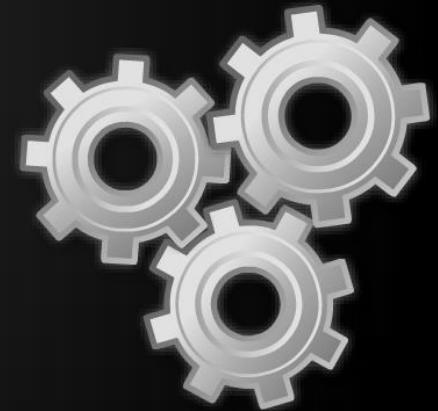


- ◆ A web page consists of:
 - a) A set of HTML5 documents
 - b) A HTML file + corresponding CSS file
 - c) A HTML file + optional additional resources (images, styles, scripts, etc.)
 - d) A text document written in HTML language + images and other assets (optionally)
 - e) A single HTML file
 - f) A web server hosting HTML files, CSS styles and images
 - g) A HTML file hosted somewhere in the cloud



HTML Fundamentals

- ◆ What does HTML stand for?
 - a) Hyperlinks and Text Markup Language
 - b) Hyper Text Markup Language**
 - c) Home Tool Markup Language
 - d) Hyperlinks Tool Markup Language

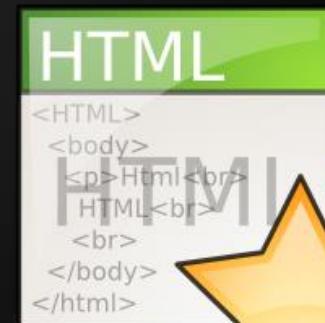


- ◆ What are attributes?

a) Properties of the HTML Elements

b) The smallest piece of HTML

c) Combination of opening
and closing tags



- ◆ The value of the attributes is surrounded by:
 - a) ;
 - b) " " or ''
 - c) "" or ``
 - d) '' or `''
 - e) ``
 - f) "" or ''**
 - g) " " or ``



- ◆ Which of the following tags is used for the largest heading:
 - a) <h6>
 - b) <head>
 - c) <heading>
 - d) <header>
 - e) <h1>



- ◆ Which of the following tags is used for inserting a line break?

a)

b) <break />

c) <lb />

d) <nl>

e) <\n>



- ◆ What is the correct way for creating a hyperlink?
 - a) ` Telerik Academy`
 - b) ` Telerik Academy`**
 - c) `<a>http://telerikacademy.com`
 - d) ` Telerik Academy`

- ◆ What is the correct way for creating an e-mail link?
 - a) <email href="academy@telerik.com">
 - b) <email>academy@telerik.com</email>
 - c)
 - d)
 - e) <mailto href="academy@telerik.com">

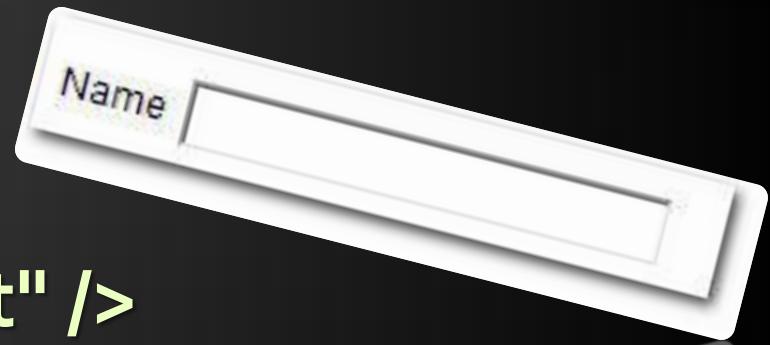
- ◆ What is the correct way for making a checkbox?
 - a) <input type="check" />
 - b) <check>
 - c) <checkbox>
 - d) <input type="checkbox" />



- ◆ Which is of the following is the tag for making a text area?
 - a) <input type="textbox" />
 - b) <input type="textarea" />
 - c) <textarea>
 - d) <input type="multiline" />



- ◆ Which of the code line is a valid HTML and will display a textbox field?
- a) `<textfield>`
- b) `<textinput type="text" />`
- c) `<text></text>`
- d) `<input />`



- ◆ What is the correct way for inserting an image?
 - a) <image src="image.gif" alt="TelerikAcademy" />
 - b) image.gif
 - c)
 - d)

- ◆ What we gain, when we write valid HTML code?
 - a) This is the only way for the code to be understandable to other developers
 - b) The browser will not understand invalid HTML
 - c) The browser renders valid HTML a bit faster than invalid
 - d) CSS styles works only on valid HTML
 - e) It is cooler to be valid!

- ◆ The `<!DOCTYPE>` tag tells the web browser about what version of HTML to use
- ◆ The browser handles the page accordingly to its Doctype declaration
- ◆ HTML 5 Doctype:
 - ◆ `<!DOCTYPE html>`



- ◆ **Image tags should have either their width or their height set (or both). Why is that?**
 - a) When lower than the actual height/width is given, the browser downloads a smaller image file
 - b) The browser should know the space for the image, to load the other content below/near it
 - c) When width/height is not set, the images is with default width and height 0, and it does not show

- ◆ When height and width are set
 - The space required for the image is reserved when the page is loaded
 - Before the image is loaded
- ◆ Without these attributes, the browser does not know the size of the image
 - And cannot reserve the appropriate space
 - After image loading the page is updated (unpleasant effect)



- ◆ How do you comment out HTML markup?
 - a) <-Telerik Academy->
 - b) <-- Telerik Academy -->
 - c) <!-- Telerik Academy --!>
 - d) <!-- Telerik Academy -->
 - e) < Telerik Academy />
 - f) //Telerik Academy
 - g) /* Telerik Academy */
 - h) # Telerik Academy #



- ◆ Which of the following is the correct use of the <title> tag?
 - a) <title="Telerik Academy"></title>
 - b) <title="Telerik Academy" />
 - c) <title text="Telerik Academy" />
 - d) <title content="Telerik Academy" />
 - e) <title>Telerik Academy</title>



- ◆ Which of the following tags is most important for the search engines?
 - a) Heading 1 – <h1>
 - b) Header – <header>
 - c) Paragraph – <p>
 - d) All of above



- ◆ The `<title>` tag:
 - ◆ Displays a title for the page in search-engine results
- ◆ The `<h1>` tag – primary heading of a document
 - ◆ Used by search engines
 - ◆ Include only one per page in XHTML 1.1
 - ◆ Many `<h1>` in HTML5



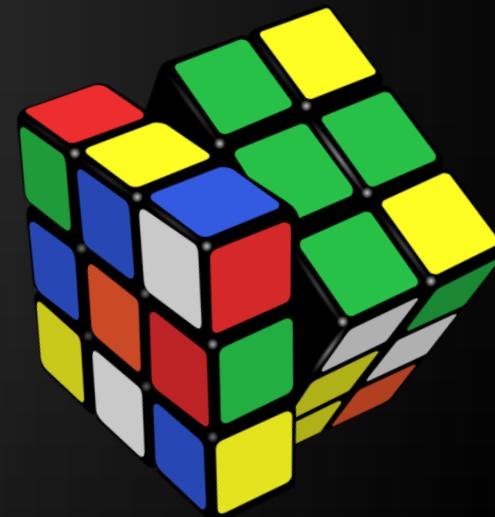
- ◆ What are `<div>` tags used for?
 - a) To replace paragraphs. i.e. `<p>`
 - b) To logically divide the paragraphs
 - c) To logically divide the document
 - d) To provide space between tables
 - e) To group similar elements



- ◆ The HTML `<div>` tag is used for defining a section of your document
- ◆ You can group large sections of HTML elements together with `<div>`
 - ◆ And format them with CSS

```
<div style="text-align:center">
  <p>Navigation section</p>
</div>
<div style="border:1px solid black">
  <p>Content section</p>
</div>
```

- ◆ HTML elements are combination of:
 - a) Tags and IDs
 - b) Attributes and classes
 - c) Tag and classes
 - d) Tags and attributes
 - e) Classes and names



- ◆ The HTML element <html> is:
 - a) Used to mark the beginning and middle of a HTML document
 - b) **Used to mark the beginning and ending of a HTML document**
 - c) Used to mark the beginning of a HTML document
 - d) Used to mark the HTML body
 - e) Used to mark the HTML header

```
<!DOCTYPE html>  
  
<html>  
  
  <head>  
    <title>  
      ...  
    </title>  
  </head>  
  
  <body>  
    ...  
  </body>  
  
</html>
```

- An HTML element starts with a start tag / opening tag
- An HTML element ends with an end tag / closing tag
- The element content is everything between the start and the end tag
- Some HTML elements have empty content

- ◆ HTML <body> element should contains:
 - a) All the visible to the user markup
 - b) All the invisible to the user markup
 - c) Resources
 - d) Attributes
 - e) Scripts and data
 - f) Only text data



```
<!DOCTYPE html>

<html>
  <head>
    <title>
      ...
    </title>
  </head>
  <body>
    <!-- Content -->
  </body>
</html>
```

- The **<body>** tag defines the document's body
- The **<body>** element contains all the contents of an HTML document
 - Text, hyperlinks, images, tables, lists, etc.

◆ Which of the following are block elements?

1. `<div>`, `<p>`
2. ``, `<p>`
3. `<a>`, `<div>`
4. ``, `<h1>`
5. `<h1>`, ``

- a) 1,2,3
- b) 2,3,4
- c) 3,4,5
- d) 1,5
- e) 3,4
- f) 4,5

- ◆ Block level elements normally start (and end) with a new line when displayed in a browser
 - ◆ Examples: `<h1>`, `<p>`, ``, `<table>`, `<div>`
 - ◆ Have rectangular form (rectangular block)
- ◆ Inline elements are normally displayed without starting a new line
 - ◆ Examples: ``, `<td>`, `<a>`, ``, ``
 - ◆ Parts of paragraphs (e.g. a piece of text)
 - ◆ May have non-rectangular form

- ◆ Which of the following tags can be used to make a list of numbered items?
 - a)
 - b)
 - c) <nl></nl>
 - d) <dl></dl>
 - e) <list></list>
 - f) <numbered></numbered>



- ◆ What tag is used to create a definition list?
 - a) <dt></dt>
 - b) <dd></dd>
 - c) **<dl></dl>**
 - d) <di></di>
 - e) <dl><di>





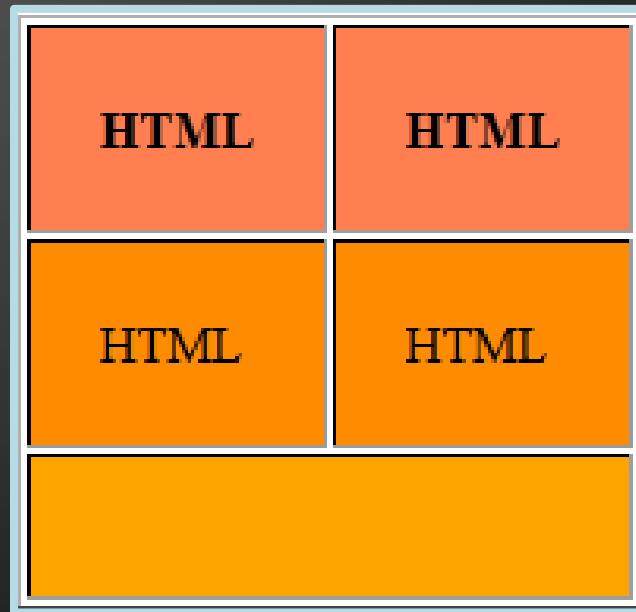
Tables

- ◆ Which of these tags are related to the <table> tag?

1. <ttable>
2. <head>
3. <body>
4. <tfoot>
5. <tr>
6. <th>
7. <tt>
8. <tf>

- a) 1, 2, 4
- b) 2, 3, 4
- c) 4, 5, 6
- d) 5, 6, 7
- e) 5, 6, 8
- f) 1, 5, 6
- g) 2, 4, 6

- ◆ Which of the following code blocks will visualize the table:



To be continued...

a)

```
<table cellpadding="22" border="1">
  <tr><th>HTML</th><th>HTML</th></tr>
  <tr><td>HTML</td><td>HTML</td></tr>
  <tr><td colspan="2"></td></tr>
</table>
```

b)

```
<table cellpadding="22" border="1">
  <tr><td>HTML</td><td>HTML</td></tr>
  <tr><td>HTML</td><td>HTML</td></tr>
  <tr><td colspan="2"></td></tr>
</table>
```

c)

```
<table cellpadding="22" border="1">
  <tr><th>HTML</th><th>HTML</th></tr>
  <tr><th>HTML</th><th>HTML</th></tr>
  <tr><td colspan="2"></td></tr>
</table>
```

d)

```
<table cellpadding="22" border="1">
  <tr><th>HTML</th><td>HTML</td></tr>
  <tr><td>HTML</td><td>HTML</td></tr>
  <tr><td colspan="2"></td></tr>
</table>
```

HTML	HTML
HTML	HTML
HTML	

- ◆ Which of the following tags is the best to be placed in the missing position:
- a) <tfood>
 - b) <tablefoot>
 - c) <footer>
 - d) <tfooter>
 - e) <tfoot>
 - f) None of the above

First Name	Second Name	Score
Doncho	Minkov	4.00
Nikolay	Kostov	3.00
Asya	Georgieva	5.00
Average score:		4.00

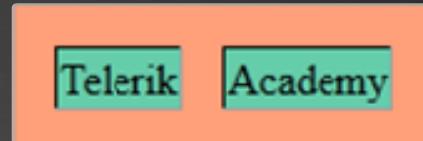
To be continued...

```
<table border="1">
<colgroup><col style="width:100px" /><col/></colgroup>
<thead>
<tr>
<th>First Name</th>
<th>Second Name</th>
<th>Score</th>
</tr>
</thead>
<...>
<tr><td colspan="2">Average score:</td><td>4.00</td></tr>
</...>
<tbody>
<tr><td>Doncho</td><td>Minkov</td><td>4.00</td></tr>
<tr><td>Nikolay</td><td>Kostov</td><td>3.00</td></tr>
<tr><td>Asya</td><td>Georgieva</td><td>5.00</td></tr>
</tbody>
</table>
```

- ◆ Which of the following tags is the best to be placed in the missing position:
- a) <tfood>
 - b) <tablefoot>
 - c) <footer>
 - d) <tfooter>
 - e) <tfoot>
 - f) None of the above

First Name	Second Name	Score
Doncho	Minkov	4.00
Nikolay	Kostov	3.00
Asya	Georgieva	5.00
Average score:		4.00

- ◆ What table attribute is used in the picture?



- a) cellspacing = "15" and cellpadding = "0"
- b) cellpadding = "15" and cellspacing = "15"
- c) cellspacing = "0" and cellpadding = "15"
- d) cellmargin
- e) cellpadding
- f) margin
- g) padding
- h) None of the above

◆ Is this code valid?

```
<!DOCTYPE html>
<html>
<head><title>Telerik Academy</title></head>
<body>
  <h1>Telerik Academy</h1>
  <li>Home</li>
  <li>Software Academy</li>
  <li>Courses</li>
  <li>BG coder</li>
  <li>About</li>
</body>
</html>
```

To be continued...



◆ Is this code valid?

- a) Yes, it is
- b) No, it isn't



```
<!DOCTYPE html>
<html>
<head><title>Telerik Academy</title></head>
<body>
  <h1>Telerik Academy</h1>
  <ul>
    <li>Home</li>
    <li>Software Academy</li>
    <li>Courses</li>
    <li>BG coder</li>
    <li>About</li>
  </ul>
</body>
</html>
```

- The **** tag together with the **** tag creates an unordered list
- **** cannot be used outside of **** or ****

- ◆ What is wrong with the following code?

```
<!DOCTYPE html>
<html>
<head>
    <title>Example</title>
</head>
<body>
    <div id="my-div">
        <div id="sub-div">
            <h1>Section 1</h1>
            <p>Content paragraph</p>
            <p>Here's another content article</p>
        </div>
    </div>
```

To be continued...

```
<div>
    <h1>Section 2</h1>
    <p>Content paragraph</p>
    <p>Here's another content article</p>
</div>
<table cellpadding="22">
    <tr>
        <th>Telerik</th>
        <th>Academy</th>
    </tr>
    <tr>
        <td colspan="2"></td>
    </tr>
</table>
</div>
</body>
</html>
```

To be continued...

- ◆ What is wrong with the following code?
 - a) The Doctype should have more attributes
 - b) The Doctype should be <!DOCTYPE html5>
 - c) The Doctype should be <!DOCTYPE html>
 - d) The Ids must be the same
 - e) No errors



- ◆ What is wrong with the following code?

```
<table cellpadding="15" border="1">
  <tr>
    <td valign="top">1</td>
    <td>
      <table class="main-table" cellpadding="15" border="1">
        <tr><td>2</td>
        <td>
          <table class="main-table" cellpadding="15" border="1">
            <tr><td>4<td><td>5</td></tr>
          </table>
        </td>
        </tr>
      </table>
    </td>
  </tr>
</table>
```

To be continued...



- a) There are duplicated classes
- b) There is a tag, which is not closed
- c) There is a tag, which is not opened
- d) There is no such attribute like “valign”
- e) There is no such attribute like “valign” with value “top” (`valign="top"`)

Name	Value
Name	
Sex	<input type="radio"/> Male <input checked="" type="radio"/> Female
Eye color	green ▾
Check all that apply	<input type="checkbox"/> Over 6 feet tall <input type="checkbox"/> Over 200 pounds
Describe your athletic ability:	

Forms

- ◆ What does the "action" attribute tells in the form tag?
 - a) How the form data should be sent
 - b) Where the form data should be sent
 - c) Whose form data should be sent
 - d) Which of the form data should be sent



- ◆ What does the "method" attribute tells in the form tag?
 - a) Where the form data should be sent
 - b) Whose the form data should be sent
 - c) How the form data should be sent
 - d) What the form data should be sent

- ◆ What is wrong with the following code?

```
<h1>Telerik Academy</h1>
<div>
  
  <h2>HTML course</h2>
  <h3>C# course</h3>
  <span>Students</span>
  <br>
  <span>Age</span>
  <br>
</div>
```

- a) The </br> tag
- b) The tag
- c) The <h1> tag
- d) The src attribute

- ◆ What is the best way to insert an input element that is not shown on the page?

```
<input type="..." name="Account"  
      value="This is your Account" />
```

- a) hidden
- b) invisible
- c) secret
- d) private
- e) cover



- ◆ Which of the following tags is the most appropriate for the missing position:

```
<!DOCTYPE html>
<html>
<head><title></title></head>
<body>
<form method="post" action="form.aspx">
<...>
    <legend>Personal Information</legend>
    <input type="text" id="Name" />
    <input type="text" id="Email" />
</...>
</form>
</body>
</html>
```

- a) **fieldset**
- b) **textarea**
- c) **inputset**
- d) **formset**
- e) **legendset**

- ◆ Which is the most appropriate tag for the missing position ?

```
<label for="classes">Countries</label>
<... multiple="multiple" id="classes">
  <option value="geo">Bulgaria</option>
  <option value="math">Italy</option>
  <option value="eng">Spain</option>
</...>
```

To be continued...

- ◆ Which is the most appropriate tag for the missing position ?

- a) form
- b) fieldset
- c) legend
- d) selected
- e) select
- f) textarea

```
<label for="classes">Countries</label>
<... multiple="multiple" id="classes">
  <option value="geo">Bulgaria</option>
  <option value="math">Italy</option>
  <option value="eng">Spain</option>
</...>
```



◆ Is this code valid?

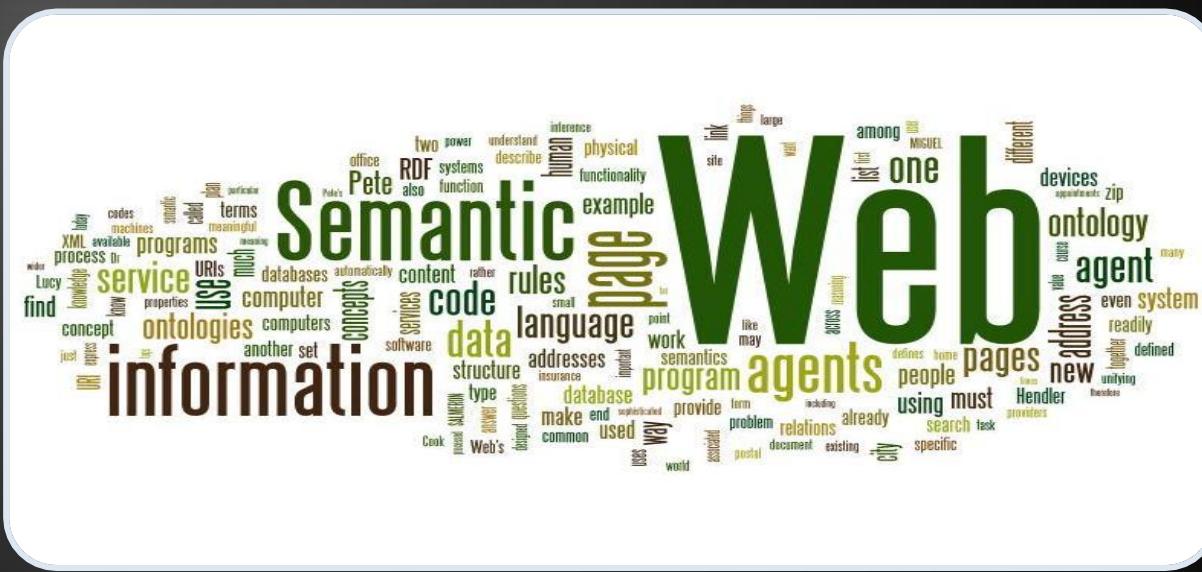
```
<!DOCTYPE html>
<html>
<head><title>Example</title></head>
<body>
  <h1>Parts</h1>
  <ul>
    <li>Part 1</li>
    <li>Part 2</li>
    <li>Part 3
      <ul>
        <li>Part 3.1</li>
      </li>
      </ul>
    <li>Part 4
      <ul><li>4.1</li></ul>
    </li>
  </ul>
</body>
</html>
```

To be continued...

- ◆ Is this code valid?
 - a) Yes, it is
 - b) No, it isn't



```
<!DOCTYPE html>
<html>
<head><title>Example</title></head>
<body>
<h4>Parts</h4>
<ul>
<li>Part 1</li>
<li>Part 2</li>
<li>Part 3
<ul>
<li>Part 3.1</li>
</ul> 
</li>
<li>Part 4
<ul><li>4.1</li></ul>
</li>
</ul>
</body>
</html>
```



Semantic HTML

- ◆ What is CSS used for (3 answers):
 - a) Define the layout of the elements
 - b) Define the presentation of elements
 - c) Define the content of a Web page
 - d) Handles the request to the Web server
 - e) Define style rules

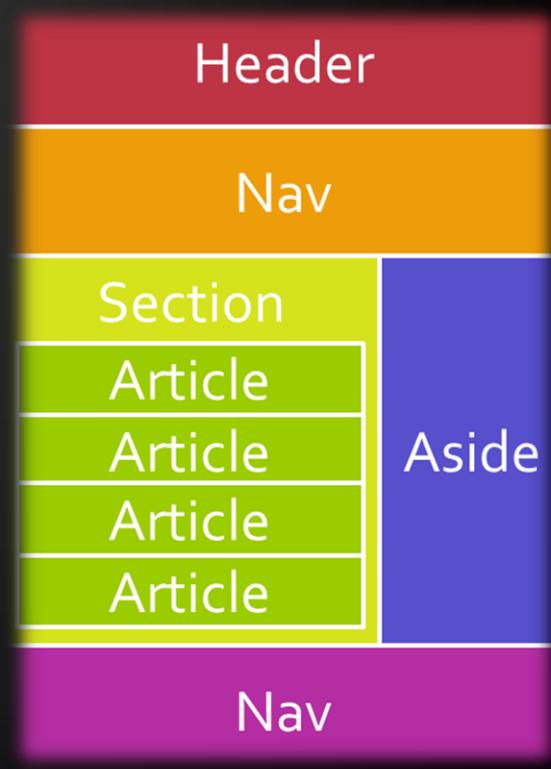


- ◆ What does the semantic HTML give us:
 - a) Improves server performance
 - b) More difficult to render by the browsers
 - c) A way to show the search engines the correct meaning of the HTML page
 - d) Easier to read by machines
 - e) More-valid HTML



- ◆ Which of the following are HTML5 semantic tags for layout?
 1. <nav>, <a> a) 1, 2, 3
 2. <section>, <footer> b) 4, 5, 6
 3. , <section> c) 1, 3, 4
 4. , <header> d) 5, 6
 5. <footer>, <p> e) 2, 6, 7
 6. <nav>, <header> f) 1, 2
 7. <article>, <nav> g) 4, 6

- ◆ Some of the new semantic elements in HTML5 are:
 - ◆ <article>, <time>, <figure>, <footer>, <header>, <aside> <section> and <nav>
- ◆ Used like divs for the page content layout



- ◆ Which of the following tags is semantically the most appropriate?

```
<body>
  <header>
    <h1>Telerik Academy</h1>
    <...>
    <ul>
      <li><a href="#">Home</a></li>
      <li><a href="#">Software Academy</a></li>
      <li><a href="#">Courses</a></li>
      <li><a href="#">Resources</a></li>
    </ul>
    </...>
  </header>
</body>
```

To be continued...

- ◆ Which of the following tags is semantically the most appropriate?
 - a) <div>
 - b) <p>
 - c) <headerItem>
 - d) <nav>
 - e) <section>
 - f) <details>
 - g) <content>

- ◆ Which of the following tags is semantically the most appropriate?

```
<body>
  <header>
    <h1>Telerik Academy</h1>
    <nav>
      <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">Software Academy</a></li>
        <li><a href="#">Courses</a></li>
        <li><a href="#">Resources</a></li>
      </ul>
    </nav>
  </header>
</body>
```

- ◆ The **<nav>** tag defines a section of navigation links

- ◆ Combine the text and the tags in the below HTML fragment so that the result is semantically correct markup?

```
<...>
<...>
    <...>C# програмиране - част I</...>
</...>
<p> В бесплатния курс "HTML основи" се изучават основите
на уеб програмирането. Разглеждат се начални понятия
за уеб, като браузъри, уеб сървъри, системата клиент-
сървър, инструменти за разработка, езика HTML и
др..
</p>
</...>
```

To be continued...

- ◆ Combine the text and the tags so that the result is semantically correct markup?

- a) <article>, <header>, <h1>, </h1>, </header>, </article>
- b) <article>, <div>, , , </div>, </article>
- c) <div>, <header>, , , </header>, </div>
- d) <div>, <p>, <h1>, </h1>, </p>, </div>
- e) <div>, <div>, , , </div>, </div>

- ◆ Combine the text and the tags so that the result is semantically correct markup?

```
<article>
  <header>
    <h1>C# програмиране - част I</h1>
  </header>
  <p> В бесплатния курс "HTML основи" се изучават основите
     на уеб програмирането. Разглеждат се начални понятия
     за уеб, като браузъри, уеб сървъри, системата клиент-
     сървър, инструменти за разработка, езика HTML и
     др..
  </p>
</article>
```

- ◆ Combine the text and the tags so that the result is semantically correct markup?

```
<...>  
  <...>CSS</...>  
    <...>Cascading Style  
      Sheets</...>  
  <...>PHP</...>  
    <...>PHP: Hypertext  
      Preprocessor</...>  
  <...>HTML</...>  
    <...>HyperText Markup  
      Language</...>  
</...>
```

- a) <dd><dt></dt><dl>
 </dl></dd>
- b) <dl><td></td><tr>
 </tr></dl>
- c) <dt><dl></dl><dd>
 </dd></dt>
- d) <dl><dt></dt><dd>
 </dd></dl>

- ◆ Combine the text and the tags so that the result is semantically correct markup?

```
<dl>
    <dt>CSS</dt>
        <dd>Cascading Style Sheets</dd>
    <dt>PHP</dt>
        <dd>PHP : Hypertext Preprocessor</dd>
    <dt>HTML</dt>
        <dd>HyperText Markup Language</dd>
</dl>
```

- ◆ A definition list is a list of items, with a description of each item

Sample HTML Test

Questions?

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- ◆ html5course.telerik.com

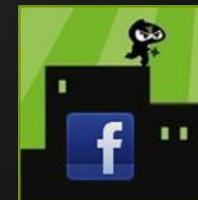
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