

Elements, Tags and Attributes

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objectives



Learning Objectives

- ▶ **Elements**



Learning Objectives

- ▶ **Elements**
- ▶ **Tags**



Learning Objectives

- ▶ **Elements**
- ▶ **Tags**
- ▶ **Attributes**



Prerequisite



Prerequisite

- ▶ You should know to use any WYSIWYG or Text Editor and a Web Browser



Prerequisite

- ▶ **You should know to use any WYSIWYG or Text Editor and a Web Browser**
- ▶ **If not, then go through gedit Text Editor and Firefox tutorials on <http://spoken-tutorial.org>**



System Requirements



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- ▶ Ubuntu Linux 16.04 OS



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- ▶ HTML 5



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- ▶ gedit **Text Editor**



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- ▶ Ubuntu Linux 16.04 OS
- ▶ HTML 5
- ▶ gedit **Text Editor**
- ▶ Firefox **Web Browser**



Code Files

- ▶ The files used in this tutorial are available in the [Code Files link](#) on this tutorial page



Code Files

- ▶ The files used in this tutorial are available in the Code Files link on this tutorial page
- ▶ Please download and extract them



HTML Elements

- ▶ **HTML document contains a set of elements**



HTML Elements

- ▶ **HTML document contains a set of elements**
- ▶ **Each element consists of some content between tags**



HTML Elements

- ▶ **Some elements don't require any content - Empty Elements**



HTML Elements

- ▶ **Some elements don't require any content** - Empty Elements
- ▶ **We can also have** Nested Elements



HTML Tags

- ▶ The contents to be structured on the web are defined by Tags



HTML Tags

- ▶ The contents to be structured on the web are defined by Tags
- ▶ **Written in between the**
`<>` (angular brackets)



HTML Tags

- ▶ The contents to be structured on the web are defined by Tags
- ▶ Written in between the `<>` (angular brackets)
- ▶ Tags **will have a start and an end**



HTML Tags

- ▶ The contents to be structured on the web are defined by Tags
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HTML Tags

- ▶ The contents to be structured on the web are defined by Tags
- ▶ Written in between the `<>` (angular brackets)
- ▶ Tags will have a start and an end

`<tag-name>` content `</tag-name>`



HTML Tags

- ▶ End tag **contains a /** (forward slash) **before the tag name**



HTML Tags

- ▶ End tag **contains a /** (forward slash) **before the tag name**
- ▶ **Some tags don't require an end tag**



HTML Tags

- ▶ End tag **contains a /** (forward slash) **before the tag name**
- ▶ **Some tags don't require an end tag**
- ▶ HTML Tags **are not** case sensitive



HTML Tags

- ▶ End tag **contains a /** (forward slash) **before the tag name**
- ▶ **Some tags don't require an end tag**
- ▶ HTML Tags **are not** case sensitive
- ▶ **It is advisable to use lower-case**



Attributes



Attributes

- ▶ **Additional information pertaining to an Element**



Attributes

- ▶ **Additional information pertaining to an Element**
- ▶ **Written inside the starting tag**



Attributes

- ▶ **Additional information pertaining to an Element**
- ▶ **Written inside the starting tag**
- ▶ **Declared by** name - value pair **separated by** = symbol



Attributes

- ▶ **Additional information pertaining to an Element**
- ▶ **Written inside the starting tag**
- ▶ **Declared by name - value pair separated by = symbol**

```
<tag-name attr-name=attr-value>  
content </tag-name>
```



Attributes

- ▶ **Values containing spaces have to be entered within single or double quotes**



Attributes

- ▶ **Values containing spaces have to be entered within single or double quotes**

```
<tag-name attr-name="attr value">  
content </tag-name>
```



Attributes

- ▶ **Multiple attributes can be specified with help of ; (semicolon) separator**



Attributes

- ▶ **Multiple attributes can be specified with help of ; (semicolon) separator**

```
<tag-name attr-name1="attr value";  
attr-name2="attr value"> content  
</tag-name>
```



Common Attributes



Common Attributes

- ▶ **title**



Common Attributes

- ▶ **title**
- ▶ **href**



Common Attributes

- ▶ **title**
- ▶ **href**
- ▶ **id**



Common Attributes

- ▶ **title**
- ▶ **href**
- ▶ **id**
- ▶ **class**



Common Attributes

- ▶ **title**
- ▶ **href**
- ▶ **id**
- ▶ **class**
- ▶ **style**



Quotes

- ▶ **Values that contain more than one word, can be declared within single or double quotes**



Quotes

- ▶ **Values that contain more than one word, can be declared within single or double quotes**
- ▶ **It is mandatory to close the quotes, else the attribute won't be applied**



Summary

- ▶ Elements
- ▶ Tags: Pair Tags **and** Self Closing Tags
- ▶ **Declaration of** attributes
- ▶ Single **and** Double quoted attributes



Assignment

- ▶ **Open** `MyHomePage.html` **which you created earlier**
- ▶ **Set the background of the page to yellow**
- ▶ **Write two paragraphs with `p` tag**
- ▶ **Create a line break between the two paragraphs**



Assignment

- ▶ **Set the title for the first paragraph as It's my first paragraph**
- ▶ **Open the html page in a web browser and see the output**



About the Spoken Tutorial Project

- ▶ Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to contact@spoken-tutorial.org



Forum for Specific Questions

- ▶ Do you have questions in **THIS Spoken Tutorial?**
- ▶ Please visit <http://forums.spoken-tutorial.org>
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ Someone from our team will answer them



Acknowledgements

- ▶ Spoken Tutorial Project is a part of the Talk to a Teacher project
- ▶ It is supported by the National Mission on Education through ICT, MHRD, Government of India
- ▶ More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>



Thank You

Thanks for joining
<http://spoken-tutorial.org>

