

Block Elements and Layouts

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Praveen S
IIT Bombay
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Learning Objectives



Learning Objectives

- ▶ **Block level elements like `div` and `span`**



Learning Objectives

- ▶ **Block level elements like `div` and `span`**
- ▶ **HTML5 layouts**



Prerequisite



Prerequisite

- ▶ You should have basic knowledge of HTML



Prerequisite

- ▶ You should have basic knowledge of HTML
- ▶ If not, then go through the corresponding tutorials on <https://spoken-tutorial.org>



System Requirements



System Requirements

- ▶ Ubuntu Linux 16.04 OS



System Requirements

- ▶ Ubuntu Linux 16.04 OS
- ▶ HTML5



System Requirements

- ▶ Ubuntu Linux 16.04 OS
- ▶ HTML5
- ▶ gedit **Text Editor**



System Requirements

- ▶ Ubuntu Linux 16.04 OS
- ▶ HTML5
- ▶ 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 Elements

- ▶ **Block level elements**



HTML Elements

- ▶ **Block level elements**
- ▶ **Inline elements**



Block Level Elements

- ▶ **Block level elements are used to create individual blocks in the HTML document**



Block Level Elements

- ▶ **Block level elements are used to create individual blocks in the HTML document**
- ▶ **Each block level element starts on a new line**



Block Level Elements

- ▶ It also creates a line break at the start and end on its own



Block Level Elements

- ▶ It also creates a line break at the start and end on its own
- ▶ We can create a block element inside another block element



Inline Elements

- ▶ **Inline elements can be added anywhere in the line**



Inline Elements

- ▶ **Inline elements can be added anywhere in the line**
- ▶ **It won't create any line break**



Inline Elements

- ▶ Inline elements can be added anywhere in the line
- ▶ It won't create any line break
- ▶ They are individual tags



Block Level Elements

- ▶ **Paragraph Tag**
- ▶ **Heading Tags**
- ▶ **List Tags**
- ▶ **Div Tag**
- ▶ **Form Tag**
- ▶ **Table Tag**



Inline Elements

- ▶ **Bold, Italic, Underline**
- ▶ **Superscript and Subscript**
- ▶ **Emphasize, Big, Small, Strong**
- ▶ **Insert, Delete, Code, Cite**
- ▶ **Span**



div tag

- ▶ Division or div tag **is a block level tag**



div tag

- ▶ Division or div tag **is a block level tag**
- ▶ **With the help of div tag and CSS, we can create:**



div tag

- ▶ Division or div tag **is a block level tag**
- ▶ **With the help of div tag and CSS, we can create:**
 - ▶ **Groups for a set of data presentation**



div tag

- ▶ Division or div tag **is a block level tag**
- ▶ **With the help of div tag and CSS, we can create:**
 - ▶ Groups for a set of data presentation
 - ▶ **Web layouts**



Note



Note

- ▶ **We can create the same look using Table tag also**



Note

- ▶ We can create the same look using Table tag also
- ▶ But that is not a good practice for creating blocks or layouts



Note

- ▶ **Creating a block or layout using `div` tag is more easy and flexible**



Note

- ▶ **Creating a block or layout using `div` tag is more easy and flexible**
- ▶ **But it requires lot of practice to become an expert in `div` tag for creating good layouts**



span tags



span tags

Span tag can be



span tags

Span tag can be

- ▶ **Used to group the inline elements**



span tags

Span tag can be

- ▶ **Used to group the inline elements**
- ▶ **Used to set different styles for a particular section**



span tags

Span tag can be

- ▶ **Used to group the inline elements**
- ▶ **Used to set different styles for a particular section**
- ▶ **Inserted anywhere inside any tag**



HTML5 Layouts

- ▶ In HTML5 we can also create layouts without the `div` tag



HTML5 Layouts

- ▶ In HTML5 we can also create layouts without the `div` tag
- ▶ For each part of the webpage, we have the layout elements



HTML5 Layouts

- ▶ `<header>` - **Page headers**



HTML5 Layouts

- ▶ `<header>` - **Page headers**
- ▶ `<nav>` - **Navigations or Links**



HTML5 Layouts

- ▶ `<header>` - **Page headers**
- ▶ `<nav>` - **Navigations or Links**
- ▶ `<section>` - **Document sections**



HTML5 Layouts

- ▶ `<header>` - **Page headers**
- ▶ `<nav>` - **Navigations or Links**
- ▶ `<section>` - **Document sections**
- ▶ `<article>` - **Articles**



HTML5 Layouts

- ▶ `<header>` - **Page headers**
- ▶ `<nav>` - **Navigations or Links**
- ▶ `<section>` - **Document sections**
- ▶ `<article>` - **Articles**
- ▶ `<aside>` - **Sidebar contents**



HTML5 Layouts

- ▶ `<header>` - **Page headers**
- ▶ `<nav>` - **Navigations or Links**
- ▶ `<section>` - **Document sections**
- ▶ `<article>` - **Articles**
- ▶ `<aside>` - **Sidebar contents**
- ▶ `<footer>` - **Page footer**



Summary

In this tutorial, we have learnt about:

- ▶ **Block level elements**
- ▶ **Inline elements**
- ▶ `div` tag
- ▶ `span` tag
- ▶ **HTML5 layouts**



Assignment

- ▶ **Create a file named**
`MyWebLayout.html`
- ▶ **Create a 3 column layout using**
`div` tag



About the Spoken Tutorial Project

- ▶ Watch the video available at https://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 <https://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

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



Thank You

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

