

# Block Elements and Layouts

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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# Learning Objectives



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



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



# Prerequisite



# Prerequisite

- ▶ You should have basic knowledge of HTML



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- ▶ 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



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- ▶ Ubuntu Linux 16.04 OS
- ▶ HTML5



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- ▶ 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



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



- ▶ **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 tag can be**



# span tags

**Span tag can be**

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



## 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](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](mailto: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>

