First CSS File

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

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Learning Objectives

In this tutorial we will learn:

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In this tutorial we will learn:

▶ **Create a** CSS **file**

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In this tutorial we will learn:

▶ **Create a** CSS **file**

▶ **Syntax of** CSS

Learning Objectives

In this tutorial we will learn:

▶ **Create a** CSS **file**

▶ **Syntax of** CSS

▶ **Linking a** CSS **file with the** HTML **file**

System Requirements

This tutorial is recorded using

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This tutorial is recorded using

▶ Ubuntu Linux OS v 18.04

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- ▶ Ubuntu Linux OS v 18.04
- ▶ CSS3

System Requirements

This tutorial is recorded using

▶ Ubuntu Linux OS v 18.04

▶ CSS3

▶ HTML5

System Requirements

This tutorial is recorded using

- ▶ Ubuntu Linux OS v 18.04
- ▶ CSS3
- ▶ HTML5
- ▶ gedit **Text Editor**

System Requirements

This tutorial is recorded using

- ▶ Ubuntu Linux OS v 18.04
- ▶ CSS3
- ▶ HTML5
- ▶ gedit **Text Editor**
- ▶ Firefox **Web Browser**

Prerequisite

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▶ **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`
- **You should also have some basic knowledge of** `HTML`

Prerequisite

▶ **If not, please go through the** HTML **tutorials on https://spoken-tutorial.org**

Code Files

▶ **The files used in this tutorial are available in the** `Code Files` **link on this tutorial page**

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▶ **Please download and extract them**

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▶ **Make a copy and then use them while practising**

CSS Syntax

▶ selector {property:value}

CSS Syntax

▶ `selector {property:value}`

CSS Syntax

▶ selector {property:value}

CSS Selector

CSS Selector

▶ **Element**

CSS Selector

▶ **Element**
▶ **Descendant**

CSS Selector

▶ **Element**

▶ **Descendant**

▶ **Grouping**

CSS Selector

- ▶ **Element**
- ▶ **Descendant**
- ▶ **Grouping**
- ▶ **Universal**

CSS Selector

- Element
- Descendant
- Grouping
- Universal
- Id

CSS Selector

- Element
- Descendant
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- Universal
- Id
- Class

CSS Declaration

▶ Declaration **assigns a particular** property **and** value **to the** selector

CSS Declaration

▶ Declaration **assigns a particular** property **and** value **to the** selector

▶ **We can declare multiple style** properties **for a** selector **using a** semicolon

CSS Declaration

▶ Declaration **has to be written inside the** braces

Syntax Example

```
body {
        background-color:yellow;
}
```

Note:

▶ CSS **file is a dependent file**

Note:

► CSS **file is a dependent file**
► **It must be linked with a** HTML **file to see the changes**

CSS Selector

► Descendant: **Will set the style if a defined element comes inside a particular element**

CSS Selector

▶ Descendant: **Will set the style if a defined element comes inside a particular element**

▶ Grouping: **Will set the same styles for multiple elements**

CSS Selector

► Universal: **Will set the styles of all the** HTML elements **at the same time**

CSS Selector

▶ `Universal:` **Will set the styles of all the** `HTML elements` **at the same time**

▶ `Id:` **Will set the style for a single unique element**

CSS Selector

- ▶ `Universal:` **Will set the styles of all the** `HTML elements` **at the same time**
- ▶ `Id:` **Will set the style for a single unique element**
- ▶ `Class:` **Will set the style for more than one element**

Descendant Selector Example

p b {color:green;}

Descendant Selector Example

p b {color:green;}

- **If the b tag comes inside the p tag, text color will be set to green**

Descendant Selector Example

p b {color:green;}

- ▶ **If the b tag comes inside the p tag, text color will be set to green**
- ▶ **We have to give a space between both the elements**

Grouping Selector Example

h1, h2, h3 {background-color:red;}

Grouping Selector Example

`h1, h2, h3 {background-color:red;}`

- ► **The background color for the `h1`, `h2` and `h3` `tags` will be set to red**

Grouping Selector Example

h1, h2, h3 {background-color:red;}

- **The background color for the h1, h2 and h3 tags will be set to red**
- **We have to use comma between the elements**

Universal Selector Example

* {color:blue;}

Universal Selector Example

* {color:blue;}

▶ **This will set the text color for the entire page to blue**

Universal Selector Example

* * {color:blue;}
  - ▶ **This will set the text color for the entire page to blue**
  - ▶ **Instead of element names, we have to use the** * symbol **as a** selector

id Selector Example

`#list1 {color:blue;}`

In CSS**, we have** `hash symbol` **and a** `name` **next to the** `id` **as a** `selector`

id Selector Example

```
<ul id="list1">
    <li>HTML< /li>
    <li>CSS< /li>
    <li>Java Script< /li>
< /ul>
```

In `HTML`**, we have to use** `id = "name of the id"` **inside the respective element's start tag**

class Selector Example

.list1 {color:blue;}

In CSS, **we have** dot operator **and a** name **of the** class **as a** selector

class Selector Example

```
<ul class="list1">
    <li>HTML< /li>
    <li>CSS< /li>
    <li>Java Script< /li>
< /ul>
```

In HTML**, we have to use** class = "name of the class" **inside the respective element's start** tag

Summary

In this tutorial, we have learnt:

- ▶ **How to create a** `CSS` **file**
- ▶ **Syntax of** `CSS`
- ▶ **About types of** `Selectors`
- ▶ **Style** `Declaration`
- ▶ **Linking a** `CSS` **file with a** `HTML` **file**

Assignment

▶ **Create a** `styles.css` **file using any** `text editor`

▶ **Set the** `background` **as** `lightblue`

▶ **Create a** `webpage.html` **file using any** `text editor`

Assignment

▶ **Link the** `styles.css` **file to** `webpage.html` **file**

▶ **Observe the output on the web browser**

About 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**

Answers for THIS Spoken Tutorial

- ▶ **Questions in THIS Spoken Tutorial?**

- ▶ **Visit**
  https://forums.spoken-tutorial.org

- ▶ **Choose the minute and second where you have the question**

- ▶ **Explain your question briefly**

- ▶ **The Spoken Tutorial project will ensure an answer**

You will have to register to ask questions

Forum for Specific Questions

- ▶ **The Spoken Tutorial forum is for specific questions on this tutorial**
- ▶ **Please do not post unrelated and general questions on them**
- ▶ **This will help reduce the clutter**
- ▶ **With less clutter, we can use these discussion as instructional material**

Acknowledgements

▶ **Spoken Tutorial project is funded by Ministry of Education (MoE), Govt. of India**

Thank You

Thanks for joining

https://spoken-tutorial.org