Font Properties in CSS

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:

► Font properties **of an** element **in** CSS

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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This tutorial is recorded using

- ▶ Ubuntu Linux OS v 18.04
- ▶ CSS3

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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 have basic knowledge of** HTML **and** CSS

Prerequisite

- **You should have basic knowledge of** HTML **and** CSS

- **If not, please go through the** HTML **and** CSS **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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- ▶ **Please download and extract them**
- ▶ **Make a copy and then use them while practising**

Font

Properties which we use to style the
`font` **of** `text` **in** CSS**:**

- `font-family`
- `font-style`
- `font-weight`
- `font-variant`
- `font-size`

Font Family

▶ `font-family` **property is used to set the** `font` **of the** `text`

Font Family

▶ `font-family` **property is used to
set the** `font` **of the** `text`

▶ **One or more** `fonts`, **separated by**
`commas`, **are used to specify the**
`font-family`

Font Family

▶ **Sometimes the user's system doesn't contain the first** `font`

Font Family

- **Sometimes the user's system doesn't contain the first** `font`
- **Then the browser uses the second** `font` **and so on**

Font Family

▶ **Sometimes the user's system doesn't contain the first** `font`

▶ **Then the browser uses the second** `font` **and so on**

▶ `Font` **should be written priority wise from highest to lowest**

Font Family

▶ **The last** `font` **should ideally be a** `generic font`

Font Family

▶ **The last** `font` **should ideally be a** `generic font`

▶ **For example:** `serif, sans-serif, monospace,` **etc.**

Font Style

`font-style` **property is used to** `style` **the** `font` **of the** `text`

Font Style

Values of this property are:

Font Style

Values of this property are:

- normal **(default): sets the** style **of** text **to normal**

Font Style

Values of this property are:

- ▶ `normal` **(default): sets the** `style` **of** `text` **to normal**

- ▶ `italic`**: sets the** `style` **of** `text` **to italics**

Font Style

Values of this property are:

▶ `normal` **(default): sets the** `style` **of** `text` **to normal**

▶ `italic`**: sets the** `style` **of** `text` **to italics**

▶ `oblique`**: sets the** `style` **of** `text` **to slanted or sloped form**

Font Weight

`font-weight` **property specifies how thick the** `font` **of the** `text` **should be**

Font Weight

Values of this property are:

Font Weight

Values of this property are:

▶ Keywords:

Font Weight

Values of this property are:

- Keywords:
  - normal, bold, lighter **and** bolder

Font Weight

Values of this property are:

- ► Keywords**:**
  - ► normal, bold, lighter **and** bolder
- ► Numeric :

Font Weight

Values of this property are:

- Keywords**:**
  - normal, bold, lighter **and** bolder
- Numeric :
  - 400 **equals to** normal

Font Weight

Values of this property are:

- Keywords:
  - normal, bold, lighter **and** bolder
- Numeric :
  - 400 **equals to** normal
  - 700 **equals to** bold

Font Variant

`font-variant` **decides whether the** `font` **of a** `text` **should be** `small capital` **or not**

Font Variant

Values of this property are:

Font Variant

Values of this property are:

- ▶ `small-caps`:

Font Variant

Values of this property are:

- ▶ `small-caps`:
  - ▶ **Convert all the letters to** uppercase **letters**

Font Variant

Values of this property are:

▶ `small-caps`:

  ▶ **Convert all the letters to** `uppercase` **letters**

  ▶ **Sets the** `font` **size smaller than the** `uppercase` **letters**

Font Variant

Values of this property are:

- normal: **removes the** small-cap **property**

Font Size

▶ `font-size` **property specifies the size of the** `text`

Font Size

- `font-size` **property specifies the size of the** `text`

- **The default** `font` **size in most of the browsers is set to** $16px$

Font Size

Values of this property are:

Font Size

Values of this property are:

▶ Length values: **pixels, cm, points, em, etc**

Font Size

Values of this property are:

- Length values: **pixels, cm, points, em, etc**
- Keywords: **absolute, relative**

Font Size

Values of this property are:

▶ Length values: **pixels, cm, points, em, etc**

▶ Keywords: **absolute, relative**

▶ Percentage

Absolute keywords

Absolute keywords

▶ Absolute keywords: **sets the** font **size based on default** font **size**

Absolute Keywords

These are the values of absolute keywords:

- `xx-small`
- `x-small`
- `small`

- `xx-large`
- `x-large`
- `large`

- `medium` **(equals to default font size)**

Relative keywords

- Relative keywords: **sets the** font **size relative to parent** elements

Relative keywords

- Relative keywords: **sets the** font **size relative to parent** elements
- **The** keywords **are:**

Relative keywords

- Relative keywords: **sets the** font **size relative to parent** elements
- **The** keywords **are:**
  - smaller

Relative keywords

- Relative keywords: **sets the** font **size relative to parent** elements
- **The** keywords **are:**
    - smaller
    - larger

Shorthand

▶ **Using shorthand, we can write all the** `font` `properties` **in a single line**

Shorthand

- **Using shorthand, we can write all the** `font` `properties` **in a single line**

- `font-size` **and** `font-family` **values are mandatory for** `font` **property in shorthand**

Summary

In this tutorial, we have learnt:

▶ Font properties **of an** element **in** CSS

Assignment

▶ **Open the file** `styles.css` **which you have created earlier**

Assignment

- **Using shorthand, set the following** `properties` **to the** `paragraph`**:**

  - `font-family` **to** `Arial`
  - `font-style` **to** `oblique`
  - `font-weight` **to** `400`
  - `font-variant` **to** `small-caps`
  - `font-size` **to** 18px

Assignment

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

▶ **Observe the output**

About 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

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▶ **Gives certificates to those who pass an online test**

▶ **For more details, please write to contact@spoken-tutorial.org**

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- ▶ **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

Acknowledgements

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

Thank You

Thanks for joining

https://spoken-tutorial.org