



CSS Text and Fonts

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Your Notes

CSS Text And Fonts



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**CSS Text and Font
Formatting**



Text formatting

- To manipulate the HTML text, CSS text formatting properties are used.
- Text formatting properties of CSS are:
 - color.
 - direction.
 - letter-spacing.
 - word-spacing.
 - text-indent.
 - text-align.
 - text-decoration.
 - text-transform.
 - white-space.

The screenshot shows a Microsoft PowerPoint slide with the title "Text Color". The slide content includes:

- The text color of the HTML text can be modified by using **color** property.
- Example:

```
h1{
  color: red;
}
```

 Below the slide content is a navigation bar with four items: "Text formatting", "Text properties", "Font formatting", and "Font properties".

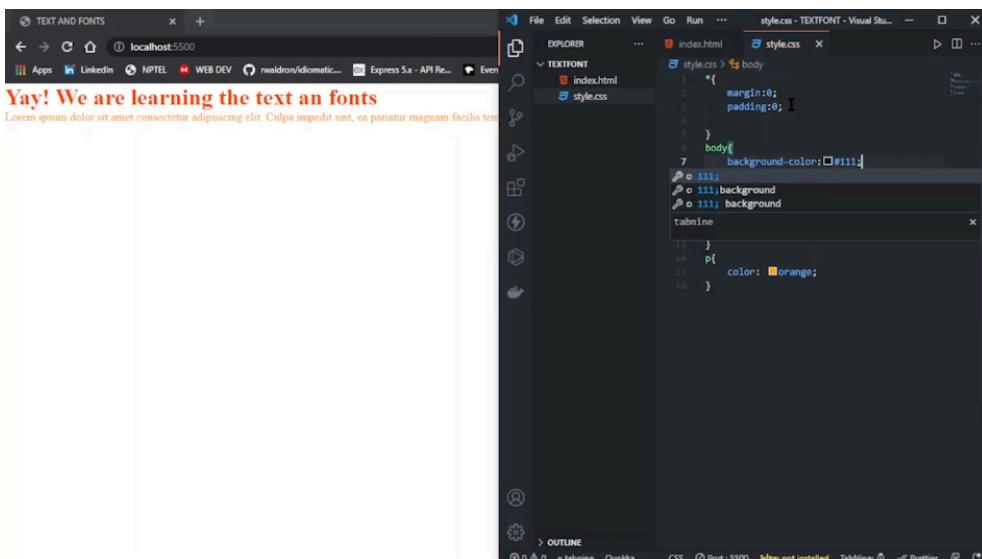
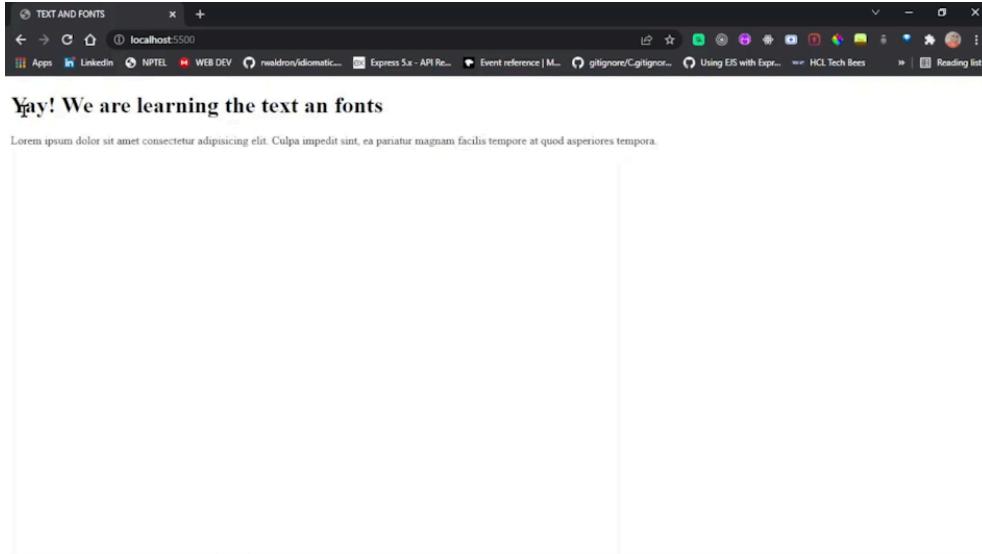
The screenshot shows a Visual Studio Code interface. The code editor on the right contains the following HTML and CSS code:


```
index.html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TEXT AND FONTS</title>
  </head>
  <body>
    <h1>Yay! We are learning the text and fonts!</h1>
    <p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Sunt ut enim nisi unde, quod, natus, quia doloremque ipsam quibusdam vel?</p>
  </body>
</html>
```

 The left side of the interface features a search results panel with the following entries:

- 30 Seconds of Knowledge**
- JavaScript**
- mapObject**
 - Maps the values of an array to an object using a function where each original value is the key and the mapped value.
 - Use an anonymous inner function scope to declare an unbound variable and return value. Use a new Array to store the array with map operator to return a second step, without needing to memorize the order of operations.

```
const mapObject = (arr, fn) =>
  arr.map(fn)
    .reduce((acc, val) =>
      acc[val] = fn(val)
    , {})
```



Text Color

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- The text color of the HTML text can be modified by using **color** property.
- Example:

```

h1{
    color: red;
}

```



Text Direction

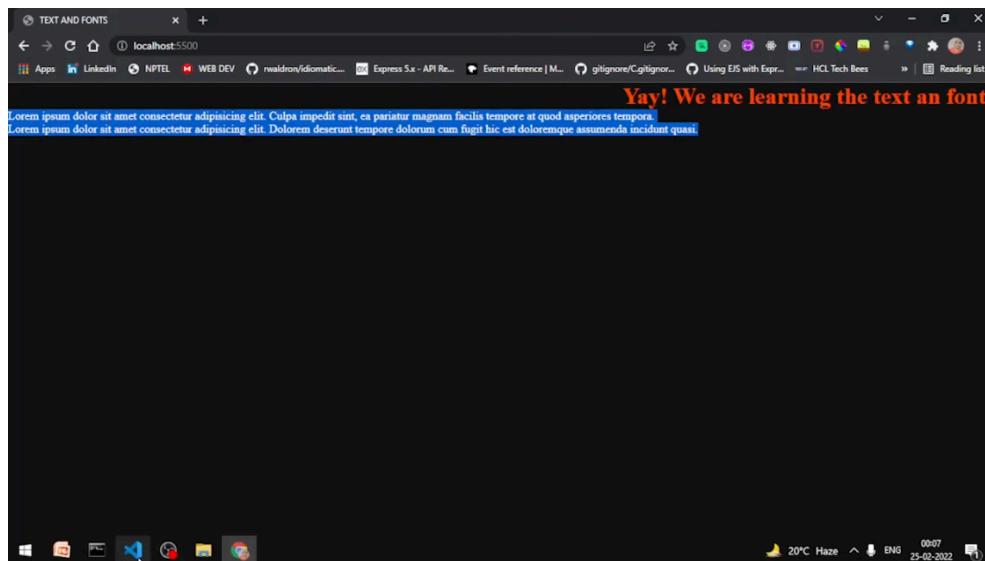
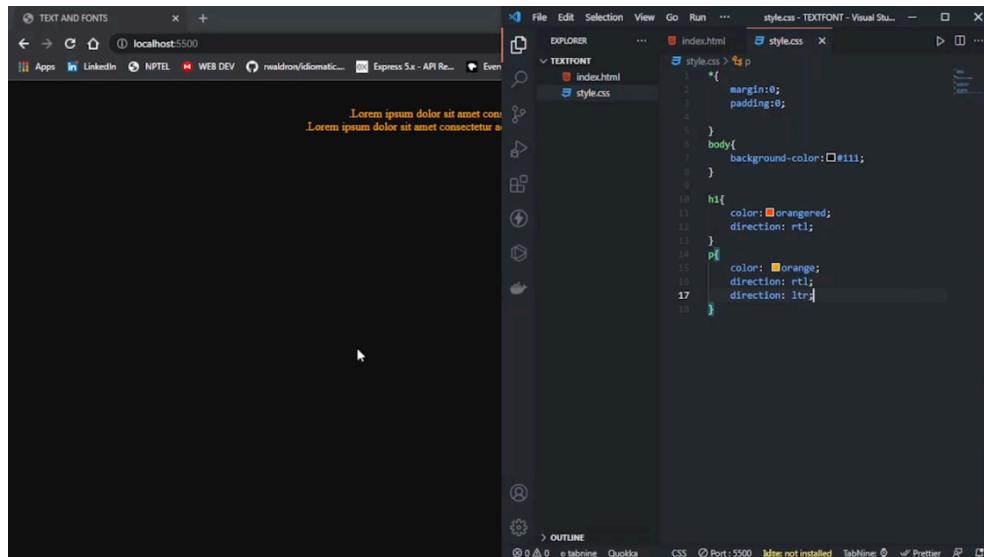
Text Direction

- The direction can be specified to the HTML elements by using direction property.
- The possible values of property direction are:
 - rtl - right to left.
 - ltr - left to right.

```
.ritole{
  direction: rtl;
}

.letori{
  direction: ltr;
}
```

Right to left direction
Left to right direction



Letter Spacing.

normal is default property in letter spacing.

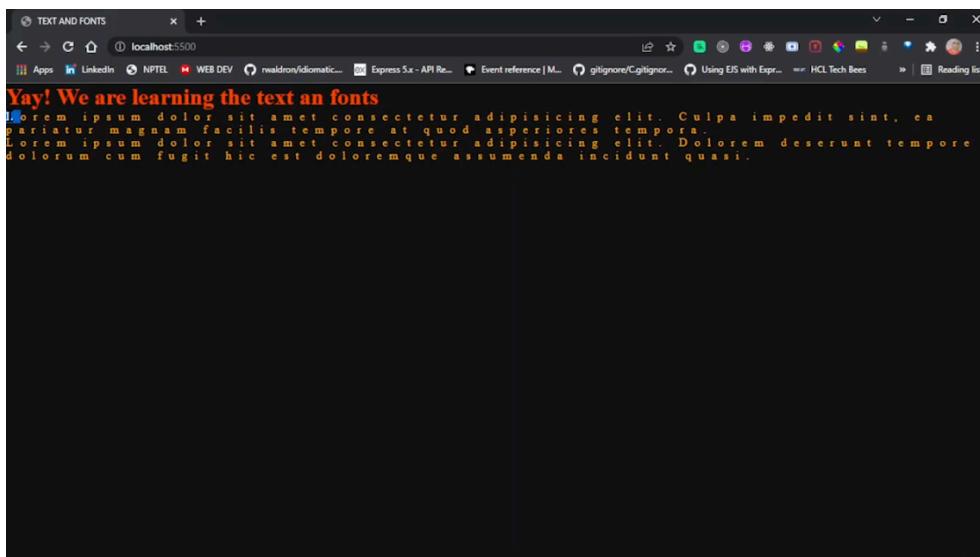
letter-spacing : 10px ; every letter separated by 10px space.

Yay! We are learning the text an fonts

```

1 *{
2   margin:0;
3   padding:0;
4 }
5 }
6 body{
7   background-color:#111;
8 }
9
10 h1{
11   color:#orangered;
12   /* direction: rtl; */
13 }
14 p{
15   color: #orange;
16   direction: rtl;
17   direction: ltr;
18   /* letter-spacing: normal; */
19   letter-spacing: 10px;
20 }

```



Word-spacing

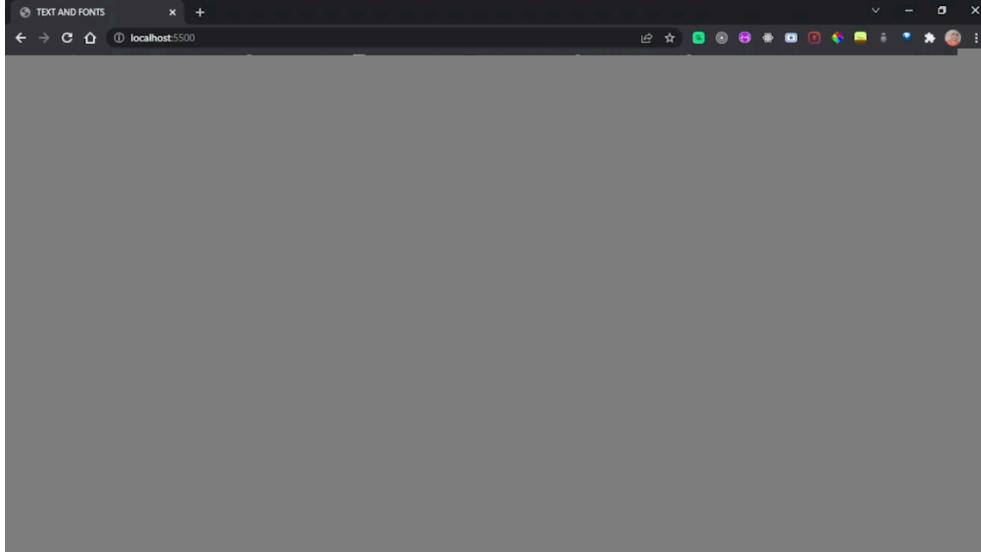
word-spacing : 20px ; every word seperated by 20px space.

Yay! We are learning the text an fonts

```

1 *{
2   margin:0;
3   padding:0;
4 }
5 }
6 body{
7   background-color:#111;
8 }
9
10 h1{
11   color:#orangered;
12   /* direction: rtl; */
13 }
14 p{
15   color: #orange;
16   direction: rtl;
17   direction: ltr;
18   /* letter-spacing: normal; */
19   letter-spacing: 10px;
20   word-spacing: 10px;
21 }

```



Word Spacing

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- The space between two words can be manipulated by using the word-spacing property.
- Possible values for the word-spacing are:
 - normal.
 - Number specifying values (5 px, 10px)
- Example:

```
.spacing{  
    word-spacing: 20px;  
}
```



Text Indent

Text Indent

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- To indent the first line of the paragraph the text-indent property is used.
- Example:

```
.spacing{  
    letter-spacing: normal;  
    text-indent: 2cm;  
}
```



The screenshot shows the Visual Studio Code interface with two tabs open: 'index.html' and 'style.css'. The 'style.css' tab contains the following CSS code:

```

* {
    margin: 0;
    padding: 0;
}

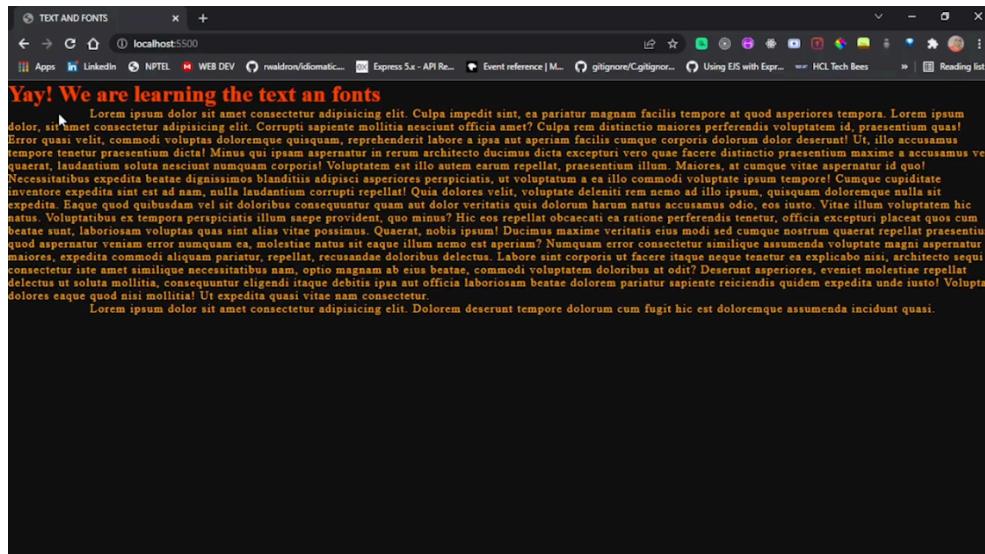
body {
    background-color: #fff;
}

h1 {
    color: orange;
    /* direction: rtl; */
}

p {
    color: orange;
    direction: rtl;
    /* direction: ltr;
    /* letter-spacing: normal;
    letter-spacing: 1.5px;
    /* word-spacing: 20px; */
    text-indent: 3em;
}

```

A tooltip is displayed over the 'text-indent' property, listing its possible values: '3em', '3em /* indent', '3em /* line', and '3em /* word'.



Text Alignment

Text Alignment

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- To align the text, `text-align` property is used.
- The possible values are.
 - Left.
 - Right.
 - Center.
 - Justify.

- Example:

```
.spacing{
    letter-spacing: normal;
    width: 800px;
    text-align: right;
}
```



The screenshot shows a browser window displaying the text "Yay! We are learning the text an fonts" and a VS Code editor with a CSS file named "style.css". The CSS code includes rules for "p", "body", "h1", and "p" elements, setting colors, directions, letter-spacing, word-spacing, and text-indent. A tooltip for the "text-align" property is visible in the bottom right corner of the code editor.

```

p {
    margin: 0;
    padding: 0;
}
body {
    background-color: #fff;
}
h1 {
    color: orange;
    /* direction: rtl; */
}
p {
    color: orange;
    direction: rtl;
    direction: ltr;
    /* letter-spacing: normal; */
    letter-spacing: 1.5px;
    /* word-spacing: 20px; */
    text-indent: 3em;
    text-align: center;
}

tabnine > p.o_center {
    text-align: center;
}
p.o_center {
    text-align: center;
}
p.o_center /* */

```

The screenshot shows a browser window displaying the same text "Yay! We are learning the text an fonts" with the CSS styles applied. The text is centered and colored orange, demonstrating the effect of the CSS rules defined in the previous screenshot.

text-align : left; this is default

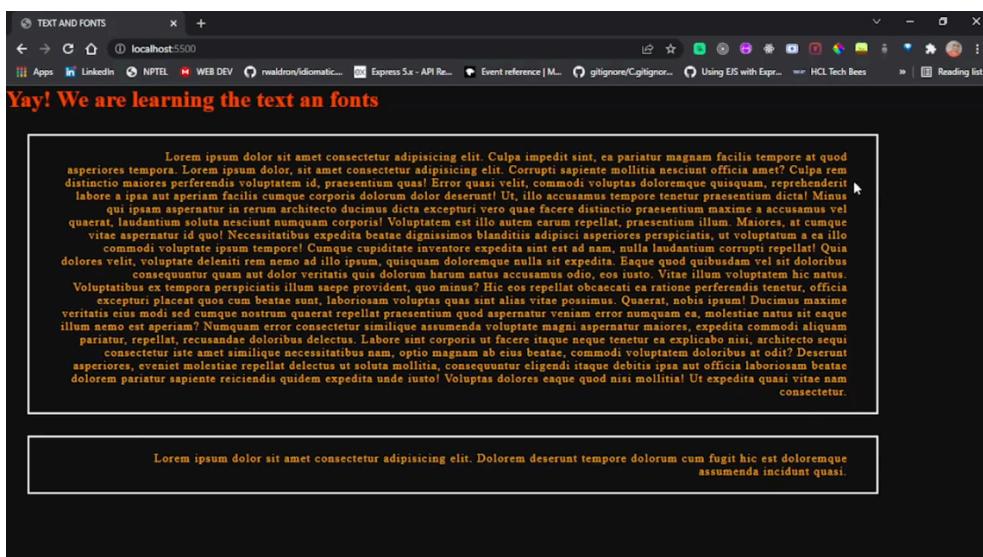
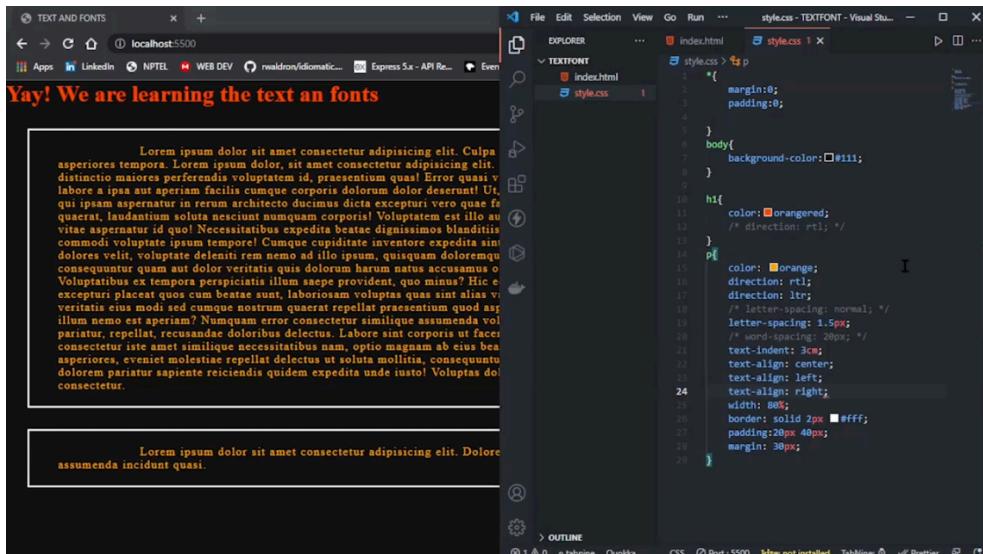
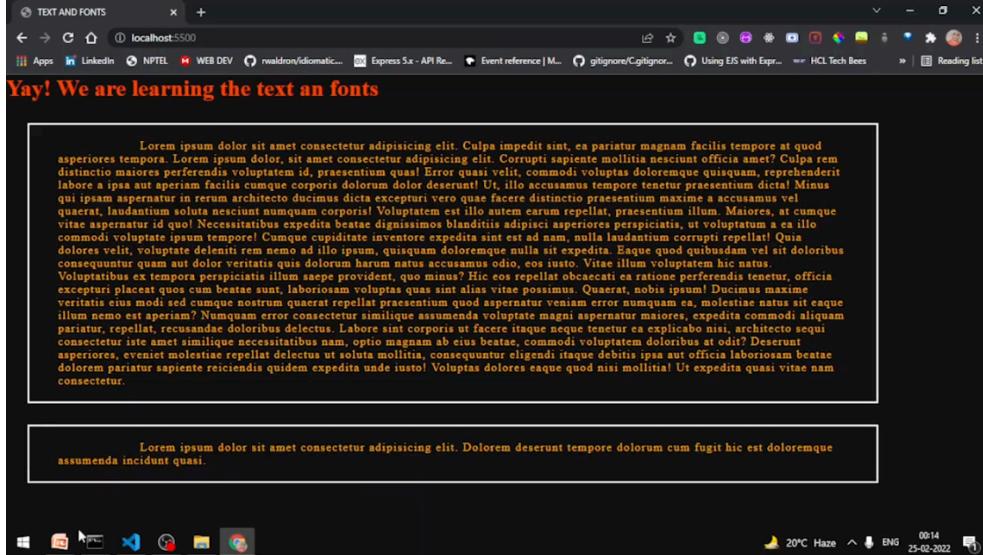
The screenshot shows a browser window displaying the text "Yay! We are learning the text an fonts" and a VS Code editor with the same CSS file. A tooltip in the bottom right corner of the code editor explains the "left" value for the "text-align" property, stating that inline contents are aligned to the left edge of the line box. The code editor also shows a tooltip for the "text-align: left;" declaration.

```

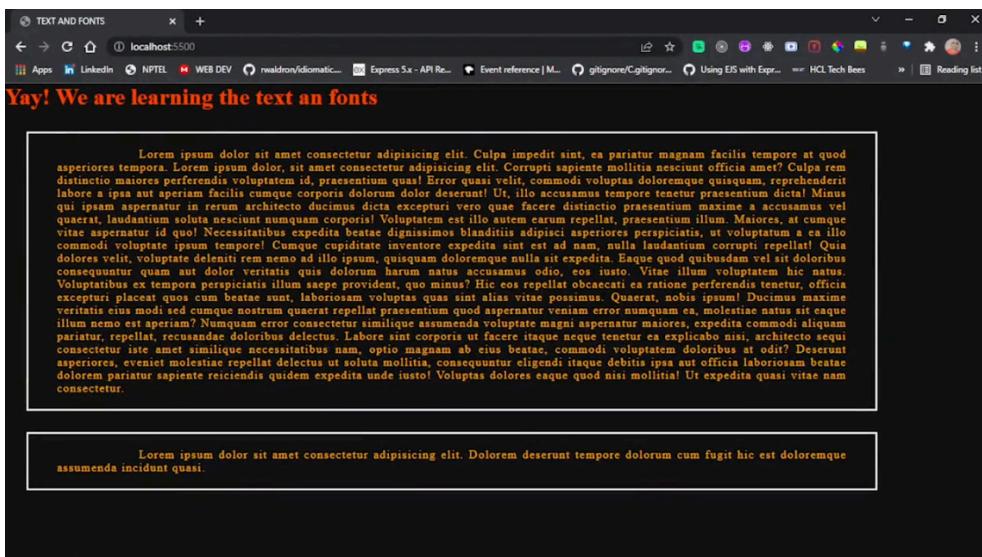
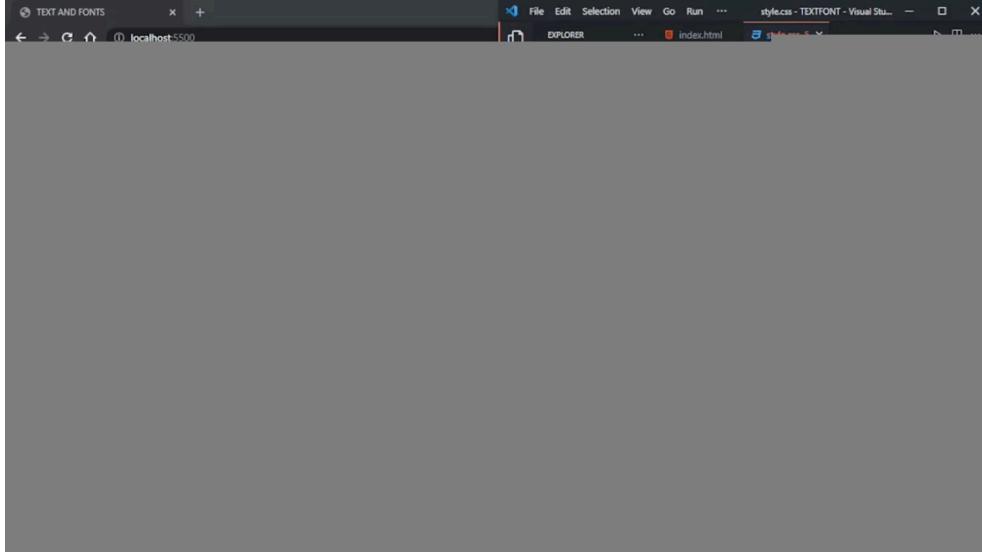
p {
    margin: 0;
    padding: 0;
}
body {
    background-color: #fff;
}
h1 {
    color: orange;
    /* direction: rtl; */
}
p {
    color: orange;
    direction: rtl;
    direction: ltr;
    /* letter-spacing: normal; */
    letter-spacing: 1.5px;
    /* word-spacing: 20px; */
    text-indent: 3em;
    text-align: left;
}

The inline contents are aligned to the left edge of the line box. In vertical text, 'left' aligns to the edge of the line box that would be the start edge for left-to-right text.

```



text-align : Justify;



Text Decoration

Text Decoration

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- The text decorations like underline, strike through, overline, blink can be added to the text by using text-decoration property.
- The possible values are:
 - underline.
 - overline.
 - line-through.
 - blink.
 - none.

```
.decoration{
  text-decoration: underline;
```



text-decoration : none (default property)

```

body{
    background-color: #fff;
}

h1{
    color: orange;
    /* direction: rtl; */
    /* direction: ltr; */
    /* letter-spacing: normal; */
    letter-spacing: 1.5px;
    /* word-spacing: 20px; */
    text-indent: 3em;
    text-align: center;
    text-align: left;
    text-align: right;
    text-align: justify;
    width: 800px;
    border: solid 2px #fff;
    padding: 20px 40px;
    margin: 30px;
}

.decoration{
    color: #fff;
    text-decoration: none;
}
  
```

Produces no line.

text-decoration : overline

text-decoration : line-through;

The screenshot shows a browser window with the URL `localhost:5500`. The page title is "Yay! We are learning the text an fonts". There are two main text blocks. The top block has a yellow background and contains a large amount of placeholder text (Lorem ipsum) with several spans of different colors (blue, red, green, orange) scattered throughout. The bottom block has a black background and also contains placeholder text with colored spans.

text-decoration : blink;

The screenshot shows a browser window with the URL `localhost:5500`. The page title is "Yay! We are learning the text an fonts". Similar to the previous screenshot, it features two text blocks. The top block has a yellow background and the bottom block has a black background. In both cases, the placeholder text (Lorem ipsum) includes several spans of colored text, which are now flickering rapidly due to the `text-decoration: blink;` CSS rule.

text-decoration : underline;

The screenshot shows a browser window with the URL `localhost:5500`. The page title is "Yay! We are learning the text an fonts". It displays two text blocks with colored spans of placeholder text. The spans are now underlined, indicating that the `text-decoration: underline;` CSS rule has been applied to them.

Text-cases

Text Cases

- To change the cases of the character and words, text-transform property is used.
- The possible values are:
 - capitalize - First character of all the words will be in uppercase.
 - uppercase - all the characters of the words will be in uppercase.
 - lowercase - all the characters of the words will be in lowercase.
- Example:

```
.decoration{
  text-decoration: underline;
  text-transform: capitalize;
}
```



text-transform : uppercase;

```
LOREM IPSUM DOLOR SIT AMET CONSECTETUR ADIPISCING ELIT CORRUPTI SAPIENTE MOLLITIA MAIORES PERFERENDIS VOLUNTATEM ID, PRAESENTIUM QUA DOLOREMQUE QUISQUAM, REPREHENDERIT LABORE A IPSA AUT DOLOR DESERUNT UT ILLO ACCUSAMUS TEMPORE TENETUR PRAE RERUM ARCHITECTO DUCIMUS DICTA EXCEPTURI VERO QUAE ACCUSAMUS VEL QUAREAT LAUDANTIUM SOLITA NESCIENT NUN EARUM REPELLAT, PRAESENTIUM ILLUM MAIORES, AT CUMQU EXPEDITA BEATAE DIGNISSIMOS BLANDITIIS ADIPISCIS ASPIRORES I VOLUNTATEM IPSUM TEMPORE CUMQUE CUPIDITATE INVENTORE E CORRUPTI REPARAT, QUA DOLORES VELUT VOLUNTATE DEL DOLOREMOQUE NUNCA DEPENSAT, QUIDCUMQUE SUM VELL VERITATIS QVIS DOLORUM HARUM NATUS ACCUSAMUS ODIO, EC VOLUNTATIBUS EX TEMPORA PERSPICATIS ILLUM SAEPER PROVIDER RATIONE PERFERENDIS TENETUR, OFFICIA EXCEPTURI PLACΕAT Q QUAS SINT ALIAS VITAE POSSIMUS QUAREAT, NOBIS IPSUM DUC NOSTRUM QUARAT REPELLAT PRAESENTIUM QUOD ASPERNATUR SIT EAQUE ILLUM NEMO EST APERIAM? NUMQUAM ERROR CONSEC ASPERNATUR MAIORES, EXPEDITA COMMIDI ALIQUAM PARIATUR LABORE SINT CORPORIS UT FACERE ITAQUE NEQUE TENETUR EA E ISTE AMET SIMILIQUE NECESSITATIBUS NAM, OPTIO MAGNAM AB EI ODIT? DESERUNT ASPIRORES, EVENIET MOLESTIAE REPELLAT I ELIGENDI ITAQUE DEBITIS IPSA AUT OFFICIA LABORIOSAM BEATAE EXPEDITA UNDE JUSTOI VOLUNTATIS DOLORES EAQUE QUOD NI CONSECTETUR.
```

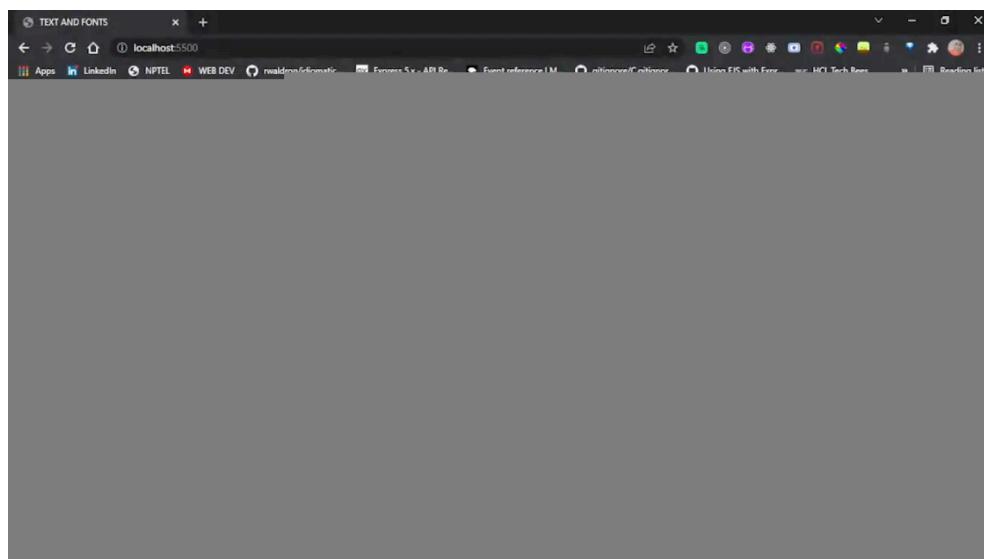
```
body {
  background-color: #fff;
}

h1 {
  color: orange;
  /* direction: rtl; */
  direction: ltr;
  /* letter-spacing: normal; */
  letter-spacing: 1.5px;
  /* word-spacing: 20px; */
  text-indent: 3em;
  text-align: center;
  text-align: left;
  text-align: right;
  text-align: justify;
  width: 80%;
  border: solid 2px #fff;
  padding: 20px 40px;
  margin: 30px;
  text-transform: uppercase;
}

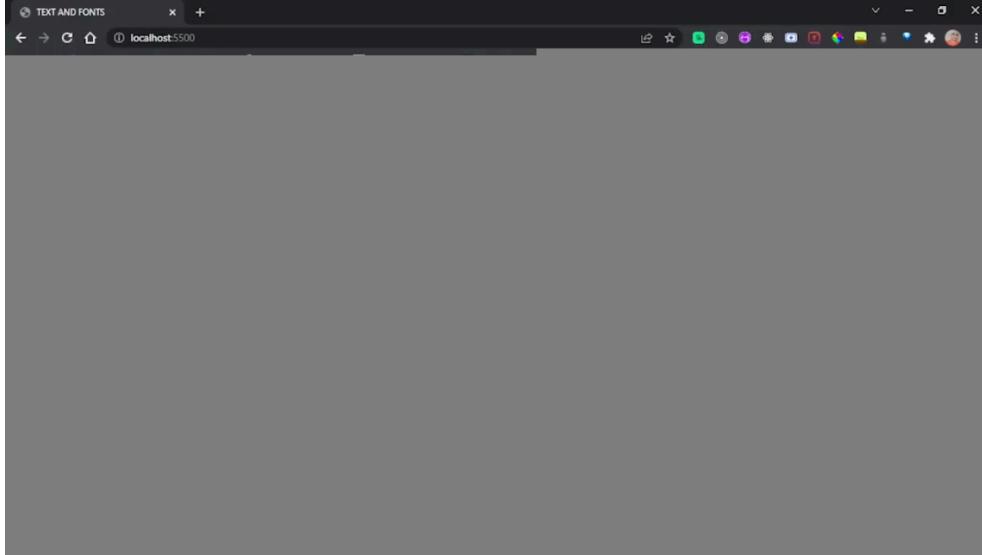
p {
  color: orange;
  direction: rtl;
  direction: ltr;
  /* letter-spacing: normal; */
  letter-spacing: 1.5px;
  /* word-spacing: 20px; */
  text-indent: 3em;
  text-align: center;
  text-align: left;
  text-align: right;
  text-align: justify;
  width: 80%;
  border: solid 2px #fff;
  padding: 20px 40px;
  margin: 30px;
  text-transform: uppercase;
}

.decoration{
  color: #fff;
  text-decoration:underline;
}
```

text-transform : lowercase;



text-transform : capitalize;



White Space

White Space

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- White space: Whitespace is **any string of text composed only of spaces, tabs or line breaks.**
- White space inside any html element can be handled by using white-space property.
- The possible values are:
 - pre** - Whitespace is preserved by the browser. Text will only wrap on line breaks. Acts like the <pre> tag in HTML.
 - normal** - Sequences of whitespace will collapse into a single whitespace. Text will wrap when necessary. This is the default value.
 - nowrap** - Sequences of whitespace will collapse into a single whitespace. Text will never wrap to the next line. The text continues on the same line until a
 tag is encountered.

Text formatting **Text properties** Font formatting Font properties

Text Shadow

CSS text and fonts.pptx - Microsoft PowerPoint

Home Insert Design Animations Slide Show Review View

White Space

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- White space: Whitespace is **any string of text composed only of spaces, tabs or line breaks.**
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 - nowrap** - Sequences of whitespace will collapse into a single whitespace. Text will never wrap to the next line. The text continues on the same line until a
 tag is encountered.

Text formatting **Text properties** Font formatting Font properties

The screenshot shows a Visual Studio Code interface with two tabs open: 'style.css' and 'index.html'. The 'style.css' tab contains the following CSS code:

```

p {
    text-align: center;
    text-align: left;
    text-align: right;
    text-align: justify;
    width: 80%;
    border: solid 2px #fff;
    padding: 20px 40px;
    margin: 30px;
    text-transform: uppercase;
    text-transform: lowercase;
    text-transform: capitalize;
}

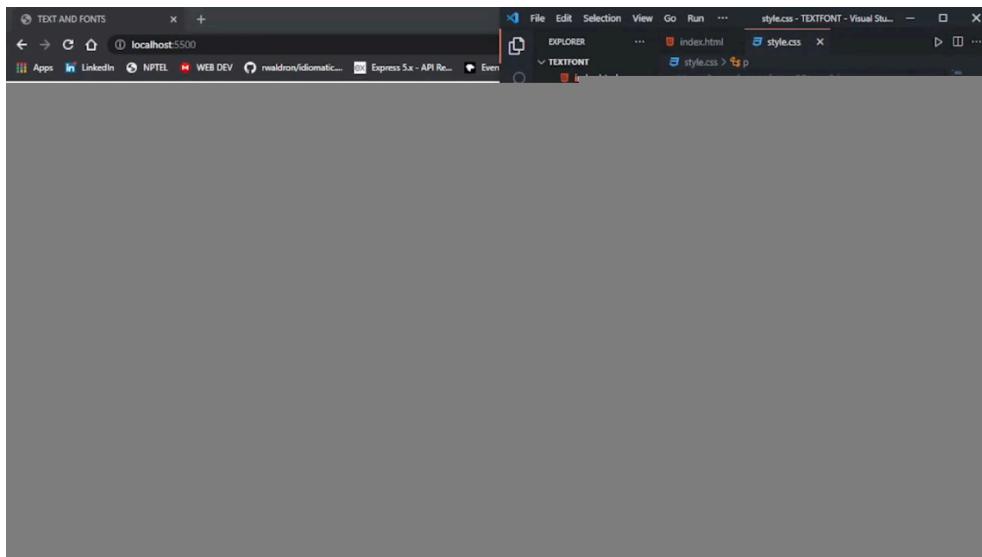
.decoration {
    color: #fff;
    text-decoration: underline;
}

#shadow {
    text-align: center;
    margin: 50px 20px;
    font-size: 4em;
    text-shadow: 1px 1px 3px red;
}

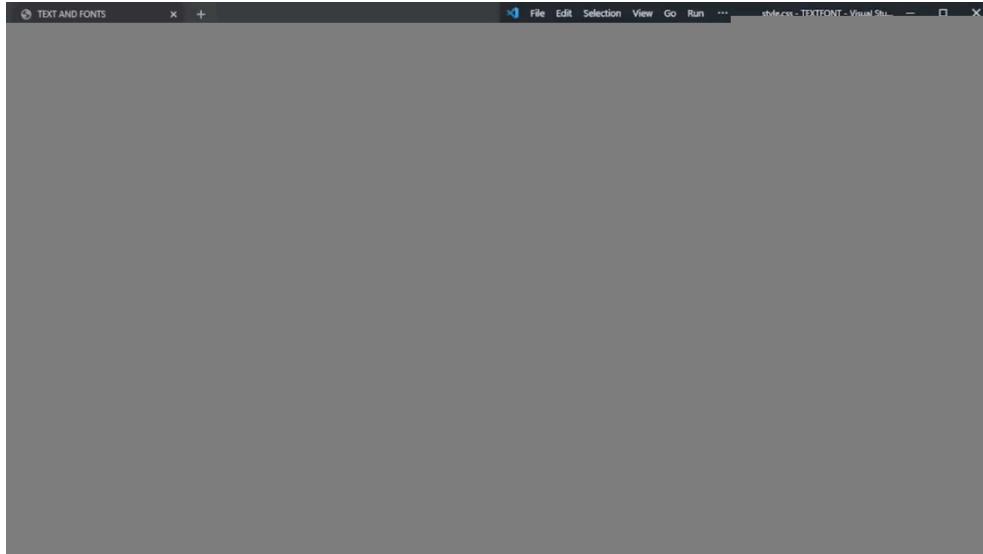
```

The 'index.html' tab shows a simple HTML structure with a single paragraph containing placeholder text.

Font Formatting



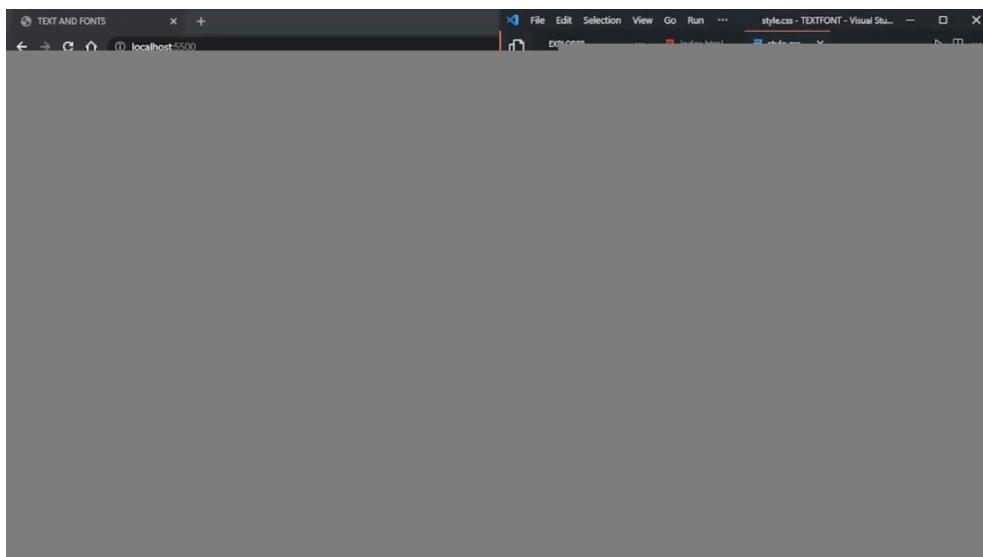
The screenshot shows a browser window with the same 'TEXT AND FONTS' title and URL. The page content now displays the styled text from the CSS file, including the centered text with a red shadow effect and the justified text with a red border and padding.



Yay! We are learning the text an fonts

Lore ipsum dolor **This Is For Description** sit amet consectetur adipisic elit. Culpa impedit sint, ea pariatur magnam facilis tempore at quod asperiores tempora. Lore ipsum dolor, sit amet consectetur adipisic elit. Corrupti sapiente mollitia nesciunt officia amet? Culpa rem distinctio maiores perferendis voluptatem id, praesentium quasi error quasi velit, commodi voluptas doloremque quisquam, reprehenderit labore a ipsa aut aperiam facilis cumque corporis dolorum ducimus deserunt ut, illo accusamus tempore tenetur praesentium dicta minus qui ipsam aspernatur in rerum architecto ducimus dicta excepturi vero quae facere distinctio praesentium maxime a accusamus vel querat, laudantium soluta nesciunt numquam corporis voluptatem est illo autem earum repellat, praesentium illum maiores, ai consequuntur eligendi itaque debitis ipsa aut officia laboriosam beatae dolorem pariatur sapiente reiciendis quidem expedita unde iustol voluptas dolores eaque quod nisi mollitia ut expedita quasi vitae nam consectetur.

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Font Family

Font Family

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- To specify the type of font format for the text, font-family property can be



Font Variant

Font Variant

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- To specify the difference between the first character of the sentence, even when all the characters are in uppercase, font-variant property is used.
- The possible values are:
 - small-caps
 - normal.
- Example:

```
.letori{  
    direction: ltr;  
    font-variant:small-caps;  
}
```



Font-size

Font Size

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- To manipulate the size of the text, font-size property can be used.
- The possible values are:
 - xx-small, x-small, small, medium, large, x-large, xx-large, smaller, larger, size in pixels or in %.
- Example:

```
font-size: xx-small;
```



Font Shorthand Property

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All the font formatting properties can be used with a single property font.

```
h1{  
    color: red;  
    font: italic small-caps bold 15px georgia;  
}
```

