

# CSS Typography

Typography is about the visual appearance of text and how it impacts readability, accessibility, and overall design aesthetics. CSS provides several properties to style text, control spacing, and adjust fonts.

## 1. Font Family

- `font-family`: Defines the font to be used for the text. You can specify a list of fonts, and the browser will choose the first available one.

```
h1 {  
  font-family: 'Arial', sans-serif; /* Sans-serif font as fallback */  
}  
  
p {  
  font-family: 'Georgia', serif; /* Serif font for paragraphs */  
}
```

## 2. Font Size

- `font-size`: Controls the size of the text. You can use `px`, `em`, `rem`, `%`, or `vw` units.

```
h1 {  
  font-size: 2.5rem; /* 2.5 times the root font size */  
}  
  
p {  
  font-size: 16px; /* Fixed pixel size */  
}
```

## 3. Font Weight

- `font-weight`: Defines the thickness of the font characters. Values can be `normal`, `bold`, or numeric values (100 to 900).

```
h1 {  
  font-weight: bold; /* Makes the heading bold */  
}  
  
strong {  
  font-weight: 700; /* Another way to bold text */  
}
```

## 4. Line Height

- `line-height`: Sets the space between lines of text, which affects readability.

```
p {  
  line-height: 1.5; /* 1.5 times the font size */  
}
```

```
}
```

## 5. Text Alignment

- `text-align`: Aligns text to the left, center, or right. You can also justify text.

```
h1 {  
  text-align: center; /* Center the heading */  
}  
  
p {  
  text-align: justify; /* Justify paragraph text */  
}
```

## 6. Letter Spacing

- `letter-spacing`: Adjusts the space between characters in the text.

```
h2 {  
  letter-spacing: 0.05em; /* Increases space between characters */  
}
```

## 7. Text Decoration

- `text-decoration`: Adds or removes decorations like underlines, strikethroughs, and overlines.

```
a {  
  text-decoration: underline; /* Underlines links */  
}  
  
del {  
  text-decoration: line-through; /* Strikethrough text */  
}
```

## 8. Text Transform

- `text-transform`: Controls the capitalization of text.

```
h1 {  
  text-transform: uppercase; /* Converts text to uppercase */  
}  
  
p {  
  text-transform: capitalize; /* Capitalizes the first letter of each word */  
}
```

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