

Module 11 - Using Span Tag in CSS

Span Tag

The `` tag in HTML, not CSS, is an inline element used to apply styles or group inline content. It doesn't have any visual effect on its own but becomes useful when combined with CSS or JavaScript.

Why we use Span Tag?

We use the `` tag to apply styles or scripts to specific inline parts of text. It doesn't affect layout or structure, making it ideal for styling words or phrases within a paragraph. It works well with CSS classes or IDs for customization. It's also useful for targeting elements with JavaScript.

Purpose Of Span Tag

The purpose of the `` tag is to apply styles or scripts to specific parts of inline content without affecting the document layout. It acts as a generic container used mainly with CSS and JavaScript to style, identify, or manipulate small portions of text within other elements like paragraphs.

Syntax of Span Tag

```
<span>Content goes here</span>
```

Attributes Of Span Tag

- **id** - Unique identifier for the span.
- **class** - Applies one or more CSS classes.
- **style** - Adds inline CSS styling.
- **title** - Tooltip text shown on hover.
- `` is an inline element used to group small parts of text or inline content.
- It can contain other inline elements like ``, ``, or `<a>`.
- It cannot contain block-level elements such as `<div>` or `<p>`.
- It's mainly used to apply CSS styles or JavaScript to specific inline content.

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Sample Program using Span Tag

```
<!DOCTYPE html>
<html>
<head>
<style>
.highlight {
  color: orange;
  font-weight: bold;
  background-color: yellow;
}
</style>
</head>
<body>

<p>This is a <span class="highlight">highlighted</span> word inside a
sentence.</p>

</body>
```

Explanation of above code:

1. The with class highlight styles only the word inside it.
2. It changes the text color to orange, makes it bold, and adds a yellow background.

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Sample Program to Change Text Color and Size

```
<!DOCTYPE html>
<html>
<head>
<style>
  .blue-text {
    color: blue;
    font-size: 20px;
  }
</style>
</head>
<body>
<p>This is a <span class="blue-text">blue and bigger</span> word.</p>
</body>
</html>
```

Explanation of above code

1. **blue-text class:** Sets the text color to blue and font size to 20 pixels.
2. **:** Applies the blue-text style to only the words inside the span.
3. The result is the phrase "blue and bigger" appears larger and blue, while the rest of the paragraph stays default.

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Solved Example: Using Span Tag

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Product Description</title>
  <style>
    .highlight {
      background-color: yellow;
      font-weight: bold;
      color: red;
    }
    .price {
      color: green;
      font-size: 1.2em;
    }
    .discount {
      color: blue;
      font-style: italic;
    }
  </style>
</head>
<body>
  <h1>New Smartphone Launch</h1>
  <p>
    The new smartphone comes with a <span class="highlight">brilliant 6.5-inch display</span> that offers an immersive viewing experience. It is powered by a high-performance processor, ensuring smooth and efficient performance for all your tasks. It typically has a touchscreen interface, allowing users to access a wide range of applications and services, such as web browsing, email, and social media, as well as multimedia playback and streaming. Smartphones have built-in cameras, GPS navigation, and support for various communication methods, including voice calls, text messaging, and internet-based messaging apps.
  </p>
  <p>
    Price: <span class="price">$499</span>
  </p>
  <p>
    Limited time offer: <span class="discount">20% off</span> on pre-orders!
  </p>
</body>
</html>
  
```


New Smartphone Launch


The new smartphone comes with a brilliant 6.5-inch display that offers an immersive viewing experience. It is powered by a high-performance processor, ensuring smooth and efficient performance for all your tasks. It typically has a touchscreen interface, allowing users to access a wide range of applications and services, such as web browsing, email, and social media, as well as multimedia playback and streaming. Smartphones have built-in cameras, GPS navigation, and support for various communication methods, including voice calls, text messaging, and internet-based messaging apps.

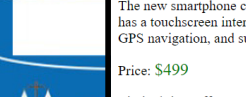
Price: \$499


Limited time offer: 20% off on pre-orders!


OUTPUT for
SPAN tag in CSS











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Assignment

Question 1: Recipe Highlight

Task: Recipe Highlight

Design a web page that lists the ingredients for a Chocolate Cake recipe. Highlight the key ingredients by using the tag and CSS. The key ingredients should have a yellow background color and bold text.

Ingredients to Highlight:

- Chocolate
- Sugar
- Flour

Question 2: Travel Guide Emphasis

Task:

- Create an HTML document with a heading "Visit Paris".
- Write a paragraph about the best time to visit Paris, must-see attractions, and local cuisine.
- Use the tag to highlight the phrases "best time to visit", "Eiffel Tower", and "French cuisine" with a different font color and italic style.

Paragraph to Highlight:

- The best time to visit Paris is in the spring.
- Don't miss the Eiffel Tower.
- Try the delicious French cuisine.

Question 3: Movie Review

Task:

- Create an HTML document with a heading "Movie Review: Chakde India".
- Write a paragraph reviewing the movie "Chakde India".
- Use the tag to highlight "Chakde India", "Shah Rukh Khan", and "5 stars" with a different font size and color.

Paragraph to Highlight:

- Chakde India is a mind-bending movie to promote hockey among girls.
- The movie stars Shah Rukh Khan. I give it 5 stars.

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