

Mention the difference between block elements and inline elements. Also give examples for the same.

Sure, here's the comparison in a tabular format:

Aspect	Block Elements	Inline Elements
Display	Start on a new line	Do not start on a new line
Width	Take up the full width available	Take up only as much width as necessary
Containment	Can contain other block elements and inline elements	Can contain only text or other inline elements
Line Breaks	Create a line break before and after the element	Do not create line breaks
Usage	Used for main structural components	Used for small pieces of content within block elements
Examples	<code><div></code> , <code><p></code> , <code><h1></code> , <code><h2></code> , <code></code> , <code></code> , <code></code> , <code><table></code> , <code><section></code>	<code></code> , <code><a></code> , <code></code> , <code></code> , <code></code> , <code>
</code> , <code><input></code>

Examples of Block Elements

- `<div>`: A generic container for content.
- `<p>`: Defines a paragraph.
- `<h1>`: Defines a level 1 heading.

Examples of Inline Elements

- ``: A generic container for inline content.
- `<a>`: Defines a hyperlink.
- ``: Defines important text, usually displayed as bold.

Example Code

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Block vs Inline Elements</title>
5 </head>
6 <body>
7
8 <!-- Block Elements -->
9 <div>
10 <h1>This is a block element</h1>
11 <p>Paragraph inside a block element.</p>
12 </div>
13
14 <!-- Inline Elements within a Block Element -->
15 <p>This is a <span style="color: red;">span element</span> within a paragraph.</p>
16 <p>Here is a link: <a href="https://example.com">Example</a></p>
17
18 <!-- Mixed Example -->
19 <div>
20 <p>This is a paragraph with an <em>emphasized</em> word and an <strong>important</strong> word.</p>
21 </div>
22
23 </body>
24 </html>
```



This is a block element

Paragraph inside a block element.

This is a **span element** within a paragraph.

Here is a link: [Example](#)

This is a paragraph with an emphasized word and an **important** word.