

Difference between semantic and non-semantic elements

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Semantic HTML elements

These [semantic](#) elements simply mean, elements with meaning. The reason being, their definition in the code tells the browser and the developer what they are supposed to do. Framing in simpler words, these elements describe the type of content they are supposed to contain.

Following is the list of some semantic elements:

- article
- aside
- details
- figcaption
- figure
- footer
- form
- header
- main
- mark
- nav
- table
- section

Example: This example shows the use of semantic elements.

```
<!DOCTYPE html>
<html>

<head>
  <title>my web page</title>
  <style type="text/css">
    h1 {
      color: green;
      font-weight: bold;
    }

    table,
    tr,
```



```

        td {
            border: 1px solid black;
        }

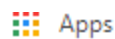
        th {
            font-weight: bold;
            color: red;
        }
    </style>
</head>

<body>
    <article>
        <h1>GeeksforGeeks</h1>
        <p>A Computer Science Portal for Geeks</p>
    </article>
    <table>
        <tr>
            <th>head1</th>
            <th>head2</th>
        </tr>
        <tr>
            <td>A</td>
            <td>0</td>
        </tr>
        <tr>
            <td>B</td>
            <td>1</td>
        </tr>
    </table>
</body>

</html>

```

Output:



GeeksforGeeks

A Computer Science Portal for Geeks

head1	head2
A	0
B	1

Non-Semantic elements

Unlike, semantic elements they don't have any meaning. They don't tell anything about the content they contain. They can be used with different attributes to mark

up semantics common to a group.

Following is the list of some non-semantic elements:

- div
- span

Example: This example shows the use of non-semantic elements.

```
<!DOCTYPE html>
<html>

<head>
  <title>my web page</title>
  <style type="text/css">
    span {
      color: green;
      font-size: 40px;
      font-weight: bold;
    }
  </style>
</head>

<body>
  <div>
    <span>GeeksForGeeks</span> <br>
    A computer science portal for geeks
  </div>
</body>

</html>
```

Output:



Difference between semantic and non-semantic elements

Semantic elements	Non-Semantic elements
They have meaning	They don't have meaning

Semantic elements	Non-Semantic elements
They describe how the content within them is supposed to behave	They can contain anything
They have specific attributes for their structure	The 'class' attribute can be used to work with their structure

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