**HTML Computer Code Elements**

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HTML provides a set of **elements tailored for displaying** **computer code** so that it is easily distinguishable from other text on a webpage. These elements help in formatting and presenting source code in a readable and syntactically correct manner.

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**The code Tag**

The [`<code>` tag](https://www.geeksforgeeks.org/html-code-tag/) in HTML is designed to display computer code snippets with fixed formatting for optimal readability. It renders the code in a monospace font, preserving the original spacing and layout. The `<code>` tag also supports both global attributes and event attributes, allowing for flexible styling and interaction.

**Syntax:**

<code> Computer code contents... </code>

**Note:** The program that is written inside the <code> tag has some different font sizes and font types to the basic heading tag and paragraph tag.

**Example:** The <code> tag displays a **C program within a <pre> tag**, preserving whitespace and formatting. The C program includes the stdio.h library and a main function that prints “Hello Geeks”.



1

<!DOCTYPE html>

2

<html>

3

​

4

<body>

5

<pre>

6

<code>

7

#include <stdio.h>

8

int main() {

9

printf("Hello Geeks");

10

}

11

</code>

12

</pre>

13

</body>

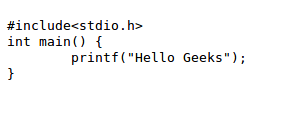
14

​

15

</html>

**Output:**



**The kbd Tag**

The [`<kbd>` tag](https://www.geeksforgeeks.org/html-kbd-tag/) is used to define keyboard input. The text between the `<kbd>` tags represents text that should be typed on a keyboard. This text is typically displayed in the browser’s default monospace font, though a richer effect can be achieved with CSS. The `<kbd>` tag has no specific attributes.

**Syntax:**

**<kbd>** Contents... **</kbd>**

**Example:**To demonstrate the implementation of the <kbd> Tag. The <kbd> tag displays keyboard keys “Alt”, “+”, and “Tab” within the styled text.



1

<!DOCTYPE html>

2

<html>

3

​

4

<head>

5

<title>The kbd tag</title>

6

<style>

7

body {

8

text-align: center;

9

}

10

</style>

11

</head>

12

​

13

<body>

14

<kbd>Alt </kbd>

15

<kbd>+</kbd>

16

<kbd>Tab</kbd>

17

<span>

18

is used to switch between open apps

19

</span>

20

</body>

21

​

22

</html>

**Output:**

Elements

*Output*

**The pre Tag**

The[`<pre>` tag](https://www.geeksforgeeks.org/html-pre-tag/) in HTML defines a block of preformatted text, preserving spaces, line breaks, tabs, and other formatting characters that browsers usually ignore. Text within the `<pre>` element is displayed in a fixed-width font, but this can be changed using CSS. The `<pre>` tag requires both opening and closing tags.

**Syntax:**

<pre> Contents... </pre>

**Example:**To demonstrate implementing the <pre> Tag in the HTML computer code elements.



1

<!DOCTYPE html>

2

<html>

3

​

4

<head>

5

<title>pre tag with CSS</title>

6

<style>

7

pre {

8

font-family: Arial;

9

color: #009900;

10

margin: 25px;

11

}

12

</style>

13

</head>

14

​

15

<body>

16

<pre>

17

GeeksforGeeks

18

A Computer Science Portal For Geeks

19

</pre>

20

</body>

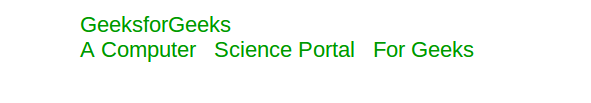
21

​

22

</html>

**Output:**



**The samp Tag**

The [`<samp>` tag](https://www.geeksforgeeks.org/html-samp-tag/) is used to define sample output from a computer program. It encloses inline text representing a sample or quoted output from a program.

**Syntax:**

<samp> Contents... </samp>

**Example:** To demonstrate implementing the <samp> tag in HTML to represent sample output or computer code snippets.



1

<!DOCTYPE html>

2

<html>

3

​

4

<head>

5

<title>samp tag</title>

6

<style>

7

body {

8

text-align: center;

9

}

10

​

11

.geeks {

12

font-size: 25px;

13

font-weight: bold;

14

}

15

</style>

16

</head>

17

​

18

<body>

19

<div class="geeks"><samp> Tag</div>

20

<samp>A computer science portal for Geeks</samp>

21

</body>

22

​

23

</html>

**Output:**

samp

*Output*

**The var Tag**

The [<var> tag](https://www.geeksforgeeks.org/html-var-tag/) is used specifically to highlight programming variables or mathematical expressions, providing context to the text, which is useful for accessibility and search engines. In most browsers, the content of this tag is displayed in italic format.

**Syntax:**

<var> Contents... </var>

**Example:**To demonstrate using the <var> tag in HTML that denotes variables and it is styled to differentiate them from regular text, providing emphasis on their significance within the content.



1

<!DOCTYPE html>

2

<html>

3

​

4

<head>

5

<title>var tag</title>

6

<style>

7

body {

8

text-align: center;

9

}

10

​

11

.geeks {

12

font-size: 25px;

13

font-weight: bold;

14

}

15

</style>

16

</head>

17

​

18

<body>

19

<div class="geeks"><var> Tag</div>

20

<var>GeeksforGeeks Variable</var>

21

</body>

22

​

23

</html>

**Output:**



*Output*

**Quick Summary:**

| **Tag** | **Description** |
| --- | --- |
| <code> | Defines a piece of computer code. |
| <kbd> | Represents keyboard input, often used to display keys or key combinations. |
| <pre> | Displays preformatted text, maintaining its original formatting. |
| <samp> | Displays sample output or examples, typically used in computing contexts. |
| <var> | Denotes variables, often used to represent placeholders or program entities. |

**Supported Browsers**

* Google Chrome
* Microsoft Edge
* Firefox
* Opera
* Safari

**HTML Computer Code Elements – FAQs**

**What are HTML code elements?**

*HTML code elements are used to display computer code or programming snippets in a web page, typically rendered in a monospaced font to distinguish them from regular text.*

**What does the <code> element do?**

*The <code> element represents a fragment of computer code. It’s used within other elements like <pre> or <samp> to format code snippets.*

**What is the use of the <pre> element?**

*The <pre> element di*