

HTML Entities

The HTML entities are used to display reserved characters (characters that are used in HTML code), special characters, or invisible characters. For example,

```
<p>This is a &lt;p> tag.</p>
```

Browser Output



Here, `<` and `>` are the HTML entities used to display `<` and `>` respectively.

If we were to use the `<p>` tag instead of `<p>`, the browser would read it as a tag. Hence to display `<p>` we need to use `<` and `>` instead of `<` and `>` respectively.

HTML Entities Syntax

HTML entities are represented by either their name or their number.

- Entity names

We use `&entity_name;` to add reserved characters using Entity names. For example,

`¢` would be displayed as ¢

- Entity number

We use `&#entity_number;` to add reserved characters using Entity number.

For example, `¢` would also be displayed as ¢

All entity names and numbers start with an `&` and end with an `;`.

Note: Not all entities have names, only characters that are commonly used have entity names.

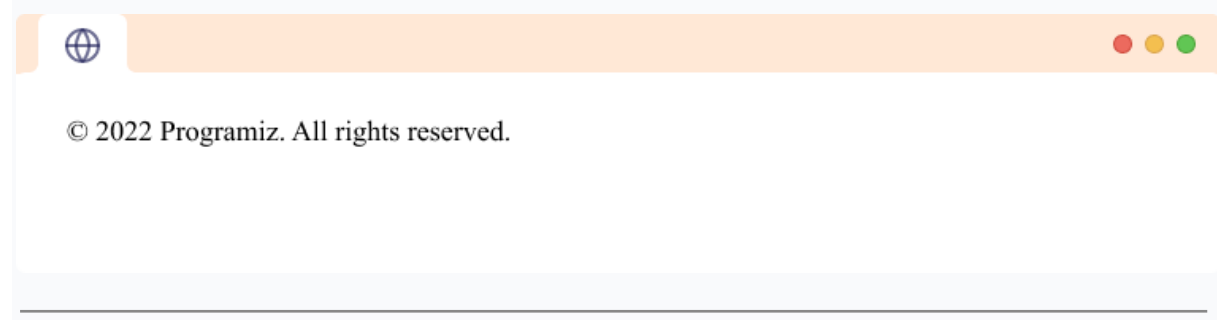
Special Characters

Special characters are characters that are not available on a general keyboard like ®, ©, ¢, etc.

We use HTML entities to add special characters to HTML documents. For example

```
<footer> &copy; 2022 Programiz. All rights reserved. </footer>
```

Browser Output



Invisible Characters

An invisible character is a character that is not visible when rendered in a document or text field. These characters can be used for various purposes, such as adding white space or formatting a document. For example,

```
<p>Invi<span>&zwnj;</span>sible<span>&nbsp;</span>Cha<span>&zwnj;</span>racters</p>
```

Browser Output

Here, `‌` and ` ` are invisible characters. `‌` is a zero-width character whereas ` ` is a space character.

Some examples of invisible characters are – space, tab, zero-width space, etc.

Some important HTML entities

Character(s)	Liter al(s)	Alphanumeric value(s)	Unicode value(s)
Cent (currency)	¢	<code>&cent;</code>	<code>&#162;</code>
Pound (currency)	£	<code>&pound;</code>	<code>&#163;</code>
Section	§	<code>&sect;</code>	<code>&#167;</code>

Copyright	©	©	©
Guillemets	« »	« »	« »
Registered trademark	®	®	®
Degree(s)	°	°	°
Plus/minus	±	±	±
Pilcrow (paragraph)		¶	¶
Middle dot	·	·	·
Fractional half	½	½	¼
En dash	–	–	–
Em (long) dash	—	—	—
Single quotes	' '	‘ ’	‘ ’

Single low quote	,	‚	‚
Double quotes	" "	“ ”	“ ”
Double low quote	„	„	„
Single & double daggers	† ‡	† ‡	† ‡
Bullet	•	•	•
Ellipsis	...	…	…
Prime & double prime	' "	′ ″	′ ″
Euro sign	€	€	€
Trademark	™	™	™
Almost equal to	≈	≈	≈
Not equal to	≠	≠	≠

Less/greater than or equal to	$\leq \geq$	<code>&le; &ge;</code>	<code>&#8804;</code> <code>&#8805;</code>
----------------------------------	-------------	--------------------------------	--

Less/greater than	$< >$	<code>&lt; &gt;</code>	<code>&#062;</code>
-------------------	-------	--------------------------------	-------------------------