

# HTML Entities

## 1. HTML Entity:

- a. HTML entities are used to display the reserved characters.
- b. Reserved characters, like '<', can create ambiguity if not displayed properly.

### c. Example ⇒

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
    <title>HTML Entities</title>
  </head>
  <body>
    <!-- Example - 1 -->
    <p>I want 2 spaces in between these two words.</p>
    <p>Hi &nbsp; &nbsp; Bye</p>
    <!-- Example - 2 -->
    <p>This is a body tag. => &lt;body&gt;</p>
  </body>
</html>
```

## 2. Entity Name and Entity Number ⇒

- a. Some useful Symbols with their Entity name and Entity numbers are listed below:

Notation	Symbols	Entity Name	Entity Number
	non-breaking space	&nbsp;	
<	less than	&lt;	<

Notation	Symbols	Entity Name	Entity Number
®	registered trademark	&reg;	®
©	copyright	&copy;	©
€	euro	&euro;	€
¥	yen	&yen;	¥
£	pound	&pound;	£
¢	cent	&cent;	¢
"	double quotation mark	&quot;	"
&	ampersand	&amp;	&
>	greater than	&gt;	>
∂	PARTIAL DIFFERENTIAL	&part;	∂
Ǝ	THERE EXISTS	&exist;	Ǝ
∅	EMPTY SETS	&empty;	∅
∇	NABLA	&nabla;	∇
∈	ELEMENT OF	&isin;	∈
∉	NOT AN ELEMENT OF	&notin;	∉
+	PLUS SIGN	&plus;	+
∏	N-ARY PRODUCT	&prod;	∏
Σ	N-ARY SUMMATION	&sum;	Σ
A	Alpha	&Alpha;	A
B	Beta	&Beta;	B
Γ	Gamma	&Gamma;	Γ
Δ	delta	&Delta;	Δ
Ε	Epsilon	&Epsilon;	Ε
Ζ	Zeta	&Zeta;	Ζ
♥	BLACK HEART SUIT = valentine	&hearts;	♥
♣	BLACK CLUB SUIT = shamrock	&clubs;	♣
♠	BLACK SPADE SUIT	&spades;	♠
↓	DOWNWARDS ARROW	&darr;	↓

Notation	Symbols	Entity Name	Entity Number
→	RIGHTWARDS ARROW	&rarr;;	→
↑	UPWARDS ARROW	&uarr;;	↑
←	LEFTWARDS ARROW	&larr;;	←
™	TRADEMARK	&trade;;	™
♦	BLACK DIAMOND SUIT	♦	♦
°	degree	&deg;;	°
∞	infinity	&infin;;	∞
%	per-mille	&permil;;	%
·	dot operator	&sdot;;	·
±	plus-minus	&plusmn;;	±
†	hermitian	&hercon;;	÷
-	minus sign	&minus;;	-
¬	-	&not;;	¬
%	percent sign	&percent;;	%
f	Function	&fnof;;	f
//	parallel	&parallel;;	//

### 3. HTML Favicon:

- A favicon is a small image displayed next to the page title in the browser tab.
- Note** ⇒ we have to provide this **link:favicon** inside a head tag.
- We use the HTML **<link>** tag to attach a favicon to the document.
- Syntax** ⇒

```
<link rel="shortcut icon" href="favicon.ico" type="image/x-icon">
```

**rel** - defines the type of document linked, i.e. a shortcut icon.

**href** - defines the URL for the icon.

Inside **href** we have to provide the path of the image or icon.

e. Example ⇒

```
<link  
    rel="shortcut icon"  
    href="https://w7.pngwing.com/pngs/201/90/png-transparent-logo-html-html5.png"  
    type="image/x-icon"  
/>
```

