



HTML MEDIAS

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What is Multimedia?

- ▶ Multimedia comes in many different formats. It can be almost anything you can hear, see like images, music, sound, videos, animations, records, films and more.
- ▶ Web pages contains various media of different types.
- ▶ Before browsers only support text but now a days browsers support all types of media.
- ▶ Multimedia files are distinguished based on their extensions. Like .png, .jpg, .mp4, .mkv, .avi etc.

HTML Images

- ▶ Images help to design our website more effectively and help to change the appearance of webpage.
- ▶ HTML tag help to insert the image in our webpage.
- ▶ Syntax:

```

```

- ▶ The **src** attribute provides the URL of the image and **style** attribute help to style the image and **alt** attribute help to show alternate text while image is not found.

Putting image as a link

► To put image as a link element just put image inside the anchor tag.

► Syntax:

```
<a href= "www.ggn.com" title="go to ggn" target="_blank">
```

```

```

```
</a>
```

Some more about images

- ▶ Some common formats of images are APNG, gif, ico, jpeg, png, svg etc.
- ▶ HTML **border** and **border-radius** property help to give border to image.
- ▶ HTML **float** property help to set the position of image with text.
- ▶ HTML **align** attribute or property help to change the position in page.
- ▶ To put background image of any section or whole document we have one attribute: **background** or **background-image**

HTML Video

- ▶ The HTML `<video>` element is used to show a video on a web page.

- ▶ The complete syntax for inserting video in webpage is:

```
<video src="movie.mp4" width="300px" height=" 300px"  
controls>  
</video>
```

HTML Audio

- ▶ The HTML `<audio>` help to insert audio in web page.
- ▶ The following syntax should be follow to insert audio in html.

```
<audio src="movie.mp4" width="300px" height=" 300px" controls>  
</audio>
```

OR

```
<audio style="height:100px; width: 400px;" controls>  
  <source src="audio.mp3" type="audio/mp3">  
</audio>
```



Attributes of Video and audio tag

- ▶ **autoplay** attribute plays the video automatically.
- ▶ **Controls** attribute helps to show the various controls in video like play pause etc.
- ▶ **muted** attribute help to play video with no sound.
- ▶ **Poster** attribute help to specify the thumbnail of video
- ▶ **Loop** it will continuously repeat the video
- ▶ Some video file formats are .mkv, .mvp, .mp4, .WebM, .ogg etc.

Using Emojis in HTML

- ▶ Emojis may look like icons and images but they are not actually that they are the characters from UTF-8 (Unicode) character set.
- ▶ UTF-8 supports all the characters and symbols in world.
- ▶ The HTML `<meta>` tag and attribute `charset` help to include UTF-8 in html.
- ▶ UTF-8 is default in html.
- ▶ There is linking code or tag of every symbol in html. For example the size of A is 65.

Some Emojis code

Emoji	Value
	🗻
	🗼
	🗽
	🗾
	🗿
	😀
	😁
	😂
	😃
	😄
	😅

Using symbols and entities in html

Some Mathematical Symbols Supported by HTML

Char	Number	Entity	Description
\forall	∀	∀	FOR ALL
∂	∂	∂	PARTIAL DIFFERENTIAL
\exists	∃	∃	THERE EXISTS
\emptyset	∅	∅	EMPTY SETS
∇	∇	∇	NABLA
\in	∈	∈	ELEMENT OF
\notin	∉	∉	NOT AN ELEMENT OF
\ni	∋	∋	CONTAINS AS MEMBER
\prod	∏	∏	N-ARY PRODUCT
\sum	∑	∑	N-ARY SUMMATION

Symbols code

Some Other Entities Supported by HTML

Char	Number	Entity	Description
©	©	©	COPYRIGHT SIGN
®	®	®	REGISTERED SIGN
€	€	€	EURO SIGN
™	™	™	TRADEMARK
←	←	←	LEFTWARDS ARROW
↑	↑	↑	UPWARDS ARROW
→	→	→	RIGHTWARDS ARROW
↓	↓	↓	DOWNWARDS ARROW
♠	♠	♠	BLACK SPADE SUIT
♣	♣	♣	BLACK CLUB SUIT
♥	♥	♥	BLACK HEART SUIT
♦	♦	♦	BLACK DIAMOND SUIT

Some Useful HTML Character Entities

Result	Description	Entity Name	Entity Number
	non-breaking space	 	
<	less than	<	<
>	greater than	>	>
&	ampersand	&	&
"	double quotation mark	"	"
'	single quotation mark (apostrophe)	'	'
¢	cent	¢	¢
£	pound	£	£
¥	yen	¥	¥
€	euro	€	€
©	copyright	©	©
®	registered trademark	®	®