

HTML MEDIA

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<audio>



<video>

- Media on the web page is images, sounds, videos, and animations.
- Media elements can be included in different formats.



Media

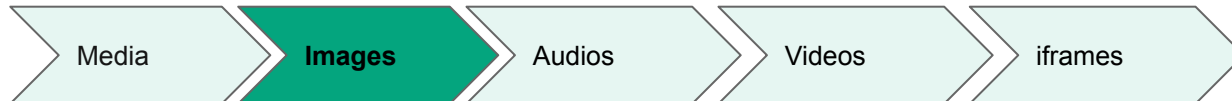
Images

Audios

Videos

iframes

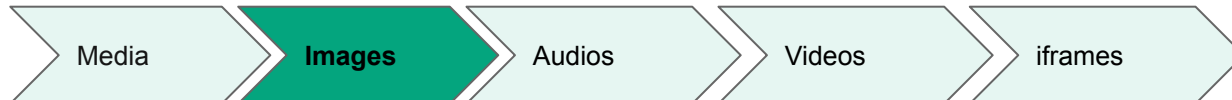
- Images can be added to the web page by using the tag ``. Images are linked to the web pages and not inserted in the web pages.
- `` tag can be included in the `<body>` of the HTML document.
- Syntax: **``**



- Attributes of tag:
 - **src** - source attribute specifies the path of the image that needs to be displayed/ linked to the web page.
 - **alt** - alternate attribute specifies the alternate text that has to be displayed on the web page in case of issues in viewing the image (slow connection).
 - **width** and **height** attributes are used to define the width and height of the image in pixels.

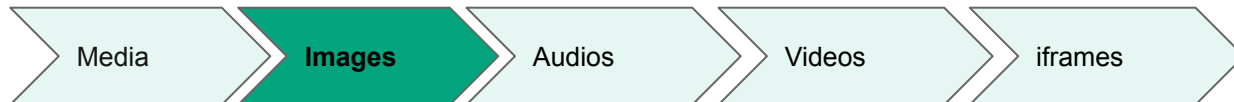
Example:

```
</img>
```



HTML – Image Extensions

File extension	File format
.png	Portable Network Graphics
.jpg, .jpeg, .jif, .jpeg, .jpp	Joint Photographic Expert Group image
.svg	Scalable Vector Graphics
.gif	Graphics Interchange Format
.apng	Animated Portable Network Graphics



- `<audio>` element is used to include and play audio files in the HTML.
- The `<source>` element allows you to specify the audio link.
- Multiple `<source>` elements can be included under a single `<audio>` element, where the browser will choose the first recognized format.
- Play, pause and volume can be controlled by using the **controls** attribute to the audio element.



- The text in between the <audio> and </audio> element will be displayed when the browser does not support the included audio source.

- Example:

`<audio controls autoplay>`

`<source src="alligator.mp3" type="audio/ogg">`

Your browser does not support the audio element.

`</audio>`

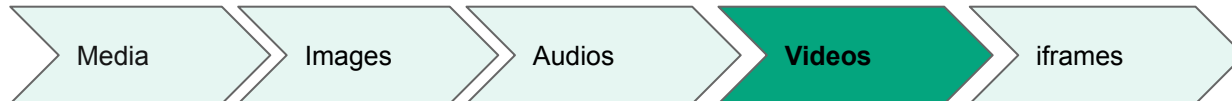
- Output:



File extension	File format
.mp3	MPEG audio layer-3
.ogg	ogg
.wav	Waveform audio file format



- `<video>` element is used to include and play audio files in the HTML.
- The `<source>` element allows you to specify the audio link.
- Multiple `<source>` elements can be included under a single `<video>` element, where the browser will choose the first recognized format.
- Play, pause and volume can be controlled by using the **controls** attribute to the audio element.



- The text in between the `<video>` and `</video>` element will be displayed when the browser does not support the included audio source.
- Width and height attributes can be added to specify the area of the video clip and to avoid unwanted flickering.
- Example 1:

```
<video width="320" height="240" autoplay>
```

```
<source src="video1.mp4" type="video/mp4">
```

Your browser does not support the video tag.

```
</video>
```



- Example 2:

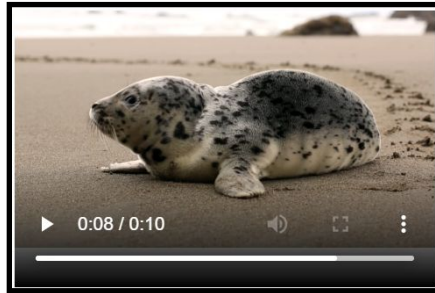
```
<video controls width="320" height="240" autoplay>
```

```
<source src="video1.mp4" type="video/mp4">
```

Your browser does not support the video tag.

```
</video>
```

- Output:



Media

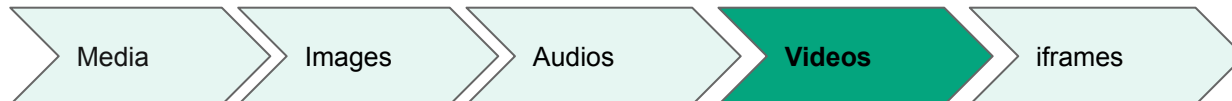
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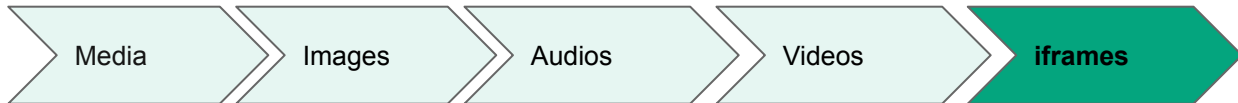
File extension	File format
.mp4	MPEG audio layer-4
.ogg	ogging
.webM	Web media



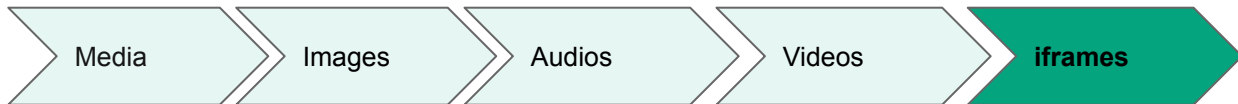
- HTML Iframes are used to display a webpage within a webpage.
- `<iframe>` is an inline level tag.
- Youtube videos can be played inside a webpage by using `<iframe>` tag.

- Example:

```
<iframe width="420" height="315"  
src="https://www.youtube.com/embed/tgbNymZ7vqY">  
</iframe>
```



- Options like autoplay, mute, loop, and controls can be added along with the youtube link for additional features.
- Autoplay of a youtube video is not allowed, however it is allowed when the video is muted.
- Example (Autoplay + Mute):
`<iframe width="420" height="315"
src="https://www.youtube.com/embed/tgbNymZ7vqY?autoplay=1&mute=1">
</iframe>`



- To play the video loop=1 has to be added along with the youtube link.

- Example (loop):

```
<iframe width="420" height="315"  
src="https://www.youtube.com/embed/tgbNymZ7vqY?play  
list=tgbNymZ7vqY&loop=1">  
</iframe>
```

- By default the player control will be displayed for youtube video, the default value of controls is 1.

