

## Multimedia Components in HTML Documents

The term media refers to various means of communicating and disseminating information, such as text, images, graphics, sound, video and animation. Collectively, all of these means of communication are called multimedia.

In other words, the term multimedia includes all means of communication, from a single magazine containing text and images to an advanced application that contains audio, video and graphics. A group of video and audio files can also be used on websites to gain popularity in viewership or to provide information and entertainment to users.

HTML helps you add multimedia files to your website by providing many multimedia tags. These tags include audio, video, tag, and object.

The audio tag is used to display the audio file on a web page, while the video tag is used to display video files on the web page.

### Attributes of AUDIO Tag

The AUDIO tag of HTML5 supports only three audio file formats i.e.mp3, .wav

Following table shows the attributes of the AUDIO tag

Attribute	Description
autoplay	Plays the audio file as soon as the Web page loads
controls	Displays the controls on the Web page, such as play and pause buttons
loop	Replays the audio file
preload	Specifies whether the audio file is preloaded on the Web page or not
src	Provides the location of the audio file to play

## Attributes of VIDEO Tag

You can use the VIDEO tag to display a video file on the Web page. The VIDEO tag supports the .gov and .mp4 file formats.

Following table describes attributes of the VIDEO tag

Attribute	Description
audio	Controls the default state of the video's audio channel
autoplay	Plays the audio file as soon as the Web page loads
controls	Displays the controls on a Web page, such as play and pause buttons
height	Specifies the height of the VIDEO tag
loop	Replays the video file
preload	Specifies whether the video file is preloaded on the Web page or not
poster	Provides an image to be displayed when the video file is not available
src	Provides the location of the video file to play
width	Specifies the width of the VIDEO tag

You can also use the SOURCE tag within the opening and the closing tags of the VIDEO tag to provide the source of the video file.

The SOURCE tag is used in a situation when the location of the video file is not confirmed. In this case, the VIDEO tag plays the first video file located in the specified path. The following code snippet shows the use of the VIDEO tag:

```
<VIDEO src="video.ogv" autoplay="true" loop="3" controls>
```

```
</VIDEO>
```

In the above code snippet, we have defined a video.ogv file in the src attribute. We have also set the autoplay attribute to true, which implies that the video file start playing as soon as the Web page loads. the loop attribute is set to 3, which implies that the video file will be played three times. In addition, the controls attribute displays the controls on the video player.

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