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HTML5 Video

Difficulty Level : Easy   •   Last Updated : 12 Jun, 2022

In this article, we will know **HTML5 Video**, along with knowing the different ways to add the videos to the HTML page & understanding its implementation through the examples. Before HTML 5 came into existence, videos could only be played in a browser using a plugin like flash. But after the release of HTML 5, adding a video to a webpage is as easy as adding an image. The HTML5 "video" element specifies a standard way to embed a video on a web page.

There are three different formats that are commonly supported by web browsers – mp4, Ogg, and WebM. The table below lists the formats supported by different browsers:

Browser	MP4	WebM	OGG
Google Chrome	Yes	Yes	Yes
Internet Explorer	Yes	No	No
Firefox	Yes	Yes	Yes
Opera	Yes	Yes	Yes
Safari	Yes	Yes	No

Syntax:

```
<video src="" controls>  </video>
```

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1. **Autoplay:** It tells the browser to immediately start downloading the video and play it as soon as it can.
2. **Preload:** It intends to provide a hint to the browser about what the author thinks will lead to the best user experience.
3. **Loop:** It tells the browser to automatically loop the video.
4. **height:** It sets the height of the video in CSS pixels.
5. **width:** It sets the width of the video in CSS pixels.
6. **Controls:** It shows the default video controls like play, pause, volume, etc.
7. **Muted:** It mutes the audio from the video.
8. **Poster:** It loads an image to preview before the loading of the video.
9. **src:** It is used to specify the URL of the video file.

Example: This example illustrates the use of **<video> tag** where we have used preload attribute whose value is set to auto which specifies the browser should load the entire video when the page loads.

HTML

```
<!DOCTYPE html>
<html>
<body>
    <center>
        <h1 style="color:green;">GeeksforGeeks</h1>
        <h3>HTML video tag</h3>
```

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```html
<p>
            <video width="450"
                height="250"
                controls
                preload="auto">
            <source src=
"https://media.geeksforgeeks.org/wp-content/uploads/20190616234019/Canvas.move_.mp4"
                type="video/mp4">
            <source src=
"https://media.geeksforgeeks.org/wp-content/uploads/20190616234019/Canvas.move_.ogg"
                type="video/ogg">
            </video>
        </center>
</body>
</html>
```

Output:

We will understand the various ways to implement the *<video> tag*, through the examples.

Adding Video using HTML5:

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HTML

```html
<!DOCTYPE html>
<html>
<body>



<p>Adding Video on my webpage </p>



    <video width="400"
           height="350"
           controls>
        <source src="myvid.mp4"
                type="video/mp4">
        <source src="myvid.ogg"
                type="video/ogg">
    </video>
</body>
</html>
```
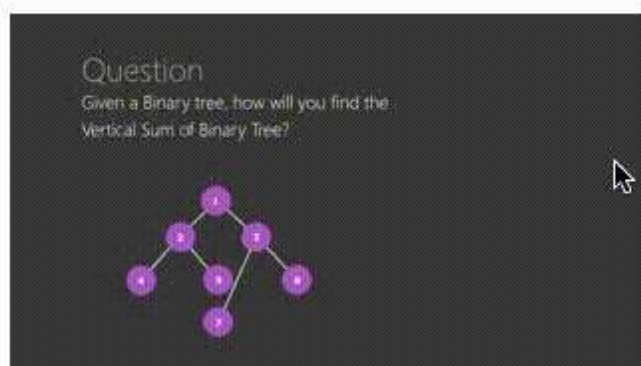
Output:

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Example: This example illustrates the use of the autoplay attribute in the HTML <video> tag.

HTML

```html
<!DOCTYPE html>
<html>
<body>


<p>Adding Video on my webpage</p>



    <video width="400"
           height="350"
           autoplay>
        <source src="myvid.mp4" type="video/mp4">
        <source src="myvid.ogg" type="video/ogg">
    </video>
</body>
</html>
```
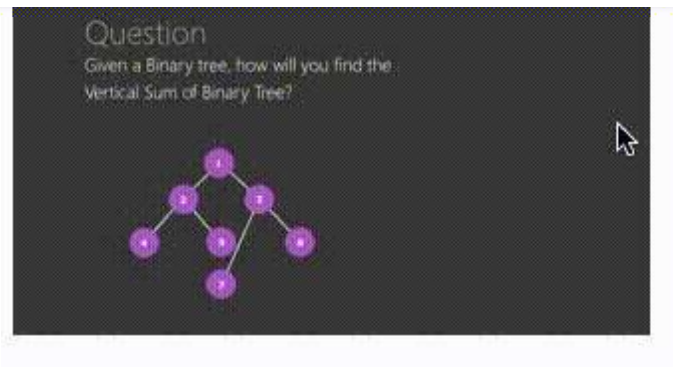
Output:

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Autoplay attribute

Please refer to the [How to display video controls in HTML5?](#) article for knowing the various available controls in detail.

HTML Video using JavaScript: Many properties and events can be set for a video like load, play and pause videos, as well as setting duration and volume.

Example: In this example, we have used Javascript in order to play, pause & set the volume & duration of the video in HTML.

HTML

```html
<!DOCTYPE html>
<html>
<body>
    <div style="text-align:center">
        <button onclick="Pauseplay()">Pause/Play</button>
        <button onclick="Big()">Big</button>
        <button onclick="Small()">Small</button>
        <button onclick="Normal()">Normal</button>
        <br>
        <video id="myvideo" width="450">
            <source src="myvid.MP4"
                    type="video/mp4">
            <source src="myvid.ogg"
                    type="video/ogg">
        </video>
    </div>
    <script>
        var testvideo = document.getElementById("myvideo");

        function Pauseplay() {
```
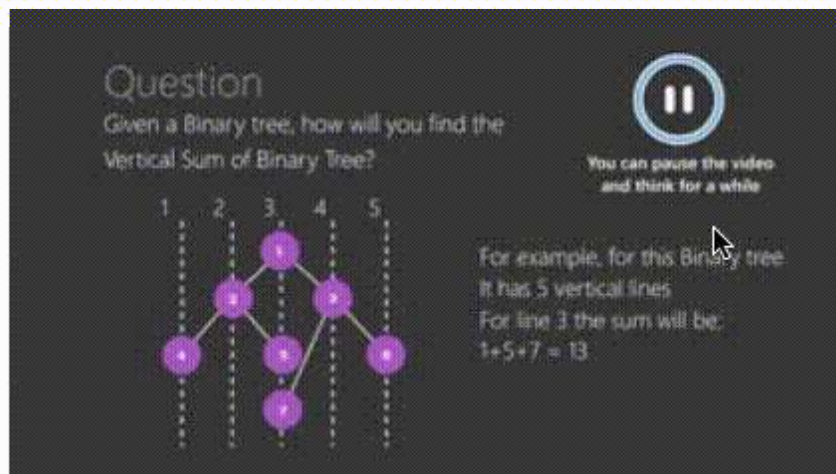
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```
function Big() {
    testvideo.width = 600;
}

function Small() {
    testvideo.width = 300;
}

function Normal() {
    testvideo.width = 450;
}
</script>
</body>
</html>
```

Output:

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Setting the various video controls using the Javascript events & properties in HTML

Supported browsers:

- Google Chrome 3 and above
- Internet Explorer 9 and above
- Microsoft Edge 12 and above

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