



PES
UNIVERSITY

CELEBRATING 50 YEARS

Web Design

Rajani S

Department of Computer
Applications

Web Design

Designing Websites

Rajani S

Department of Computer Applications



Web Design

HTML Plug-ins



- **Plug-ins** in HTML is used to extend the functionality of web pages.
- It displays the content that couldn't be handled natively by browsers.

Examples of Plug-ins:

Adobe Flash Player → used for Flash animations and videos (now obsolete).

Java Plug-in → enabled running Java applets inside browsers.

QuickTime Plug-in → used for playing Apple's video formats.

Adobe Acrobat Reader Plug-in → used to display PDF files.

Microsoft Silverlight → for rich media and interactive applications.

modern browsers (like Chrome, Edge, Firefox) have moved away from external plug-ins, replacing them with **native support** (HTML5, CSS3, JavaScript).



HTML Elements Used for Plugins

<embed>, <object>, and <applet> were used to include plugins in HTML.

- 1) **<embed>**: This tag was used to embed multimedia files or using HTML5 elements like **<audio>** and **<video>**.
- 2) **<object>**: A versatile tag that can embed multimedia, applications, or documents into a webpage.

audio, video, PDFs, Flash



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Example 1:

```
<object data="example.swf" type="application/x-shockwave-flash">
<p>Your browser does not support Flash.</p>
</object>
```

Example 2:

```
<embed src="movie.swf" width="400" height="300">
```



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Example

```
<!DOCTYPE html>
<html>
<body>
<object data="audi.jpeg"></object>
</body>
</html>
```

Example

```
<!DOCTYPE html>
<html>
<body>
<embed src="audi.jpeg">
</body>
</html>
```



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HTML Plug-ins



Example

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

<embed width="100%" height="500px" src="snippet.html">

</body>
</html>
```



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HTML youtube videos



- The easiest way to play videos in HTML, is to use YouTube.
- Different **versions of different browsers** support different video formats.
- Converting **videos to different format** can be difficult and **time consuming**.
- An easier solution might be to let **YouTube play the videos in your web page**.
- YouTube will display a **video id** (like **XGSy3_Czz8k**), when you save (or play) a video.
 - use this id, and refer to your video in HTML.



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HTML youtube videos



- To play your video on a web page, do the following:
 - Upload the video to YouTube
 - Take a note of the **video id**
 - Define an **<iframe>** element in your web page
 - Let the **src** attribute point to the video URL
 - Use the **width** and **height** attributes to specify the dimension of the player
 - Add any other parameters to the URL



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HTML youtube videos



- **autohide:** Value 0 (player control visible),1 (hides) ,2 (default)
- **autohide=0** → Controls always visible.
- **autohide=1** → Controls hide after a few seconds of playback.
- **autoplay :** Value 0,1
- **control:** Value 0,1,2 (does not load initially)
- **loop:** Value 0,1
- **playlist :** comma separated list of videos (url)



Example:

```
<iframe width="420" height="345"  
src="https://www.youtube.com/embed/tgbNymZ7vqY">  
</iframe>
```

Example:

```
<body>  
<iframe width="420" height="345"  
src="https://www.youtube.com/embed/tgbNymZ7vqY?autoplay=1&mute=1">  
</iframe>  
</body>
```

autoplay + muted + infinite loop



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YouTube Loop



Add **loop=1** to let your video loop forever.

Value 0 (default): The video will play only once.

Value 1: The video will loop (forever).

Example:

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



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YouTube Controls



Add **controls=0** to not display controls in the video player.

Controls: shows play/pause/progress bar

Value 0: Player controls does not display.

Value 1 (default): Player controls display.

Example:

```
<iframe width="420" height="315"  
src="https://www.youtube.com/embed/tgbNymZ7vqY?controls=0">  
</iframe>
```



THANK YOU

Rajani S
Department of Computer Applications
rajanis@pes.edu