

## HTML iframes

HTML Iframe is used to display a nested webpage (a webpage within a webpage). The HTML `<iframe>` tag defines an inline frame, hence it is also called as an Inline frame. An HTML iframe embeds another document within the current HTML document in the rectangular region. An HTML iframe is defined with the `<iframe>` tag:

### Iframe Syntax

```
<iframe src="URL" height="300" width="400" name="DetailArea" frameborder="NO" > </iframe>
```

- Here, **"src"** attribute specifies the web address (URL) of the inline frame page.
- You can set the **width** and **height** of iframe by using "width" and "height" attributes. By default, the attributes values are specified in pixels but you can also set them in percent. i.e. 50%, 60%
- **Name** attribute use for `<iframe>` name (sub content area name) When the target attribute of a link matches the name of an iframe, the link will open in the iframe.
- **frameborder** The value 1 (the default) draws a border around this frame. The value 0 removes the border around this frame, but you should instead use the CSS property border to control `<iframe>` borders.
- **scrolling** Indicates when the browser should provide a scrollbar for the frame:

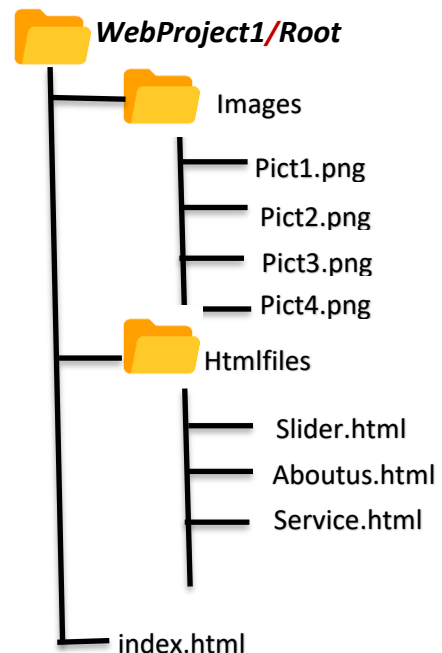
This Example have three steps

1) First we create new file name is **Slider.html** same as below and save in **htmlfiles** folder.

#### Slider.html

```
<!DOCTYPE html>
<html>
  <head>
    <title> Description List</title>

  </head>
  <body>
    <marquee>
      
      
      
      
    </marquee>
  </body>
</html>
```



2) Second we create another new file name is **Aboutus.html** same as below and save in to **htmlfiles** folder also.

**Aboutus.html**

```

<!DOCTYPE html>
<html>
  <head>
    <title>About Us</title>
  </head>
  <body>
    <h1>About Us</h1>
    <p>

```

I am Muhammad Masood, after FSc, 2 year Diploma in Computer Science from Aligarh Institute of technology and BS in Computer Science from Virtual University of Pakistan. I have lot experience of Teaching and Computer Programming. My Favorite Languages C++, Visual Basic, C#, HTML, PHP and also work CSS, Java Script and J-Query. </p>

```

<p>

```

I have known Network scenario like Windows-NT, Window Server 2003 and known UNIX, Linux Operating System environment. My programming approach in structure programming and Object Oriented Programming depend on different situation. I use OOP in JAVA, C++, C# and PHP languages. </p>

```

</body>

```

```

</html>

```

- 3) Third step is now we create main files name will be **index.html** same as below and save into **WebDevelopmentProject** or **root** folder.

**Index.html**

```

<!DOCTYPE html>
<html>
  <head>
    <title> Concept of iframe</title>
  </head>
  <body>
    <h1> This is Main Page </h1>
    <a href="htmlfiles/slider.html" target="DetailArea"> Home </a>
    <a href="htmlfiles/aboutus.html" target="DetailArea"> About Us </a><br><br>
    <iframe src="htmlfiles/slider.html" width="100%" height="400" name="DetailArea"> </iframe>
  <p>

```

This example illustrates the use of an iframe tag which is used to display a <b><u>slider.html</u></b> webpage inside the current <b><u>test.html</u></b> web page. </p>

```

</body>

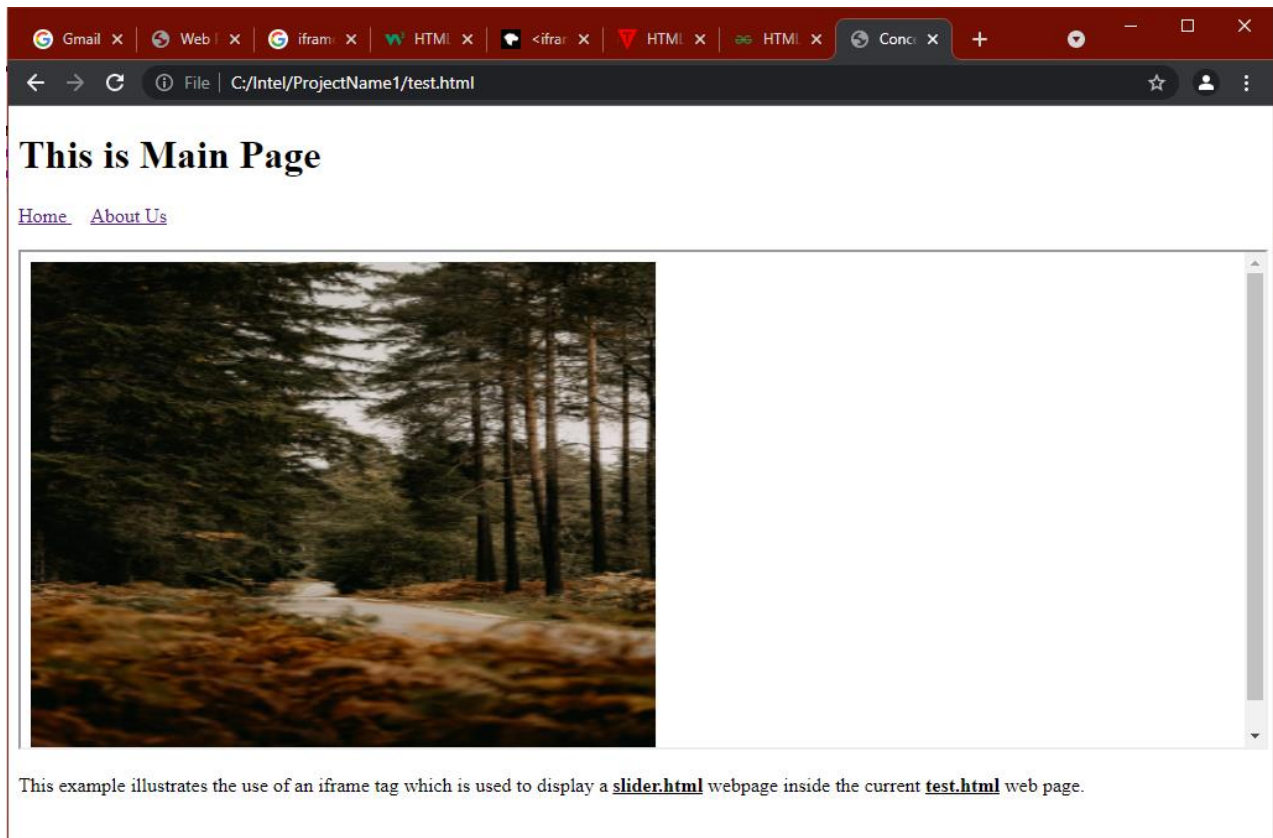
```

```

</html>

```

- 4) Now you run index.html file on the browser and you will see following output. If we click on About Us link then display *aboutus.html* page in the iframe area and if you click on home link then we will see *slider.html* page in the iframe area.



### Video Tag

HTML 5 supports the `<video>` tag is used to embed video content in a document, such as a movie clip or other video streams. The `<video>` tag contains one or more `<source>` tags with different video sources. The browser will choose the first source it supports.

The text between the `<video>` and `</video>` tags will only be displayed in browsers that do not support the `<video>` element. There are three supported video formats in HTML: mp4, webm, and ogg.

### Example

```
<video width="320" height="240" controls>  
  <source src="videos/movie1.mp4" type="video/mp4">  
  <source src="videos/movie1.ogv" type="video/ogg">  
  Your browser does not support the video tag.  
</video>
```

Value	Description
<b>autoplay</b>	Specifies that the video will start playing as soon as it is ready
<b>controls</b>	Specifies that video controls should be displayed (such as a play/pause button etc).
<b>height</b>	Sets the height of the video player
<b>poster</b>	Specifies an image to be shown while the video is downloading, or until the user hits the play button
<b>src</b>	Specifies the URL of the video file
<b>width</b>	Sets the width of the video player

### Example

First we create new folder name is **videos** in **WebProject/Root** folder and then copies/download three movies files like(movie1.mp4, movie2.mp4 and movie3.mp4) in **videos** folder and after that write this example.

#### Testvideo.html

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

```
<h1>The video element</h1>
```

```
<table align="center">
```

```
<tr>
```

```
<td>
```

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

```
<source src="videos/movie1.mp4" type="video/mp4">
```

```
</video><br>
```

```
<a href="videos/movie1.mp4" target="videoarea" > Animals video </a>
```

```
</td>
```

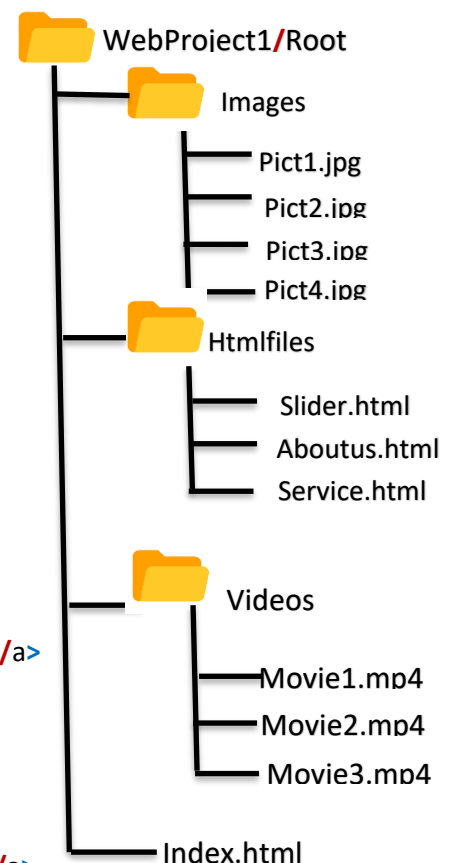
```
<td>
```

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

```
<source src="videos/movie2.mp4" type="video/mp4">
```

```
</video><br>
```

```
<a href="videos/movie2.mp4" target="videoarea" > Quran Para 23 </a>
```



```

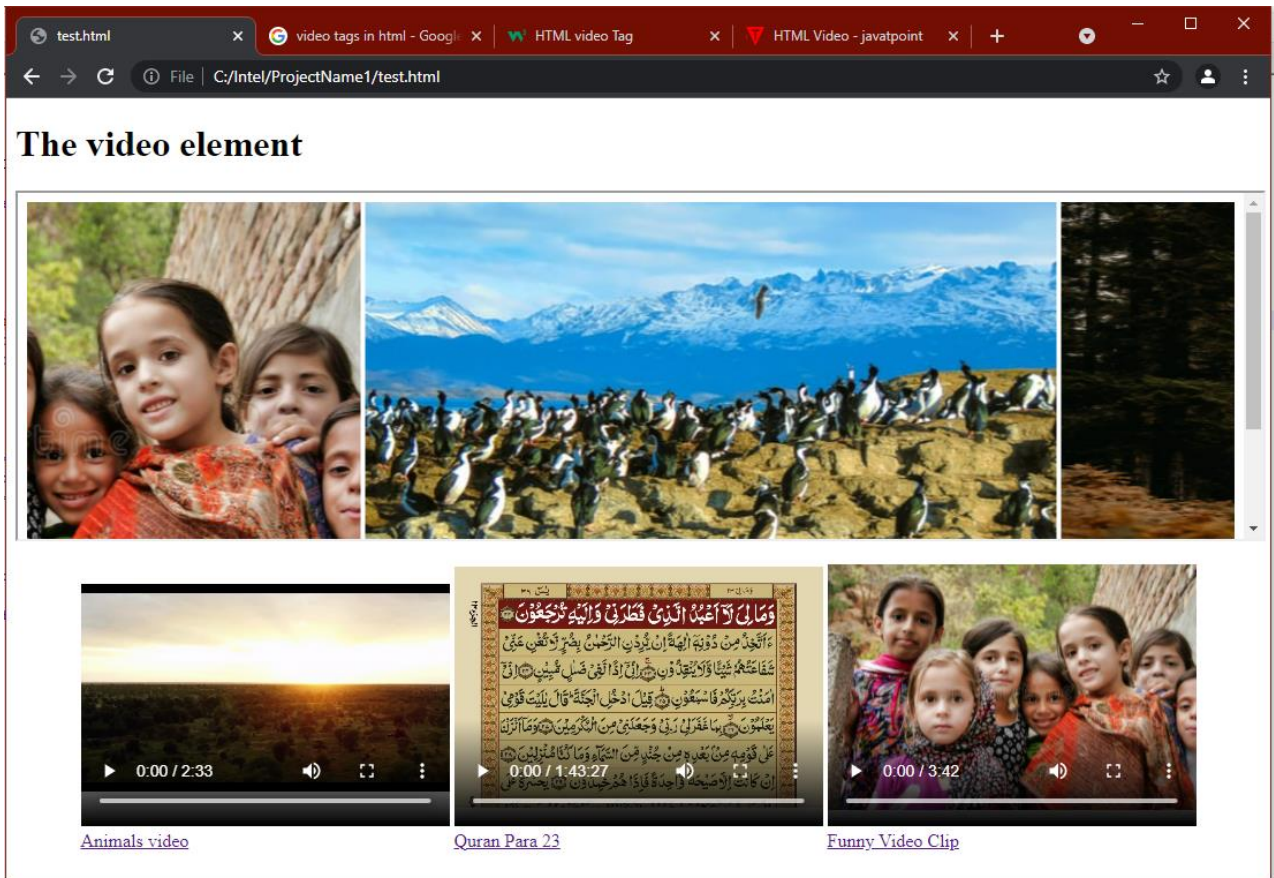
</td>

<td>
  <video width="320" height="240" poster="images/pic4.jpg" controls>
    <source src="videos/movie3.mp4" type="video/mp4">
  </video><br>
  <a href="videos/movie3.mp4" target="videoarea" > Funny Video Clip </a>
</td>
</tr>
<iframe src="htmlfiles/slider.html" width="100%" height="300" name="videoarea"> </iframe>

</table>
</body>
</html>

```

And run **testvideo.html** file on browser and then we will see this output.



## Exercise

## Theory Question

- 1) What is ifram with syntax?
- 2) Define video tag with 4 common attribute.
- 3) Write list of movies file format?

## Practical Question

- 1) Perform `<ifram>` example.
- 2) Perform `<video>` example.

## Objective and MCQ

- 1) Which attribute specifies that video controls should be displayed (such as a play/pause button etc).
  - a) src
  - b) href
  - c) control
  - d) autoplay
- 2) Which attribute Specifies the URL of the video file
  - a) src
  - b) href
  - c) control
  - d) autoplay
- 3) Which attribute Specifies an image to be shown while the video is downloading, or until the user hits the play button
  - a) src
  - b) href
  - c) control
  - d) poster
- 4) HTML\_\_\_\_\_ tag is used to display a nested webpage (a webpage within a webpage)..
  - a) `<frame>`
  - b) `<ifram>`
  - c) `<src>`
  - d) `<thead>`
- 5) When the target attribute of a link matches the \_\_\_\_ of an iframe, the link will open in the iframe.
  - a) src
  - b) href
  - c) name
  - d) target