

# SunilOS



Html  
for Web designing

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[www.sunilos.com](http://www.sunilos.com)

[www.raystec.com](http://www.raystec.com)



# What is HTML ?

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- ❑ HTML stands for Hyper Text Markup Language.
- ❑ HTML describes static web pages.
- ❑ HTML tags are surrounded by opening and closing angular brackets, for ex. `<html>`.
- ❑ HTML tags are comes in pairs like `<html></html>`
- ❑ First tag is start tag and second is end tag.
  - `<tag name>Content goes here</tag name>`

# Where to write and execute the HTML code

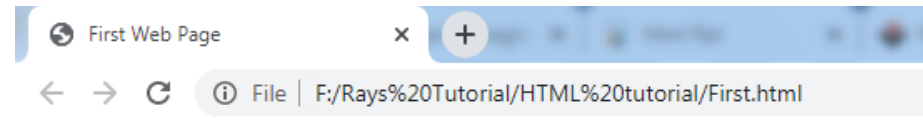
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- ❑ To write code we need an editor such as
  - Notepad
  - Gedit text editor
- ❑ To execute HTML code
- ❑ Just double click on .html file
- ❑ Or right click-open with chrome



# First Web Page

```
☐ <html>  
☐ <head>  
☐     <title>First Web Page</title>  
☐ </head>  
☐ <body>  
☐     <h1>Rays Technology</h1>  
☐     <h2>Rays Technology</h2>  
☐ </body>  
☐ </html>
```



**Rays Technology**

**Rays Technology**

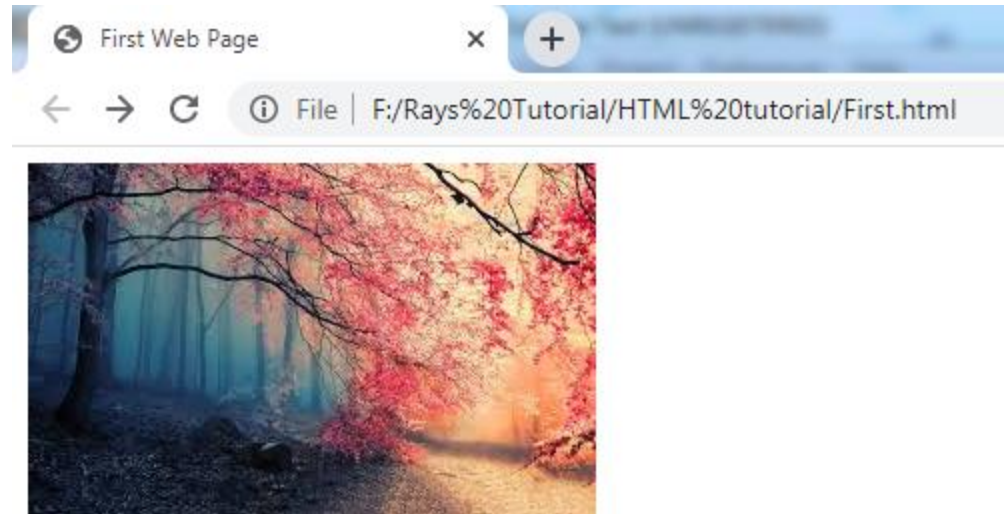
# Html links

- ❑ Html links are define by the anchor tag .
- ❑ It is used to connect web pages.
  - `<a href=""></a>`
  - `<html>`
  - `<head>`
  - `<title>First Web Page</title>`
  - `</head>`
  - `<body>`
  - `<a href="http://www.raystec.com">Rays Technology's Website</a>`
  - `</body>`
  - `</html>`
- ❑ **This link will redirect you to Rays Technology's website**



# How to add Images to web Page?

- ☐ Images are added by `<img src="">` tag in HTML
- ☐ `<html>`
- ☐ `<head>`
- ☐ `<title>First Web Page</title>`
- ☐ `</head>`
- ☐ `<body>`
- ☐ ``
- ☐ `</body>`
- ☐ `</html>`



# How to create Lists in HTML?

❑ There are Three Type of List in HTML

❑ Ordered List

- It start with `<ol>` tag and end with `</ol>`
- All list Items comes between `<li></li>` tag
- All items are Numbered.

❑ Unordered List

- It start with `<ul>` tag and end with `</ul>`
- All list Items comes between `<li></li>` tag
- All items are marked with filled black circle by default

❑ Definition List

- It start with `<dl>` tag and end with `</dl>`
- All description comes between `<dd></dd>` tag
- All terms comes within `<dt>` and `</dt>`.

## Ordered List with Letters

- A. Bread
- B. Eggs
- C. Milk
- D. Coffee

## Unordered List

- Item 1
- Item 2
- Item 3
- Item 4
- Item 5

## Definition List

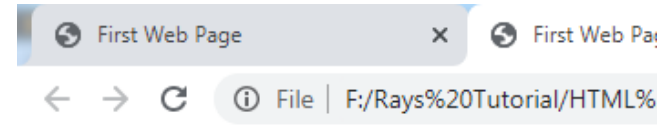
Noun

Noun is a name of person, place and things etc.

Pronoun

Pronoun comes at the place of noun.

```
<html>
<head>
  <title>First Web Page</title>
</head>
<body>
  <h1>Ordered List</h1>
  <ol>
    <li>First</li>
    <li>Second</li><li>Third</li><li>Fourth</li>
    <li>Fifth</li>
  </ol>
  <h1>Unordered List</h1>
  <ul>
    <li>First</li>
    <li>Second</li><li>Third</li><li>Fourth</li>
    <li>Fifth</li>
  </ul>
  <h1>Definition List</h1>
  <dl>
    <dt>Programming Language</dt>
    <dd>Java</dd>
    <dd>C</dd>
    <dd>C++</dd>
    <dd>Python</dd>
  </dl>
</body>
</html>
```



## Ordered List

1. First
2. Second
3. Third
4. Fourth
5. Fifth

## Unordered List

- First
- Second
- Third
- Fourth
- Fifth

## Definition List

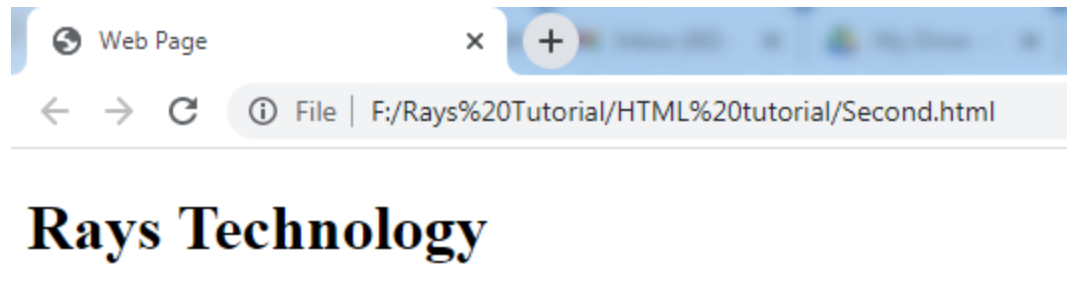
Programming Language

- Java
- C
- C++
- Python



# HTML Ruler(Lines)

- ☐ The `<hr>` tag is used to create the horizontal line in a web page.
- ☐ `<!DOCTYPE html>`
- ☐ `<html>`
- ☐ `<head>`
- ☐ `<title>Web Page</title>`
- ☐ `</head>`
- ☐ `<body>`
- ☐ `<h1>Rays Technology</h1>`
- ☐ `<hr>`
- ☐ `</body>`
- ☐ `</html>`



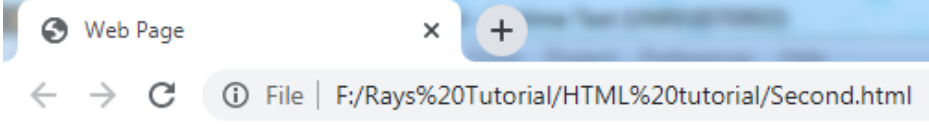
# HTML Table

- ❑ Table is used to arrange data in rows and columns.
- ❑ `<table>` tag is used to create a table in HTML.
- ❑ Each table can be divide in Rows with `<tr>` tag.
- ❑ Each row can be divide in columns with `<td>` tag.
- ❑ `<th>` tag is used to define the table header.
- ❑ By default Table header text is bold and centered .

	<code>&lt;td&gt;</code>	<code>&lt;td&gt;</code>	<code>&lt;td&gt;</code>
<code>&lt;tr&gt;</code>	Content	Content	Content
<code>&lt;tr&gt;</code>	Content	Content	Content
<code>&lt;tr&gt;</code>	Content	Content	Content

# HTML Table(cont.)

```
<table>
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Vijay</td>
    <td>Chouhan</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Ajay</td>
    <td>Mishra</td>
    <td>24</td>
  </tr>
</table>
```



The screenshot shows a web browser window with the title 'Web Page'. The address bar displays the file path 'F:/Rays%20Tutorial/HTML%20tutorial/Second.html'. The rendered table is displayed below the address bar.

Firstname	Lastname	Age
Vijay	Chouhan	50
Ajay	Mishra	24

# Table Attributes

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- ❑ Html Table attribute is used to make table more attractive.
- ❑ Some attributes are
  - colspan=a cell span mor than one column
  - rowspan= a cell span more than on row
  - cellpadding= to add padding between cell text and cells.
  - cellspacing= to add space between table cells
  - border= to add table border.

# HTML forms

- ❑ Forms are used to collect user input.
- ❑ Forms are defined by `<form>` tag.
- ❑ Form is a container tag. It contains another element tags, for ex. Radio buttons, text box, check box etc.
- ❑ Each input element contains a name attribute to sent the form data to the server for the further processing.

Register

Username\*:

Email\*:

Password\*:

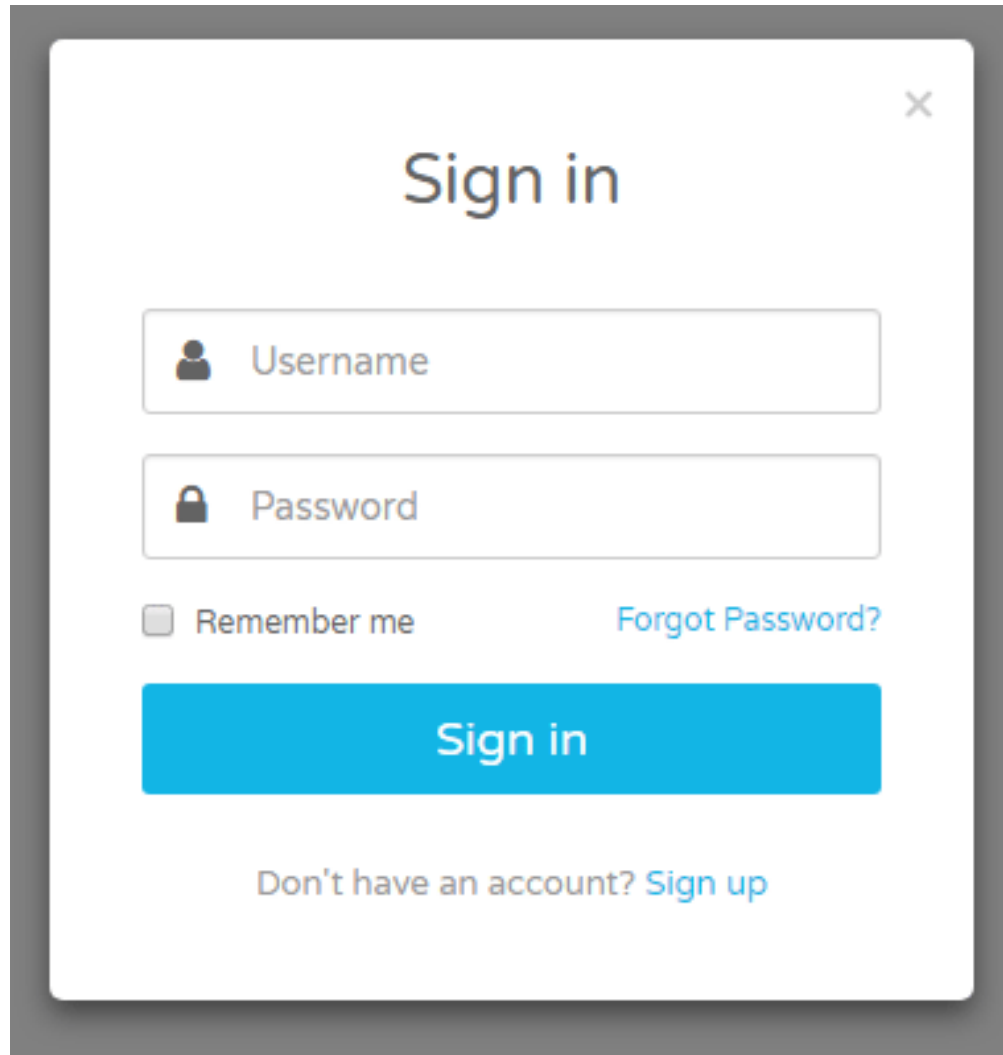
Confirm password:

First Name:

Last Name:

Phone Number:

# Html Forms



Sign in

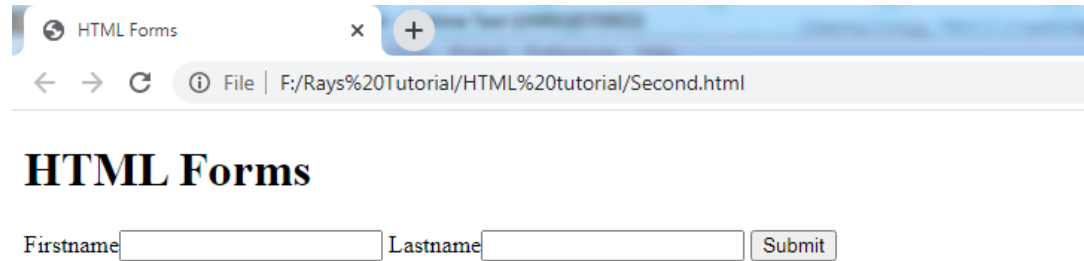
☐ Remember me [Forgot Password?](#)

[Sign in](#)

Don't have an account? [Sign up](#)

# HTML forms

- ☐ `<!DOCTYPE html>`
- ☐ `<html>`
- ☐ `<head>`
- ☐ `<title>HTML Forms</title>`
- ☐ `</head>`
- ☐ `<body>`
- ☐ `<h1>HTML Forms</h1>`
- ☐ `<form>`
- ☐ `Firstname<input`  
`type="text" name="fname">`
- ☐ `Lastname<input`  
`type="text" name="lname">`
- ☐ `<input type="submit"`  
`value="Submit">`
- ☐ `</form>`
- ☐ `</body>`
- ☐ `</html>`



# HTML Comments

---

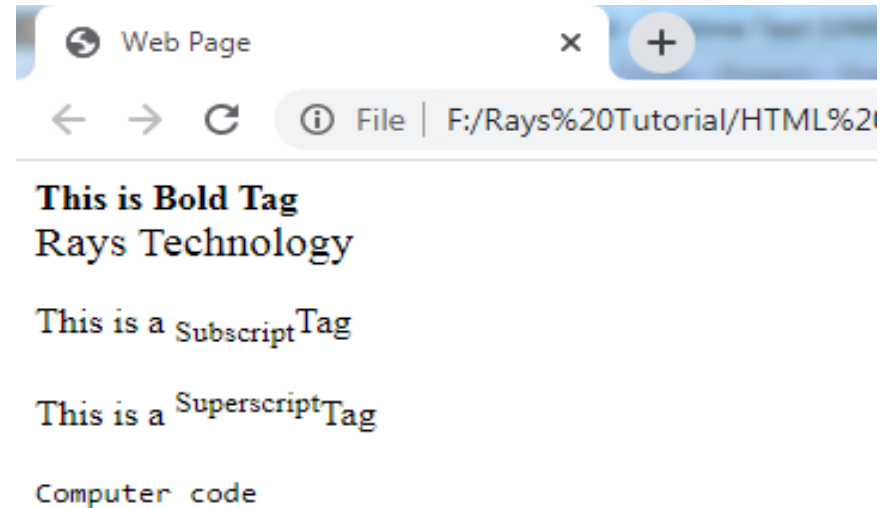
- ❑ Comments are used in a html document to make it more readable.
- ❑ Html comments are ignored by the browser while displaying the web page.
- ❑ Content not displayed by the browser which is written in a comment tag.
- ❑ `<!--This is a comment tag -->`



# Text formatting in HTML

❑ Some Formatting tag in HTML is as following

- o `<b>`=Bold
- o `<i>`=italic
- o `<sub>`=subscript
- o `<sup>`=superscript
- o `<strong>` - Important text
- o `<em>` - Emphasized text
- o `<mark>` - Marked text
- o `<small>` - Smaller text
- o `<del>` - Deleted text
- o `<ins>` - Inserted text



❑ `<b>This is Bold Tag</b><br>`

❑ `<big>Rays Technology</big><br>`

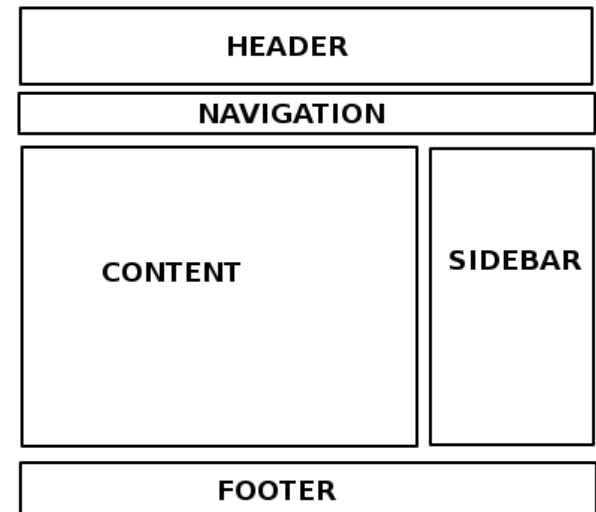
❑ `<p>This is a <sub>Subscript</sub>Tag</p>`

❑ `<p>This is a <sup>Superscript</sup>Tag</p>`

❑ `<code>Computer code</code>`

# HTML Frames

- ❑ Frames are used to divide a web page in multiple windows.
- ❑ Each section can load different html documents.
- ❑ Set of multiple frames are known as frame set.
- ❑ We can create frameset using `<frameset>` tag.
- ❑ We can create frames using `<frame>` tag.
- ❑ Frames are deprecated in HTML5.
- ❑ Frames can be arranged in rows and columns.



# HTML Frames (cont.)

```

❑ <!DOCTYPE html>
❑ <html>
❑ <head>
❑     <title>Frameset</title>
❑ </head>
❑     <frameset      cols = "40%,50%">
❑         <frame name='f' src="first.html"></frame>
❑         <frame name='f' src="Second.html"></frame>
❑     </frameset>
❑     <noframes>
❑         <body>browser does not support frames</body>
❑     </noframes>
❑ </html>

```

File | F:/Rays%20Tutorial/HTML%20tutorial/Third.html

**Ordered List**

1. First
2. Second
3. Third
4. Fourth
5. Fifth

**Unordered List**

- First
- Second
- Third
- Fourth
- Fifth

**Definition List**

Programming Language

- Java
- C
- C++
- Python

**HTML Forms**

Firstname  Lastname

# HTML iframe

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- ❑ It is used to create a inline frame in a html document.
- ❑ We can create a rectangular region with scroll bars and borders to embedded a html document anywhere in a Html document.
- ❑ `<iframe src="document path">` tag is used to create inline frame in the document.

# HTML iframe

```

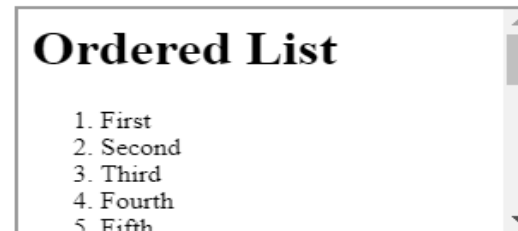
❑ <!DOCTYPE html>
❑ <html>
❑ <head>
❑     <title>Frameset</title>
❑ </head>
❑ <body>
❑     <h1>content here</h1>
❑     <iframe src="first.html"></iframe>
❑     <h1>Content here</h1>
❑ </body>

❑ </html>

```

← → ↻ ⓘ File | F:/Rays%20Tutorial/HTML%20tutorial/Third.html

**content here**



















**Content here**

# HTML colors

- ❑ Colors are used to make a web page more attractive.
- ❑ We can add colors using bgcolor attribute in a <body> tag.
- ❑ HTML supports different color coding styles.
  - Color Names: Red, Green , Blue
  - Hexa codes: #aaaaaa
  - rgb() and hsv() color models: rgb(255,0,0)

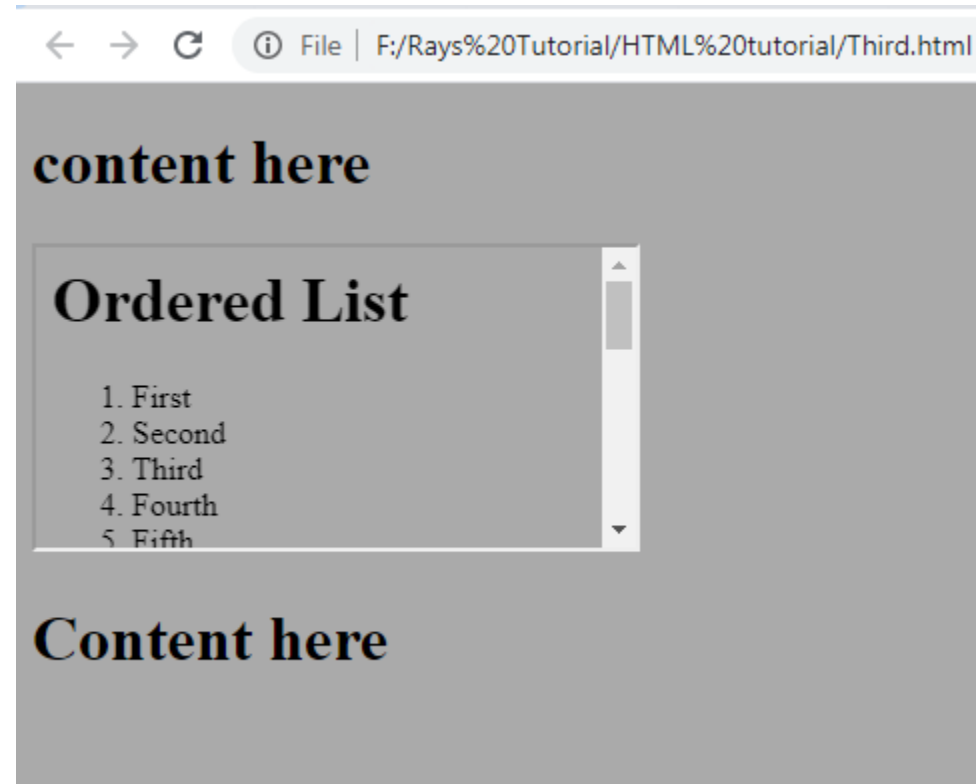
## HTML Colors

Color Names | 6-digit Hex code

Color	Hexadecimal	Color	Hexadecimal
	FF0000		0000FF
	FF8000		7F00FF
	FFFF00		FF00FF
	7FFF00		FF0080
	00FF00		804000
	00FF80		7F7F7F
	00FFFF		FFFFFF
	007FFF		000000

# HTML Colors

- ☐ `<!DOCTYPE html>`
- ☐ `<html>`
- ☐ `<head>`
- ☐ `<title>Frameset</title>`
- ☐ `</head>`
- ☐ `<body bgcolor="#aaaaaa">`
- ☐ `<h1>content here</h1>`
- ☐ `<iframe src="first.html"></iframe>`
- ☐ `<h1>Content here</h1>`
- ☐ `</body>`
- ☐ `</html>`



# HTML Marquee

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- ❑ This tag is used to add floating text to the web page.
- ❑ Text can float either horizontally or vertically across the web page.
- ❑ It is deprecated in HTML5.
- ❑ `<marquee>This is floating Text</marquee>`



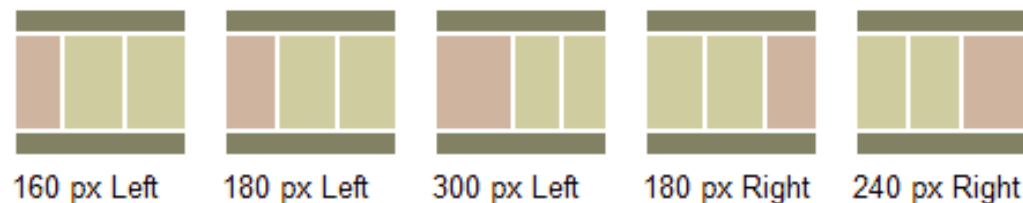
# HTML Layouts

- ❑ A layout is very important for a attractive website
- ❑ Now a days JS and other frameworks are used to make responsive website layouts.
- ❑ But we can create website layouts using HTML `<table>`, `<div>` and `<span>` tag with combination with other tag of Html.

## Full Main Column Layouts

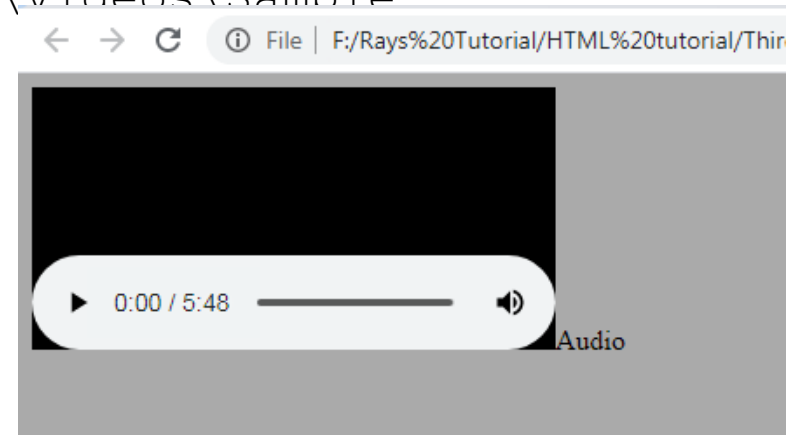


## 1/2 x 1/2 Main Column Layouts



# HTML Media

- ❑ Sometimes we need to add video and sound to our web page
- ❑ To add media we can use `<embed>` tag in html.
- ❑ `<!DOCTYPE html>`
- ❑ `<html>`
- ❑ `<head>`
- ❑ `</head>`
- ❑ `<body bgcolor="#aaaaaa">`
- ❑ `<embed src="C:\Users\Public\Music\Sample Music\Kalimba.mp3">Audio</embed>`
- ❑ `<embed src="C:\Users\Public\Videos\Sample Videos\Wildlife.wmv">`
- ❑ `Video`
- ❑ `</embed>`
- ❑ `</body>`
- ❑ `</html>`



# Disclaimer

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- ❑ This is an educational presentation to enhance the skill of computer science students.
- ❑ This presentation is available for free to computer science students.
- ❑ Some internet images from different URLs are used in this presentation to simplify technical examples and correlate examples with the real world.
- ❑ We are grateful to owners of these URLs and pictures.

# Thank You!

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