

HTML Tutorial for Beginners

by CoderPradip

Hi, my Name is Pradip Adhikari and I will be happy if you call me **CoderPradip**. I have some knowledge about Computer Programming as I am the student of Programming.

There are lots of HTML tags and Attributes. In this tutorial I have mentioned some tags and attributes which are easier and helpful for a web developer.

If you found any mistakes in this tutorial feel free to comment and don't be so selfish Please send me your Problems I will try my best to reply you as soon as possible (if you send me message on my Facebook).

I hope you'll love this Tutorial.

You can Catch me on Facebook, follow me on Twitter and Watch my Videos on YouTube.

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HTML is a computer language devised to allow website creation. These websites can then be viewed by anyone else connected to the Internet. It is relatively **easy to learn**, with the basics being accessible to most people in one sitting; and quite **powerful** in what it allows you to create. It is constantly undergoing revision and evolution to meet the demands and requirements of the growing Internet audience under the direction of the [W3C](#), the organisation charged with designing and maintaining the language.

The definition of HTML is **HyperText Markup Language**.

- *HyperText* is the method by which you move around on the web — by clicking on special text called **hyperlinks** which bring you to the next page. The fact that it is *hyper* just means it is not linear — i.e. you can go to any place on the Internet whenever you want by clicking on links — there is no set order to do things in.
- *Markup* is what **HTML tags** do to the text inside them. They mark it as a certain type of text (*italicised* text, for example).
- HTML is a *Language*, as it has code-words and syntax like any other language.

How does it work?

HTML consists of a series of short **codes** typed into a text-file by the site author — these are the tags. The text is then **saved as a html file**, and **viewed through a** browser, like *Internet Explorer* or *Netscape Navigator*. This browser reads the file and translates the text into a visible form, hopefully rendering the page as the author had intended. Writing your own HTML entails using tags correctly to create your vision. You can use anything from a rudimentary text-editor to a powerful graphical editor to create HTML pages.

Where to write HTML?

you can write HTML in most of the text editors including Notepad.

But I recommend you to use Sublime text editor or Notepad ++.

The Basic Structure of HTML

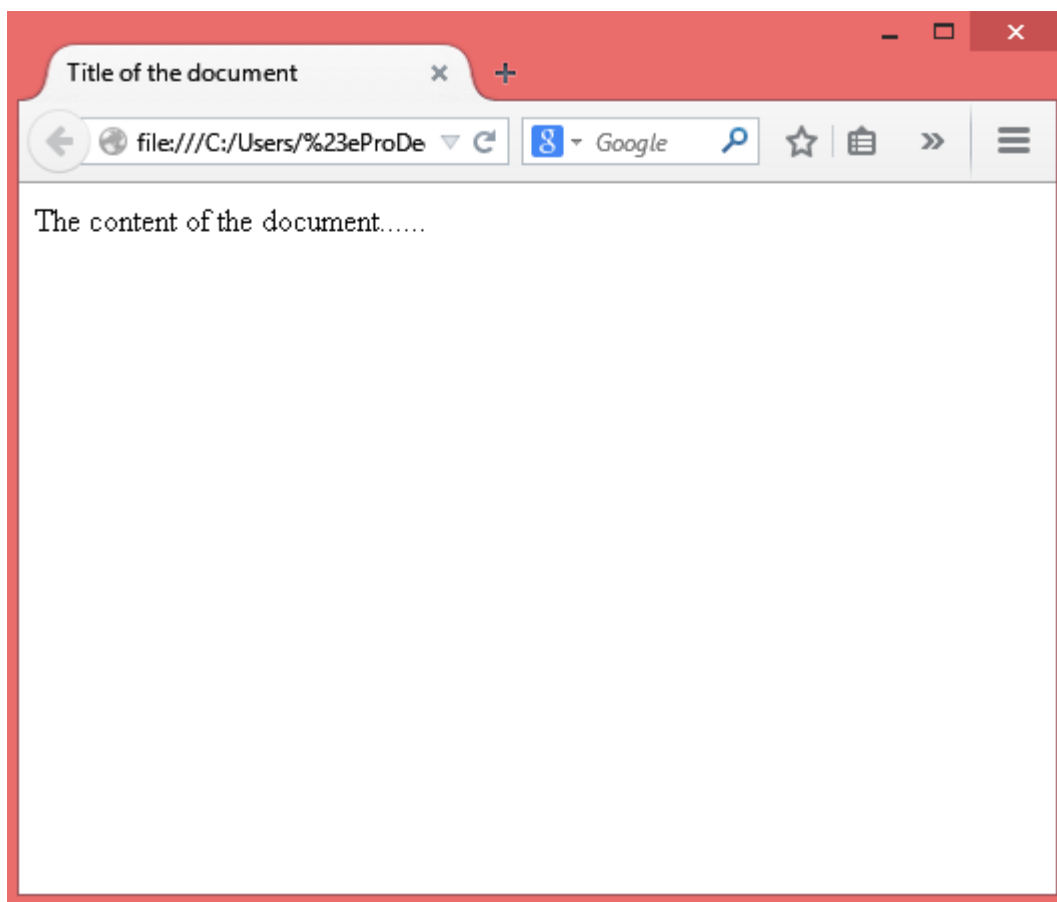
```
<!DOCTYPE html>  
<html>
```

```
<head>
<title>Title of the document</title>
</head>

<body>
The content of the document.....
</body>

</html>
```

After writing the code you must save the file as name.html for example: index.html(the format must be html or htm).



The **<!DOCTYPE>** declaration must be the very first thing in your HTML document, before the `<html>` tag.

The **<!DOCTYPE>** declaration is not an HTML tag; it is an instruction to the web browser about what version of HTML the page is written in.

<html> tells the browser that this is an html file.

<head> element is a container for all the head elements.

The **<head>** element can include a title for the document, scripts, styles, meta information, and more.

The following elements can go inside the **<head>** element:

- **<title>**
- **<style>**
- **<script>**
- **<meta>**
- **<Link>** etc.

<title> defines the title of the document.

<body> defines the body of the document.

Body has some *attributes*.

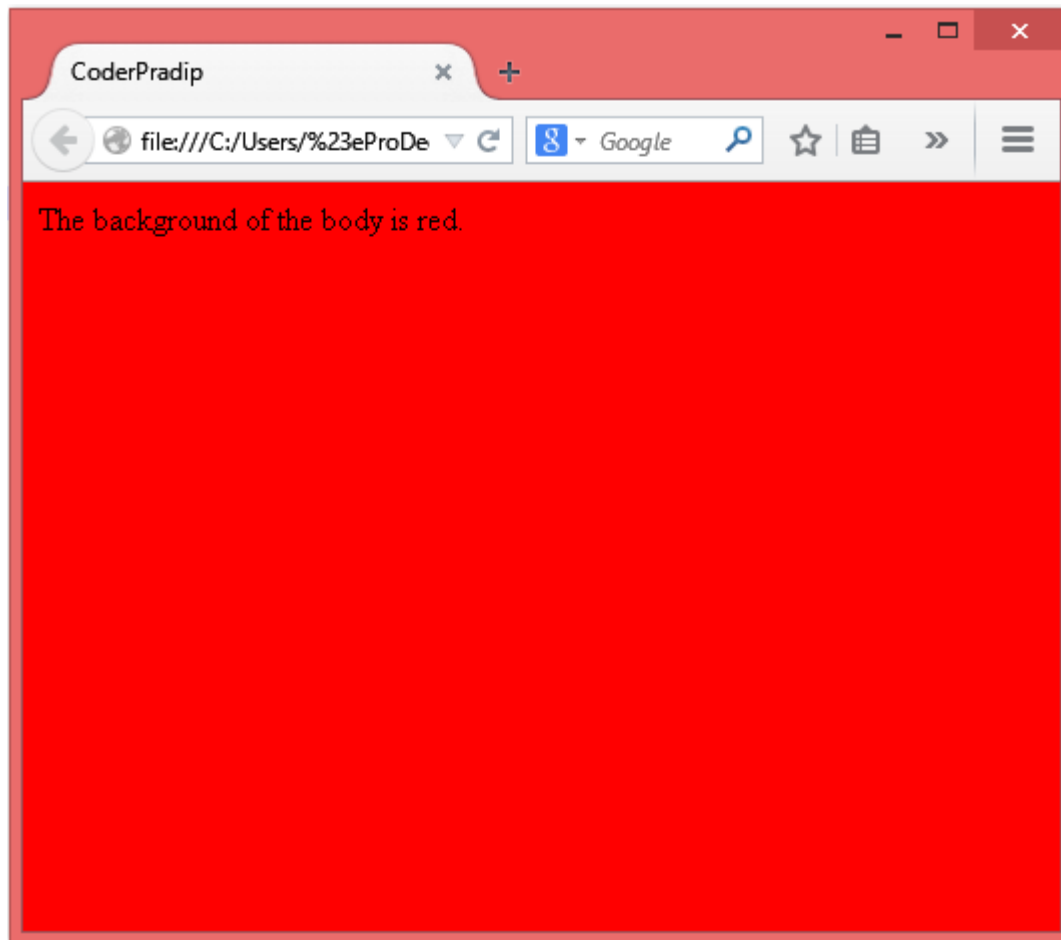
Attribute name	Values	Description
alink	color	Colors a active link
bgcolor	color	Specifies background color
vlink	color	Specifies the color of visited link
Link	Color	Specifies the color of a link
Text	Color	Specifies the text color

Example:

```
<body bgcolor="red">
```

The background of the body is red.

```
</body>
```



Heading Tag

It has 6 heading `<h1>` to `<h6>`. The heading tag defines the heading of the document.

Example

```
<h1>Heading 1</h1>
```

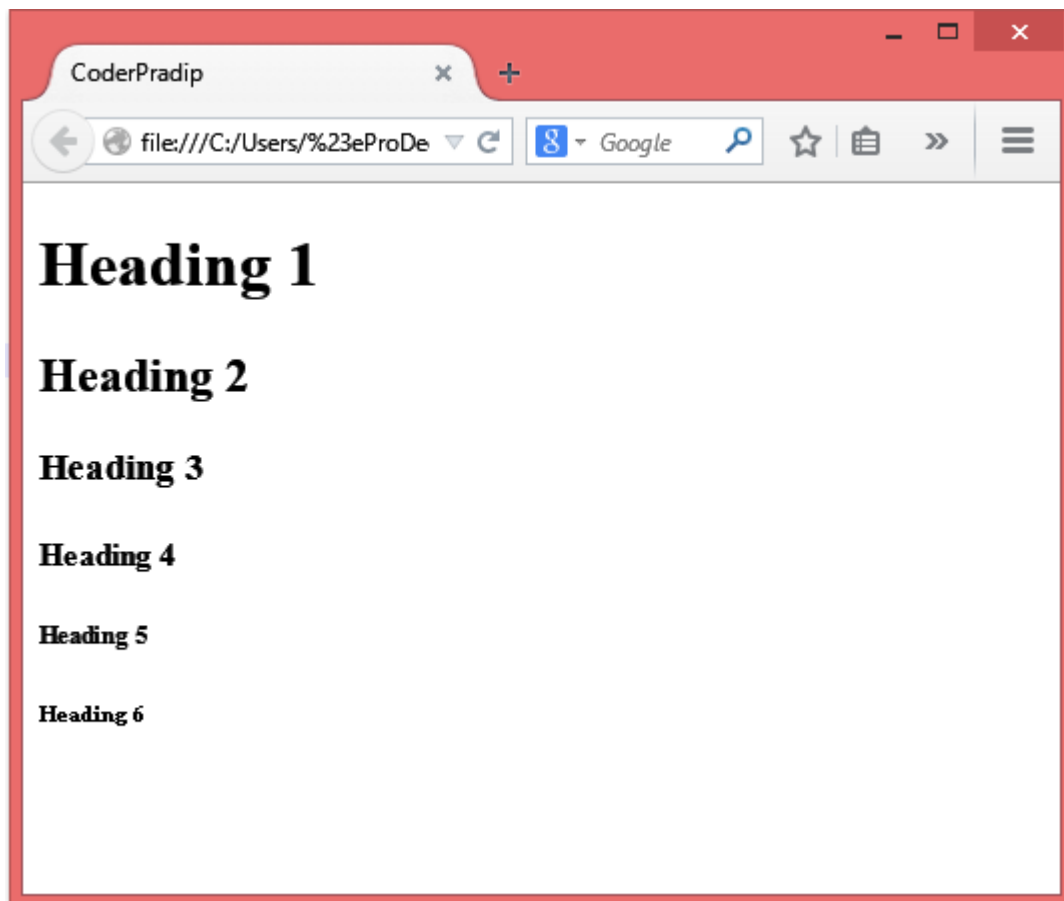
```
<h2>Heading 2</h2>
```

```
<h3>Heading 3</h3>
```

```
<h4>Heading 4</h4>
```

```
<h5>Heading 5</h5>
```

```
<h6>Heading 6</h6>
```



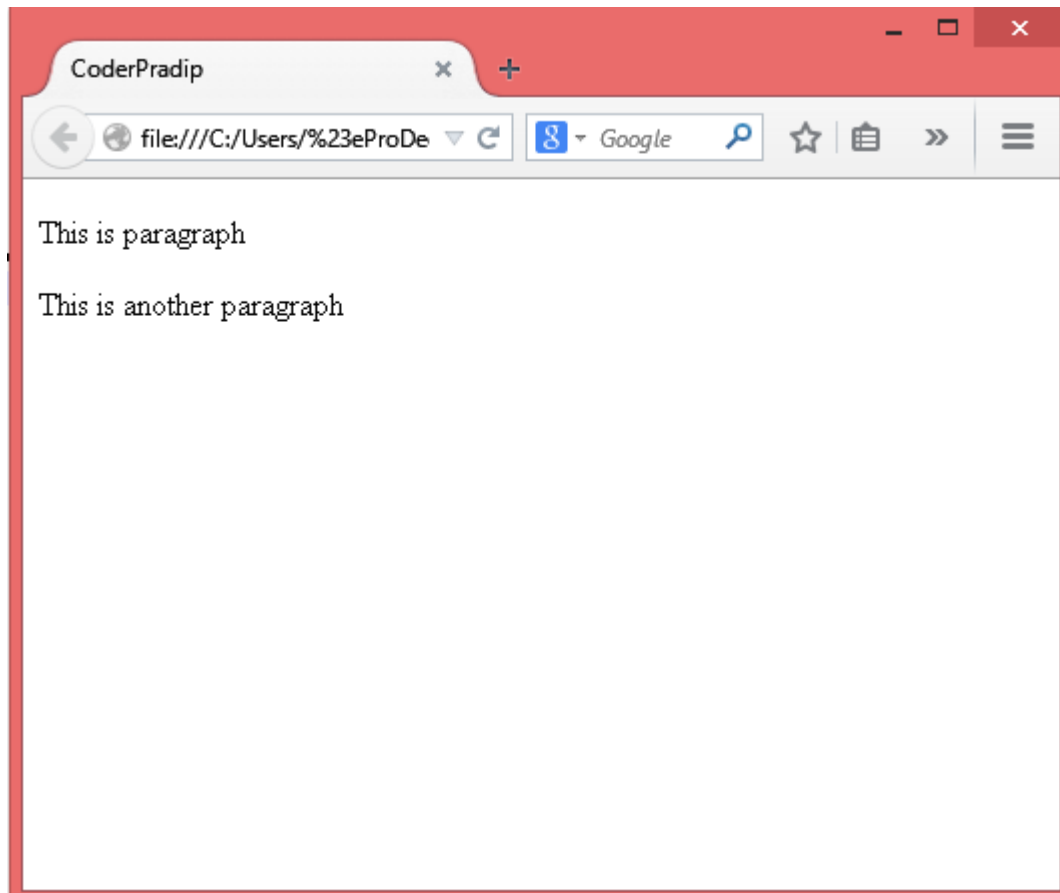
Paragraph Tag

`<p>` tag defines a Paragraph

For example

`<p>This is paragraph</p>`

`<p>This is another paragraph</p>`

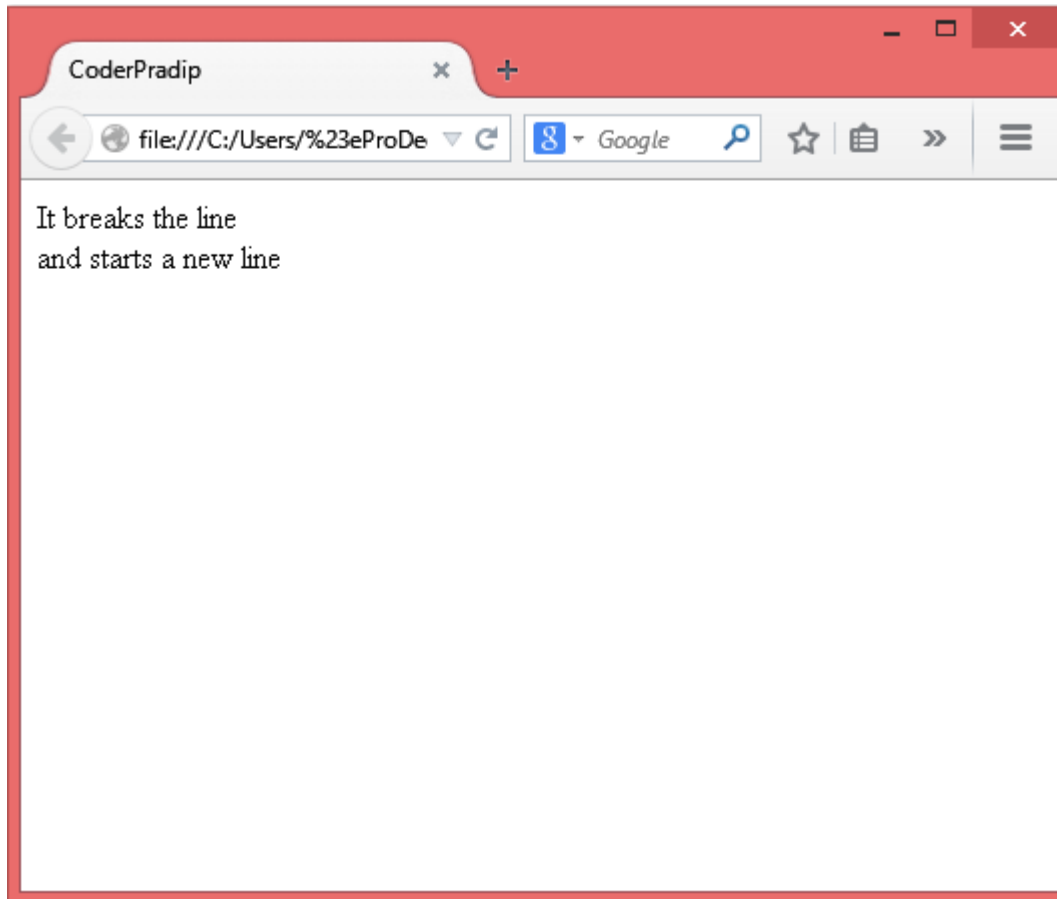


Line Break Tag

`
` tag breaks a line. `
` is a single tag so we don't have to write a closing tag.

Example:

It breaks the line `
` and starts a new line.



Center Tag

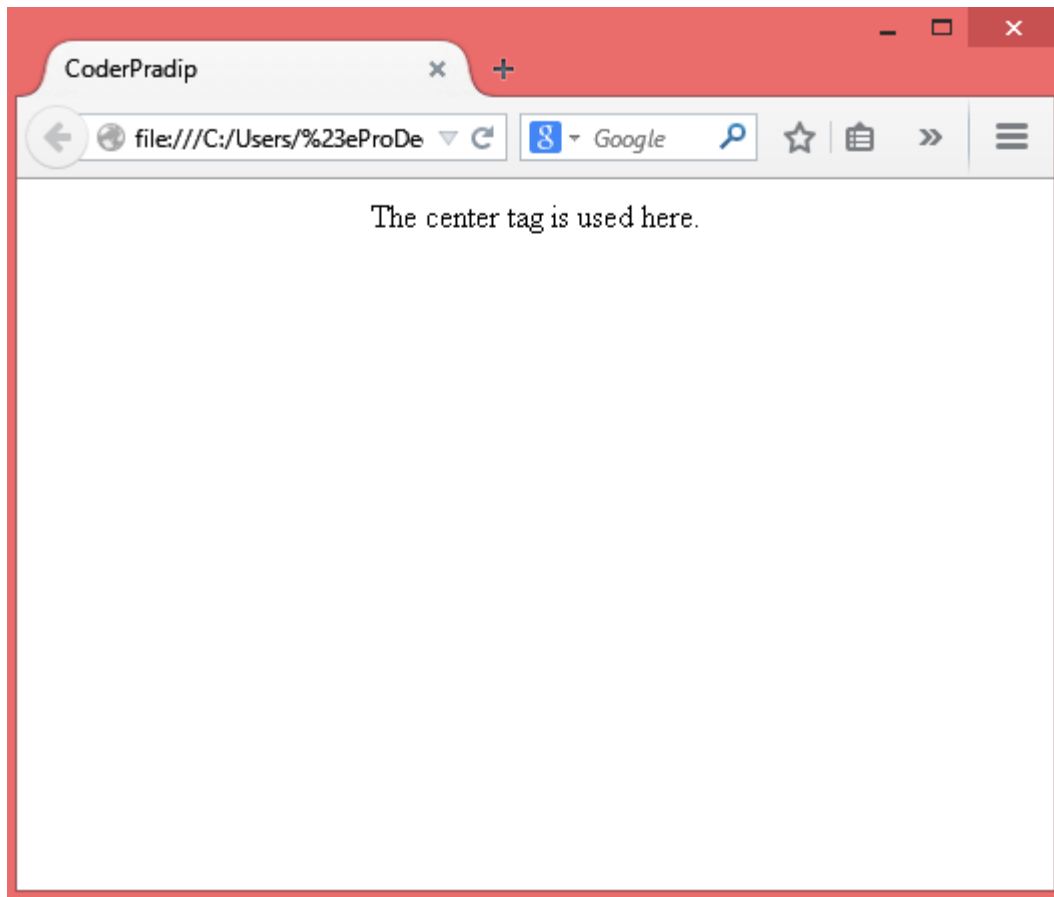
`<center>` tag is used to center-align.

Example:

`<center>`

The center tag is used here.

`</center>`



Link Tag

`<a>` tag is used to link from one page to another.

There are two types of Hyperlink

1. Internal hyperlink

Internal hyperlink is used to link another id or division of a same page.

For example:

```
<A href="#top" >go to top</a>
```

(I will mention later about internal hyperlink)

2. External hyperlink

Attributes name	Values	Description
href	Link/path of url	Specifies the link.
target	_blank/_top/_self/_parent	Specifies where to open linked file.
download	<i>filename</i>	Allows the user to download file when clicked.
Title	<i>Your text</i>	Specifies the title on mouse hover.

Example:

```
<a href=https://facebook.com/coderpradip target="_blank" > click here </a>
```

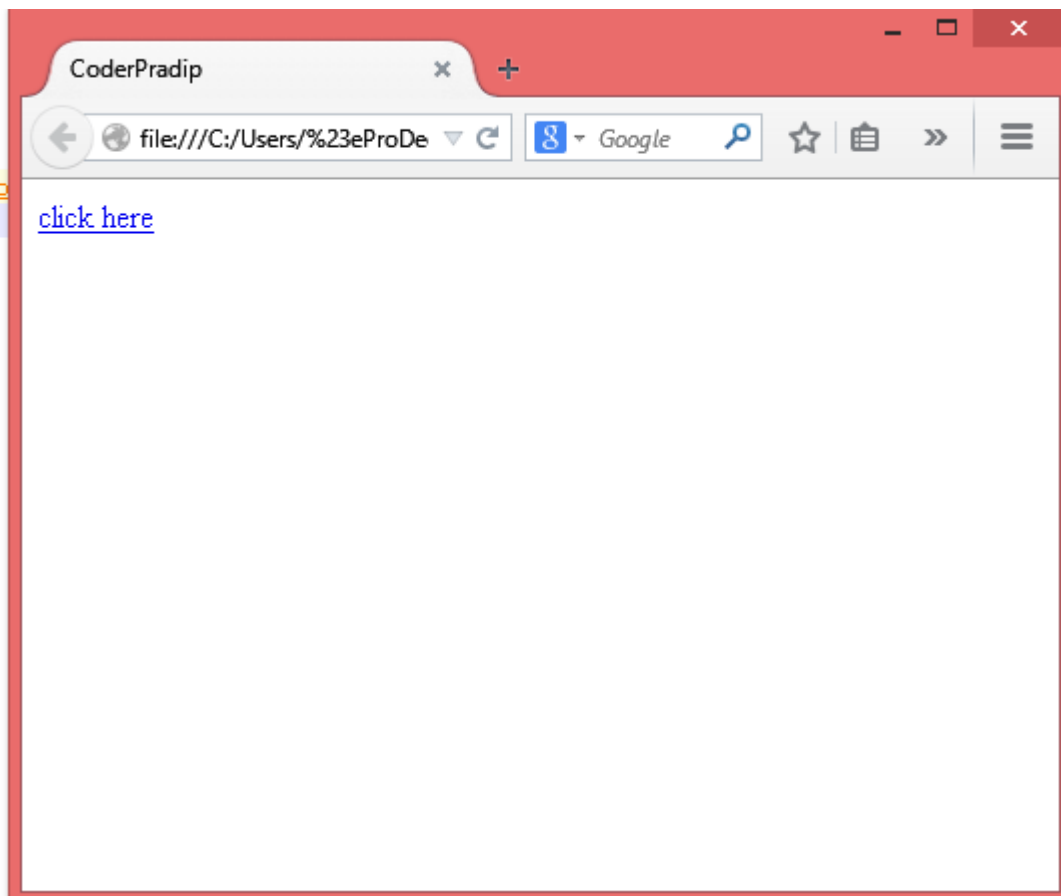


Image Tag

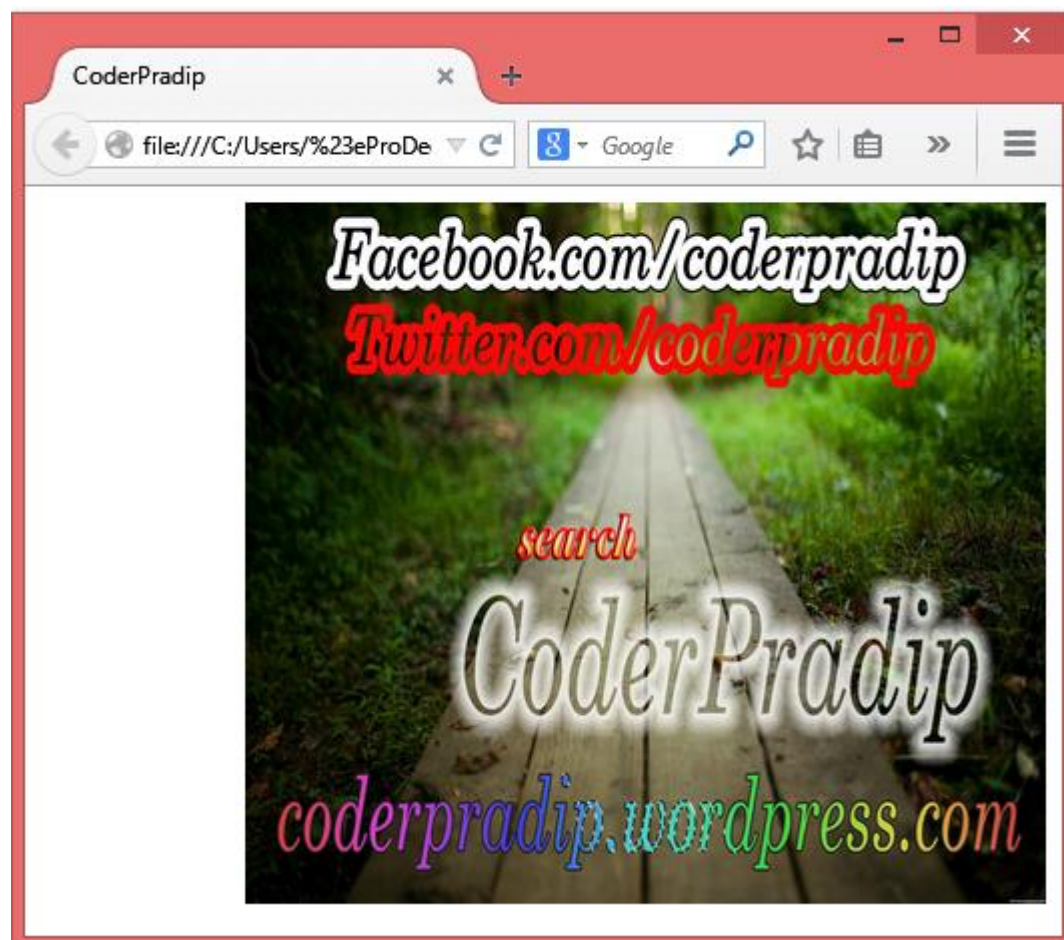
 tag defines a image in HTML page. tag is an Single/empty tag so it doesn't have any closing tag.

Attributes name	Values	Description
Src	<i>Link or path of image</i>	Specifies the url or path of an image.
Alt	<i>Your text</i>	Defines a alternative text for an image.
align	Left/right/top/bottom/middle	Specifies the alignment of an image.
Border	<i>Value in pixel</i>	Specifies the border around the image.
Height/width	<i>Value in pixel</i>	Specifies height & width of image.
Title	<i>Your text</i>	Specifies the title of an image.

Example:

```

```



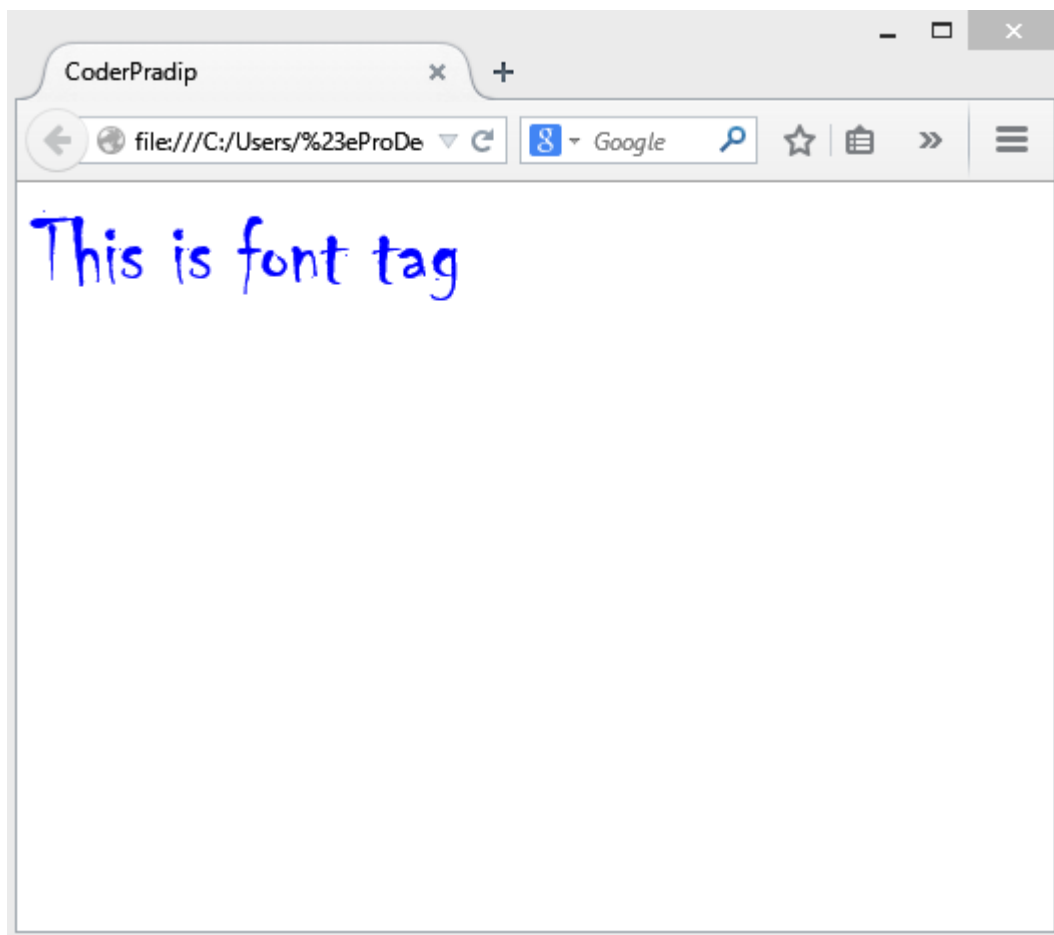
Font tag

The tag specifies the font face, font size, and color of text.

Attributes name	Values	Description
Color	<i>Color name/hex value</i>	Specifies the color of the text.
Face	<i>Font name</i>	Specifies the font of text.
Size	<i>Your value</i>	Specifies the size of font.

Example:

```
<font face="chiller" color="blue" size="20px" >This is font tag</font>
```



List tag

Attributes name	Values	Description
Type	1/a/I (order list) Circle/square/disc(unorder list)	Specifies the type of list.
Start	B/6/V (order list)	Specifies from where to start the list.

There are three types of list in HTML.

I. Order List

The tag defines an ordered list. An ordered list can be numerical or alphabetical.

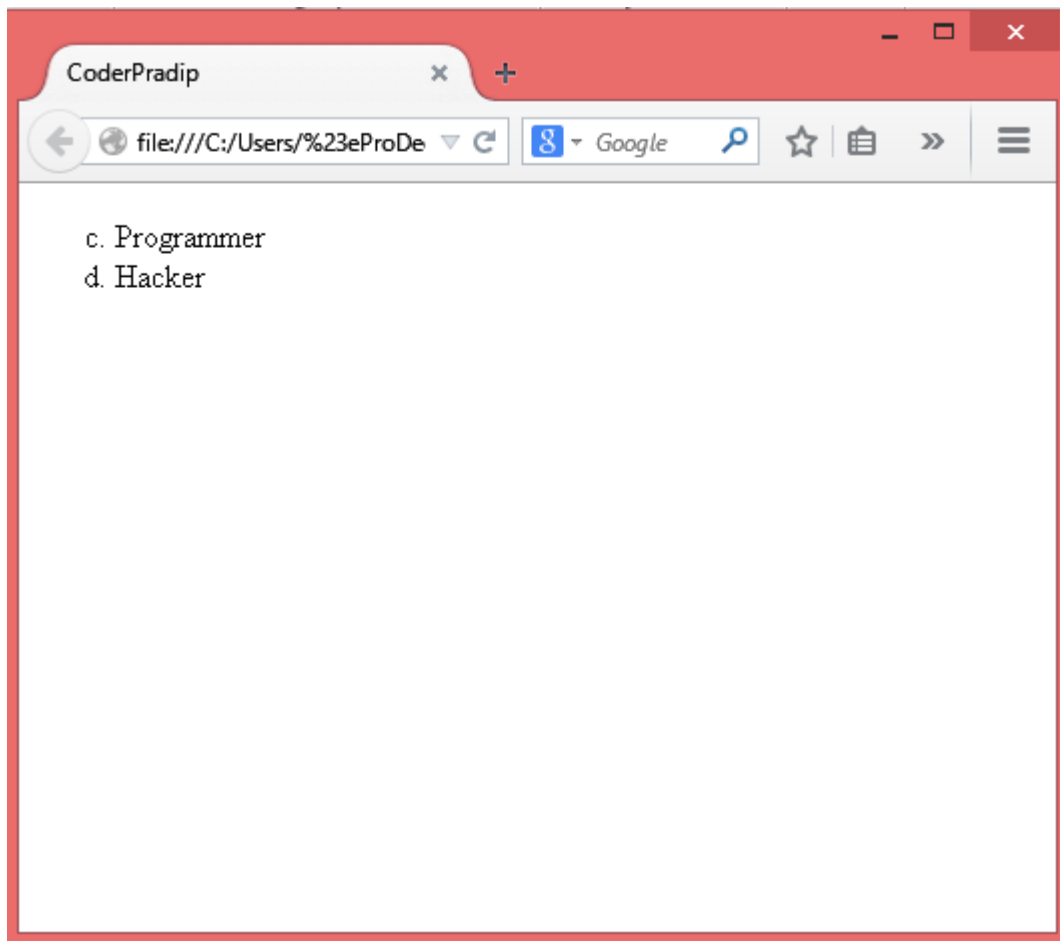
Example:

```
<ol type="a" start="3">
```

```
<li>Programmer</li>
```

```
<li>Hacker</li>
```

```
</ol>
```



II. Unorder List

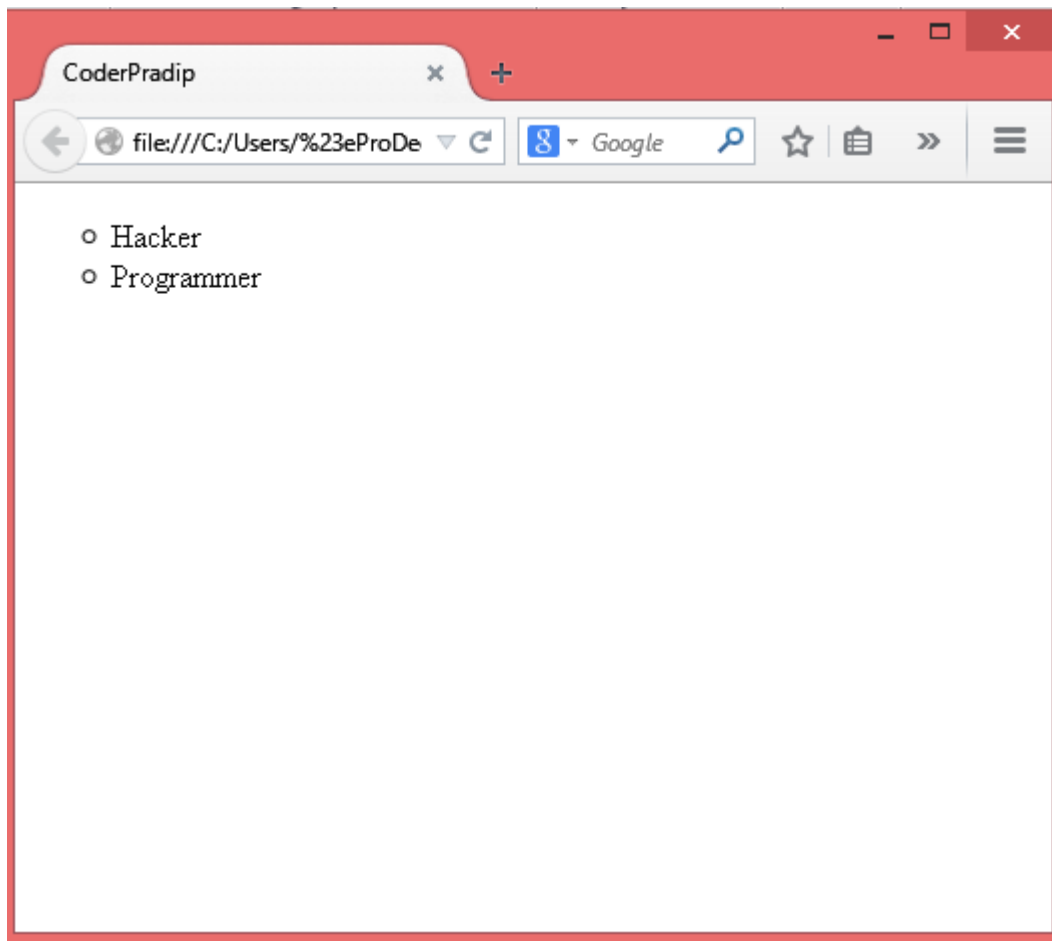
The `` tag defines an unordered (bulleted) list.

```
<ul type="circle">
```

```
<li>Hacker</li>
```

```
<li>Programmer</li>
```

```
</ul>
```



III. Definition List

<dl> tag defines a description list.

Example:

```
<dl>
<dt>Hacker</dt>
<dd>Hacker Hacks other's sites or accounts</dd>
<dt>Programmer</dt>
<dd>Programmer writes codes and designs</dd>
</dl>
```

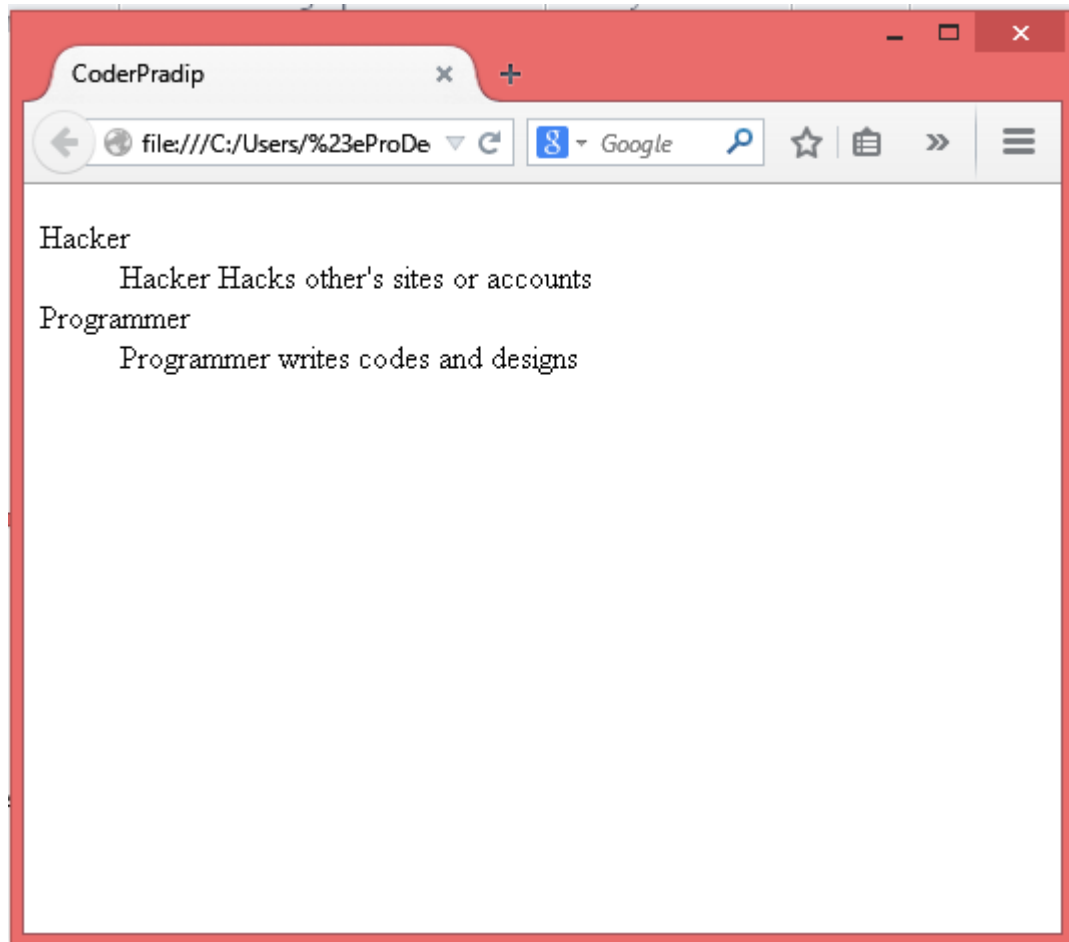


Table Tag

<table> tag defines table in HTML.

Is has some other tags to include in:

<tr> defines Table row.

<th> defines Table head.

<td> defines Table data.

Attributes name	Values	Description
bgcolor	<i>Color name/hex value</i>	Specifies the background color in table.
border	<i>Value</i>	Specifies the border in the table.
cellpadding	<i>Value in pixel</i>	Specifies the space between walls and contents of a cell.
cellspacing	<i>Value in pixel</i>	Specifies the space between cells.

Example:

```
<table border="2" bgcolor="pink">
<tr>
<th>Hacker</th>
<th>Programmer</th>
</tr>
<tr>
<td>Hacks</td>
<td>Codes</td>
</tr>
</table>
```

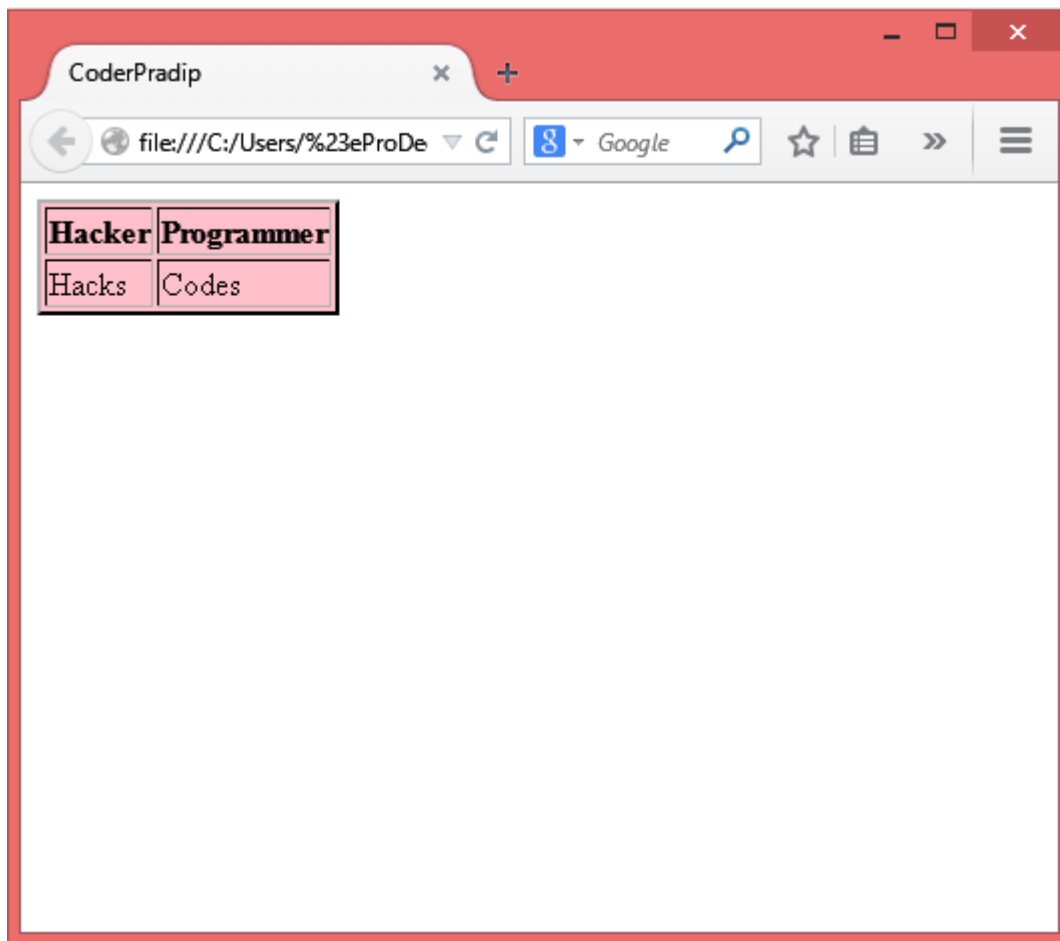


Table Rowspan/Colspan

The Rowspan specifies the number of rows a header cell should span.

The Colspan specifies the number of columns a header cell should span.

Actually it's not a tag it's an attribute of `<th>` tag.

Example:

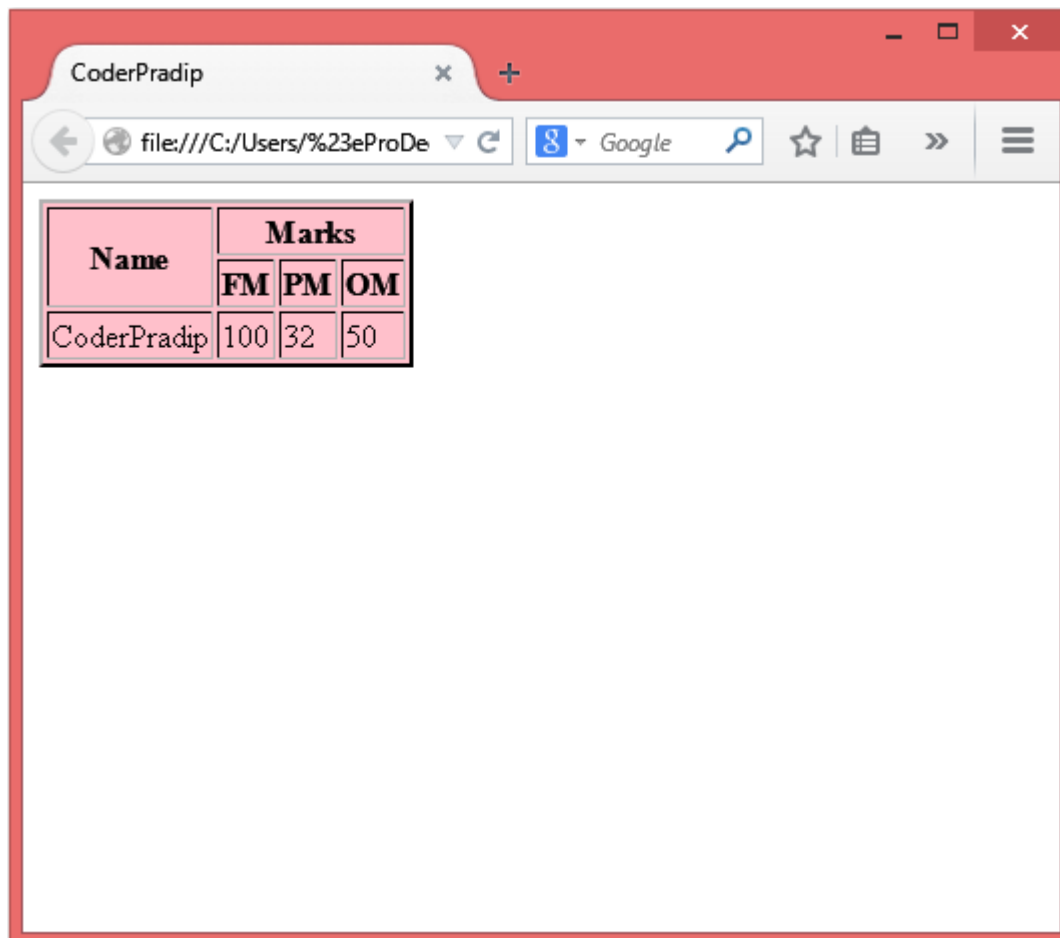
```
<table border="2" bgcolor="pink">
```

```
<tr>
```

```
<th rowspan="2">Name</th>
```

```
<th colspan="3">Marks</th>
```

```
</tr>
<tr>
<th>FM</th>
<th>PM</th>
<th>OM</th>
</tr>
<td>CoderPradip</td>
<td>100</td>
<td>32</td>
<td>50</td>
</tr>
</table>
```



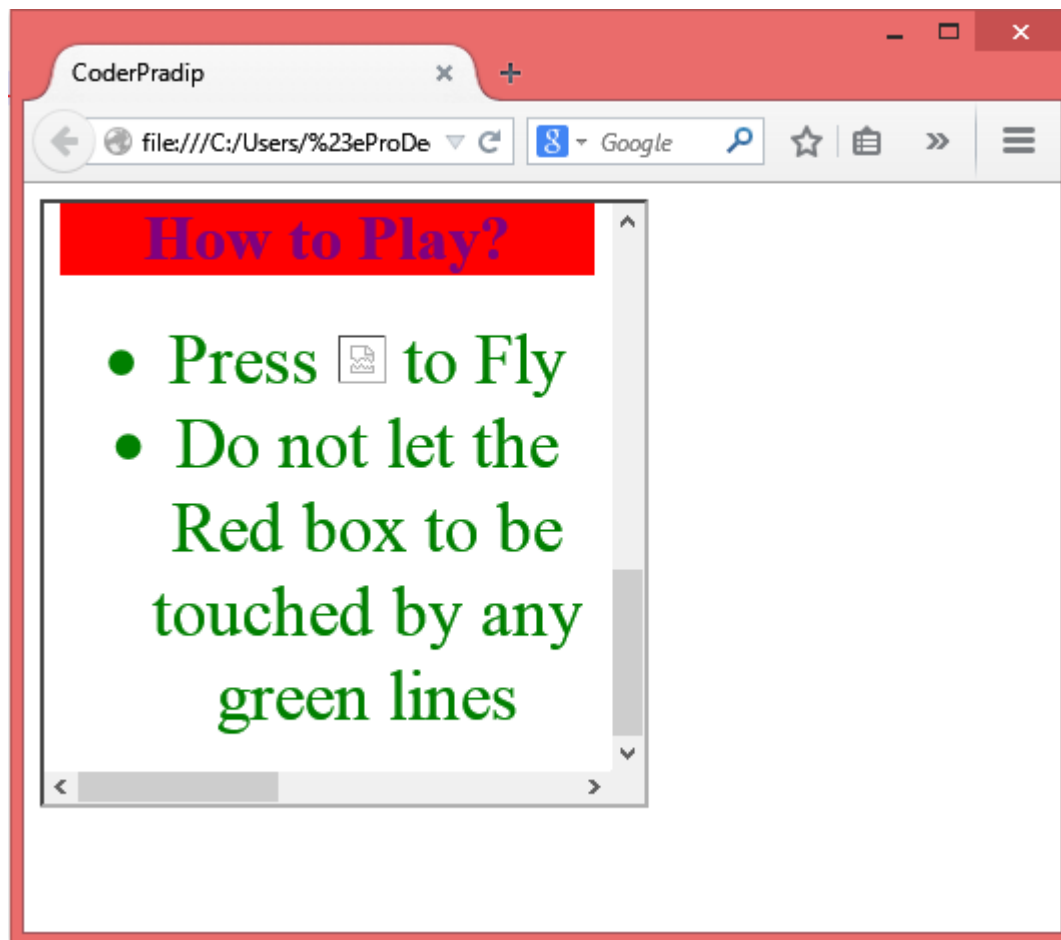
Iframe Tag

<iframe> specifies an inline frame.

Attributes name	Values	Description
Src	<i>url/path</i>	Specifies the Path embedded document.
Name	<i>Your text</i>	Specifies the name of Frame.
Height/width	<i>Value</i>	Specifies the height/width of Frame.

Example:

```
<iframe src="mygame.html" name="myframe" height="300" width="300">
```



Video and Audio Tag

Attributes name	Values	Description
Controls	No-value or Controls	Specifies the control box.
Autoplay	No-value or autoplay	It plays the video/audio when page is loaded.
loop	Times(1,2,3) or infinite	Specifies how many time the video/audio should be played.
Muted	No-value or muted	Specifies that the video/audio is muted.
Height/width	value	Specifies the height/width of the video/audio.
Poster (Only for Video)	Path/url of the image	Specifies an image to be shown while the video is downloading, or until the user hits the play button

<source> tag is used to specify multiple media resources for media

elements, such as `<video>` and `<audio>`.

Attributes of `<Source>`

Attributes name	Values	Description
Src	Path/url	Specifies the path or url of video or audio.
Type	<i>Media type</i>	Specifies the types of media.

- **Video Tag**

The video tag specifies the video file.

Example:

```
<video controls poster="links.jpg" height="400px" width="400px">
```

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

```
</video>
```



- **Audio Tag**

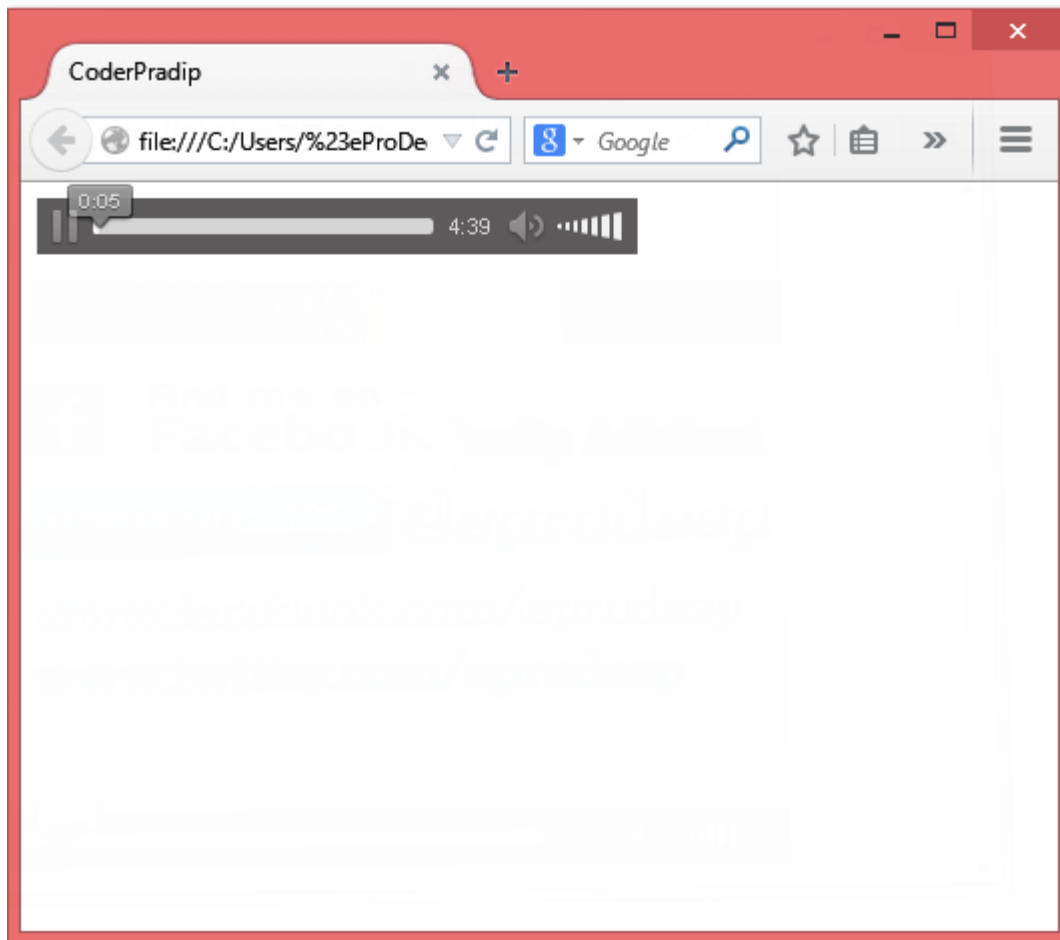
the audio tag specifies the audio file.

Example:

```
<audio controls autoplay >
```

```
  <source src="meronepal.mp3" type="audio/mp3">
```

```
</audio>
```

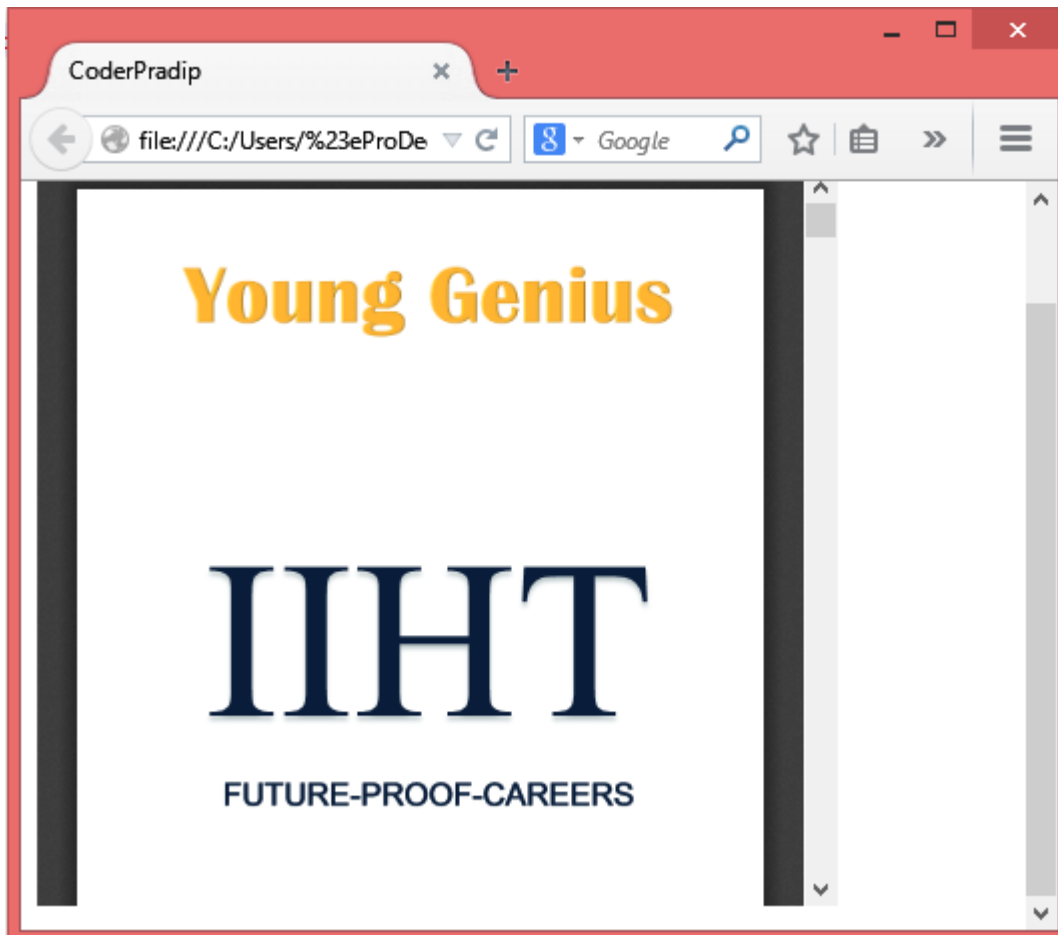


Embed Tag

The <embed> tag is used to include some other files in html (like PDF files).

Example:

```
<embed src="iiht.pdf" height="400px" width="400px" >
```

Marquee Tag

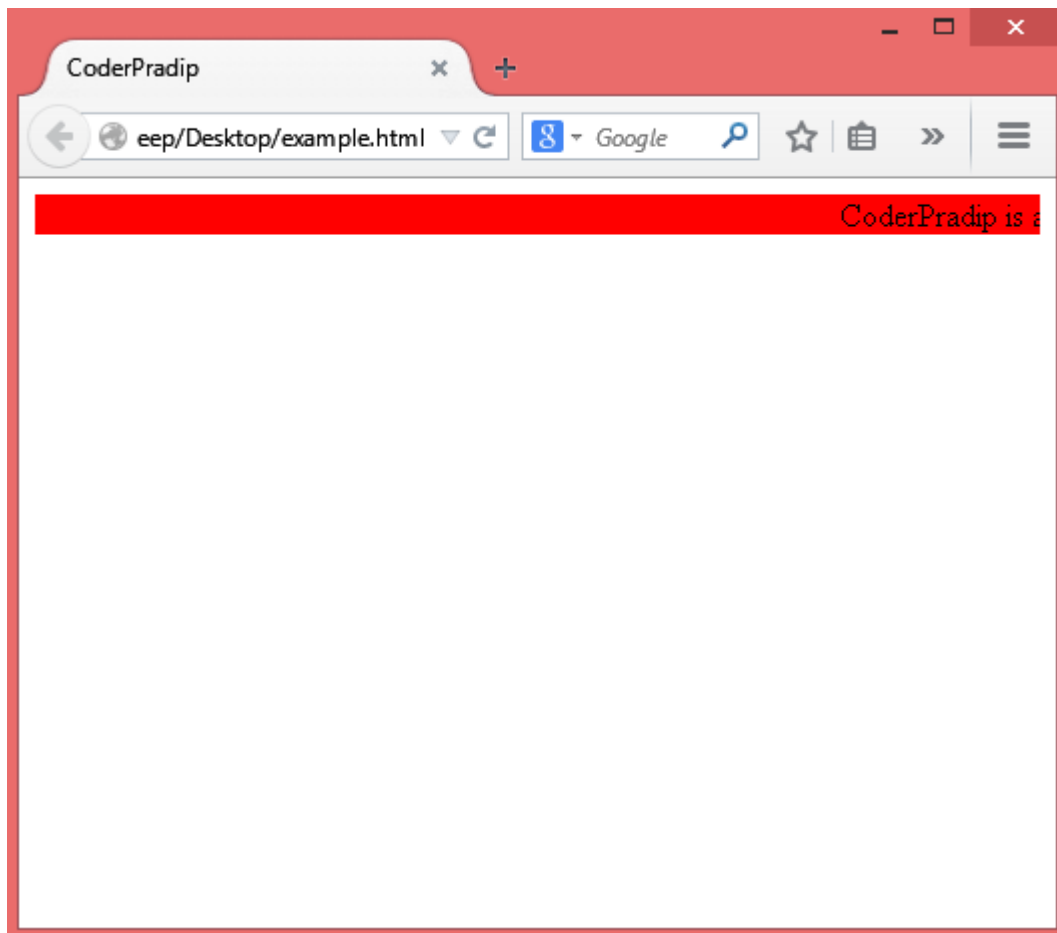
<marquee> tag is specifies scrolling text or document.

Attributes name	Values	Description
Behavior	Scroll/slide/alternative	Specifies the behavior of marquee.
Direction	Left/right/up/down	Specifies the direction of marquee.
Scrollamount	<i>speed</i>	Specifies the speed of the Marquee.
Bgcolor	<i>Color name/value</i>	Specifies the background color of marquee.

Example:

```
<marquee behavior="scroll" direction="left" scrollamount="5" bgcolor="Red">CoderPradip is a
```

Programmer</marquee>



HTML Form

Input Tag

<input> specifies an input field where user can enter data.

Attributes name	Values	description
type	Text Password Email Radio checkbox Button submit File Hidden Range url color date datetime-local search etc..	Specifies the type <input> element to display.
Value	<i>Your text</i>	Specifies the value of the input field.
Placeholder	<i>Your text</i>	Specifies the value if the input element is not focused.
Name	<i>Name</i>	Specifies the name of an <input> element.
Readonly	Readonly/ <i>no value</i>	Specifies that the input field is read only.
Required	Required/ <i>no value</i>	Specifies that the input field must be filled out.
Autofocus	Autofocus/ <i>no value</i>	Specifies that the input field must be focused automatically.
Checked	Checked/ <i>no value</i>	Specifies that the input element should be pre-selected(for 'radio' and 'checkbox')

Example:

```
<input type="text" placeholder="Name" required> <br>
```

```
<input type="email" value="@" autofocus> <br>
```

```
<input type="password" placeholder="Password"> <br>
```

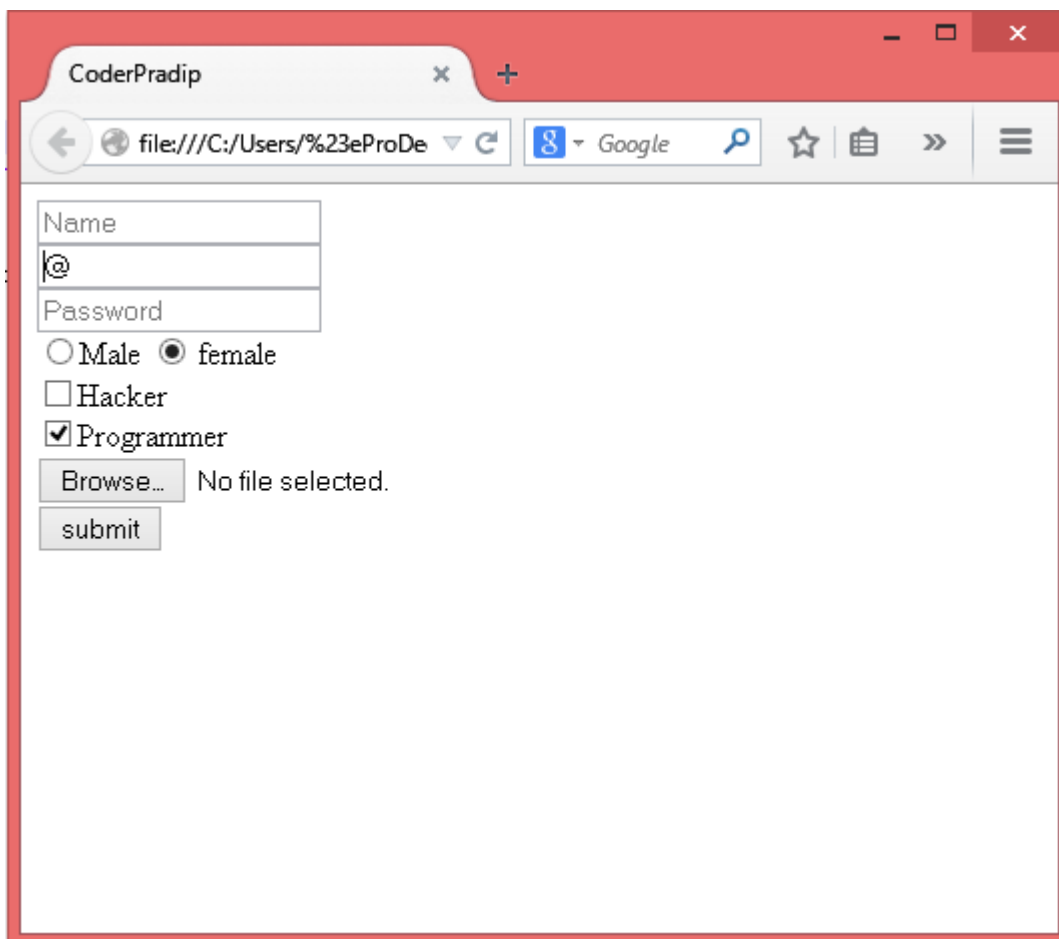
```
<input type="radio" name="gender">Male <input type="radio" name="gender"> female <br>
```

```
<input type="checkbox" name="ha">Hacker <br>
```

```
<input type="checkbox" name="pro">Programmer<br>
```

```
<input type="file"><br>
```

```
<input type="submit" value="submit">
```



Select Tag

<select> element is used to create a drop down list.

Attributes name	Values	Description
-----------------	--------	-------------

Multiple	Multiple/ <i>no value</i>	Specifies that multiple option can be selected.
Required	Required/ <i>no value</i>	Must be filled out.
Disable	Disable/ <i>no value</i>	Specifies that the drop down is disabled.
Autofocus	Autofocus/ <i>no value</i>	Specifies that the drop down list should be focused automatically.
Name	<i>name</i>	Defines a name.

Option Tag

There is <option> tag that is used with the <select> tag.

Attributes name	Values	Description
Disable	Disable/ <i>no value</i>	Specifies that the option is disabled.
Selected	Selected/ <i>no value</i>	Specifies that the option is pre-loaded.(chosen).
Value	<i>Your value</i>	Specifies the value.

Example:

```
<select>
```

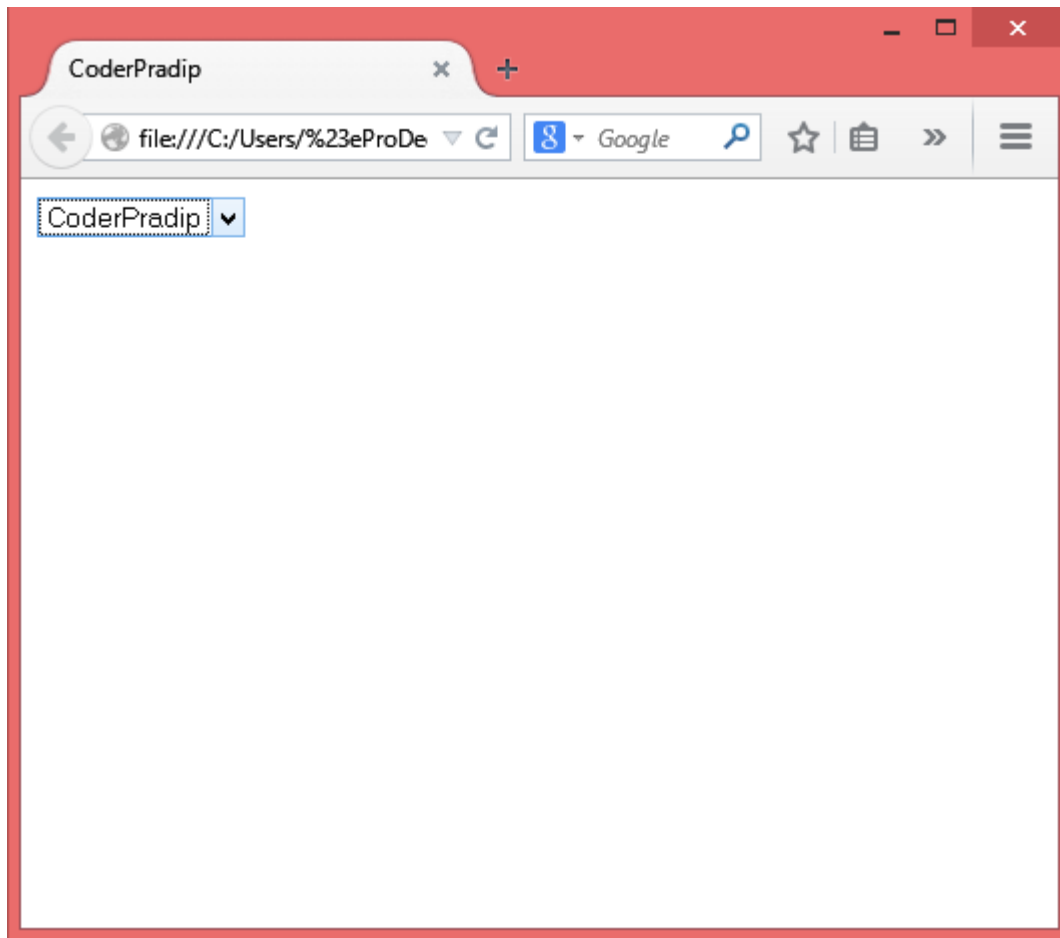
```
<option value="hacker">Hacker</option>
```

```
<option value="coderpradip" selected>CoderPradip</option>
```

```
<option value="doctor" disabled>Doctor</option>
```

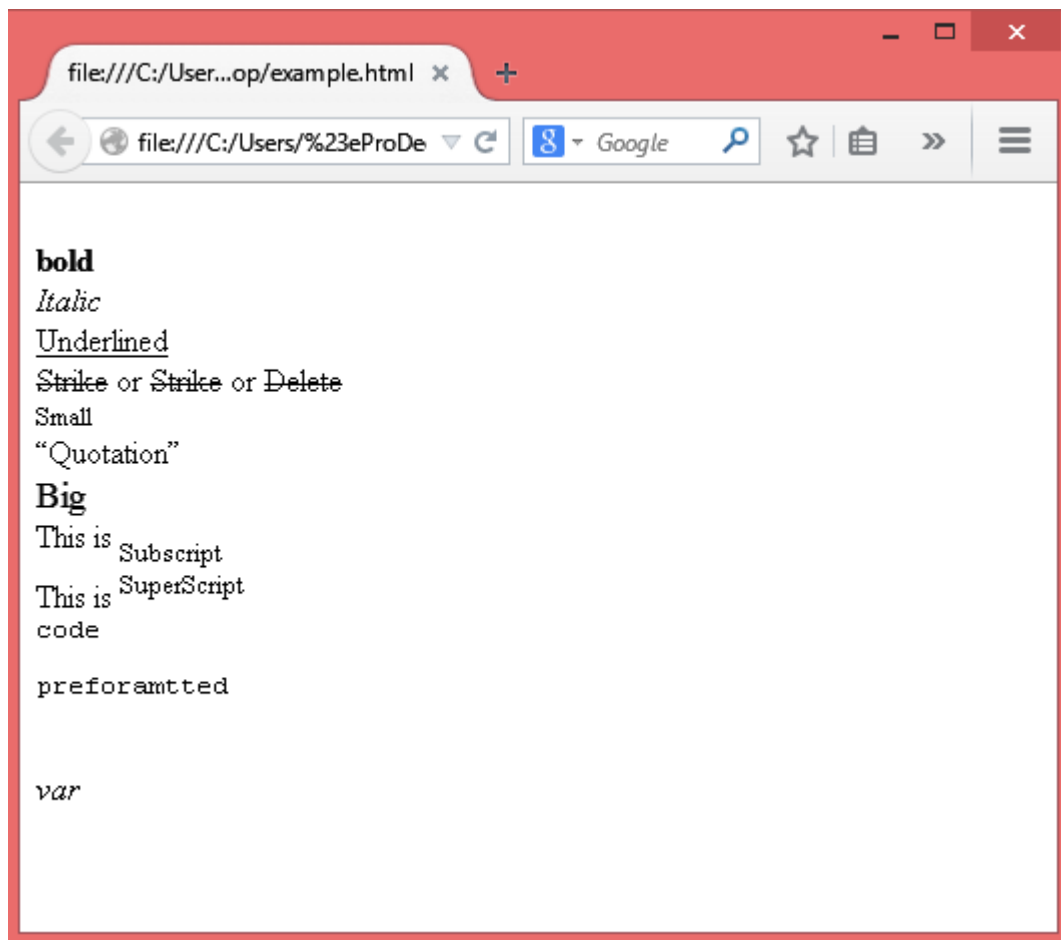
```
<option value="programmer">Programmer</option>
```

```
</select>
```



Text Formatting Tag

- ✓ `bold`
- ✓ `<i>Italic</i>`
- ✓ `<u>Underlined</u>`
- ✓ `<strike> Strike</strike>` or `<s>Strike</s>` or ` Delete`
- ✓ `<small> Small</small>`
- ✓ `<q>Quotation</q>`
- ✓ `<big>Big</big>`
- ✓ This is `_{Subscript}`
- ✓ This is `^{SuperScript}`
- ✓ `<code>code</code>`
- ✓ `<pre>Preformatted</pre>`
- ✓ `<var> Var</var>`



Example of a Form(with no style from CSS)

```
<!DOCTYPE html>

<html>

<head>

<title>CoderPradip</title>

<link href="coder.jpg" rel="icon">

</head>
```

```
<body bgcolor="grey">

<h1>Sign up Form</h1>

<hr>

<form>

<fieldset>

<label> First Name : </label> <input type="Text" placeholder="example: Coder" required> &nbsp;

<label> Last Name : </label> <input type="Text" placeholder="example: Pradip" required> <br>

<label>Email : </label> <input type="email" value="@ " size="50" required autofocus> <br>

<label>Password : </label> <input type="Password" Placeholder="New Password" required> <br>

<label>Confirm Password : </label> <input type="Password" Placeholder="Confirm Password"
required> <br>

<label>Gender : </label>

<input type="radio" name="gender" value="Male">Male

<input type="radio" name="gender" value="Female">Female <br>

<label>Skills : </label>

<input type="checkbox" value="programming" name="pro">Programming

<input type="checkbox" value="hacking" name="hack">Hacking <br>

<label>Choose Country : </label>

<select required>

<option>Nepal</option>

<option disabled>India</option>

<option>China</option>

<option>Pakistan</option>

</select> <br>
```


<label>Photo : </label> <input type="file">

<input type="submit" value="Submit Form"> <input type="reset">

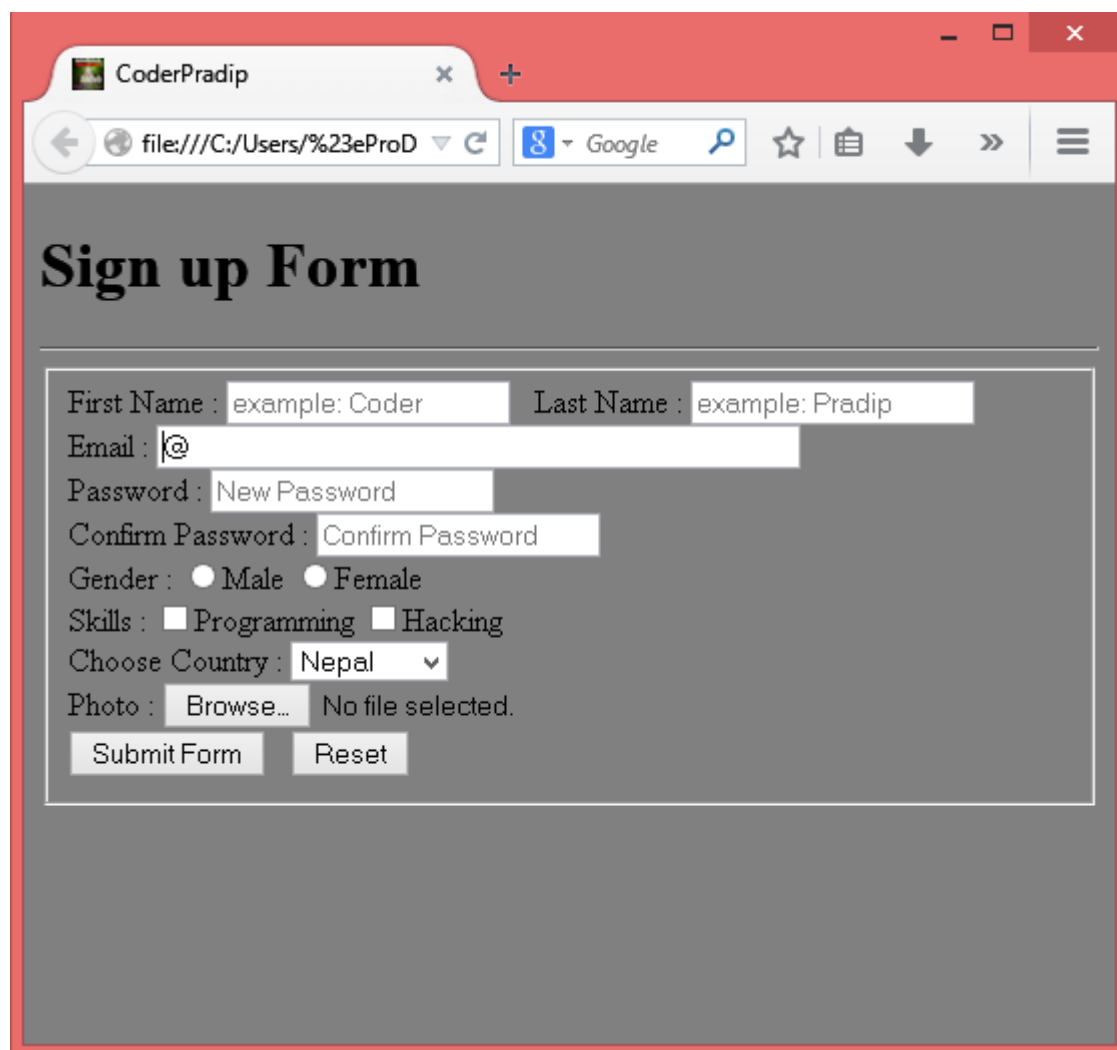
</fieldset>

</form>

</center>

</body>

</html>



The screenshot shows a web browser window with the title 'CoderPradip'. The address bar displays 'file:///C:/Users/%23eProD'. The page content features a 'Sign up Form' with the following elements:

- First Name :** example: Coder
- Last Name :** example: Pradip
- Email :** @
- Password :** New Password
- Confirm Password :** Confirm Password
- Gender :** ☐ Male ☐ Female
- Skills :** ☐ Programming ☐ Hacking
- Choose Country :** Nepal
- Photo :** Browse... No file selected.
- Buttons:** Submit Form, Reset

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