

HTML:

- HTML stands for HyperText Markup Language.
- HTML is used to create web pages and web applications.
- HTML is widely used language on the web.
- We can create a static website by HTML only.
- Technically, HTML is a Markup language rather than a programming language.
- All HTML tags must enclosed within < > these brackets.
- Every tag in HTML perform different tasks.
- If you have used an open tag <tag>, then you must use a close tag </tag> (except some tags)

Introduction of HTML Tags:

Header tag:

- The **HTML heading tag** is used to define the headings of a page.
- There are six levels of headings defined by HTML.
- These 6 heading elements are h1, h2, h3, h4, h5, and h6; with h1 being the highest level and h6 being the least.
 - <h1> is used for the main heading. (Biggest in size)
 - <h2> is used for subheadings, if there are further sections under the subheadings then the <h3> elements are used.
 - <h6> for the small heading (smallest one).

This is heading h1

This is heading h2

This is heading h3

This is heading h4

This is heading h5

This is heading h6

Anchor Tag:

- The **<a> tag (anchor tag)** in HTML is used to create a hyperlink on the webpage. This hyperlink is used to link the webpage to other web pages or some section of the same web page.
- It's either used to provide an absolute reference or a relative reference as its "href" value.

Syntax:

```
<a href = "link"> Link Name </a>
```



Forms Tag :

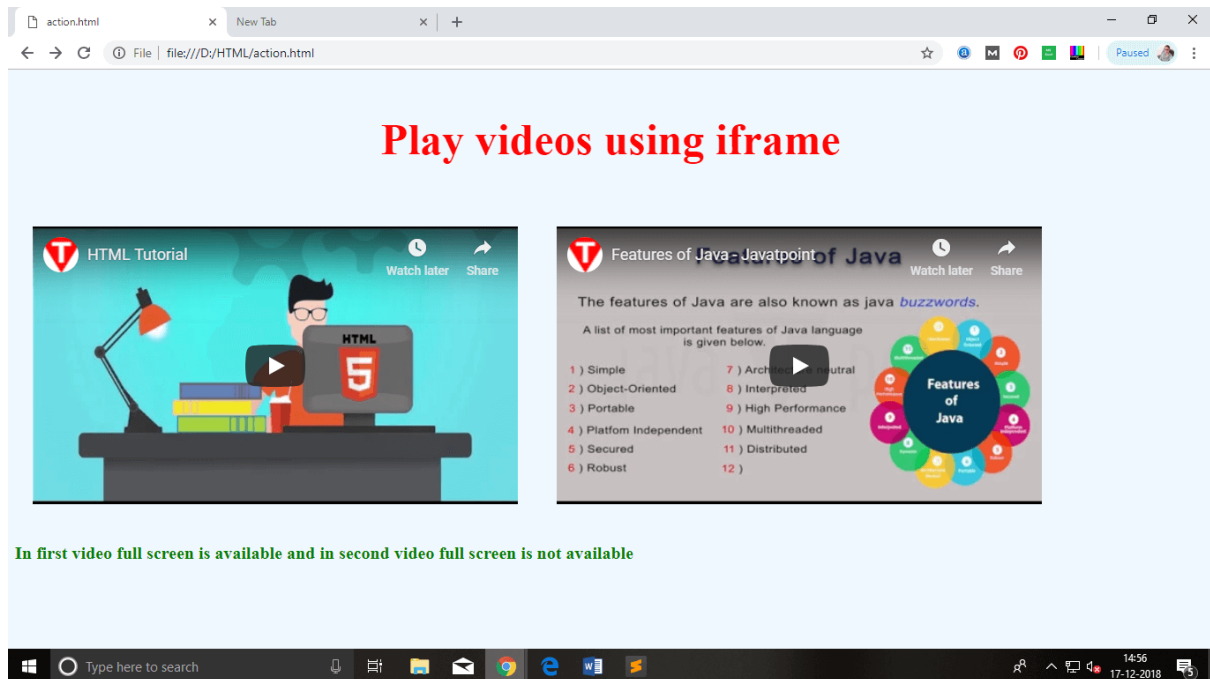
- `<form>` is an HTML element to collect input data containing interactive controls.
- It provides facilities to input text, numbers, values, email, password, and control fields such as checkboxes, radio buttons, submit buttons, etc.,
- Form is a container that contains input elements like text, email, number, radio buttons, checkboxes, submit buttons, etc. Facilitates user input collection through various elements.
- Utilizes `<form>` tags to structure input elements.
- Defines actions for data submission upon form completion.
- Supports client-side validation for enhanced user experience.

My feedback form

- Name:
- Email:
- Password:
- Please check all the emotions that apply to you:
 - Angry ☒
 - Sad ☐
 - Happy ☐
 - Ambivalent ☐
- How satisfied were you with our service?
 - Very satisfied ☒
 - Satisfied ☐
 - Didn't care ☐
 - Dissatisfied ☐
 - Very dissatisfied ☐
- Further comments:
- Bio photo:
- Location visited:
-

Iframes Tag:

- 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.



In first video full screen is available and in second video full screen is not available

Images Tag:

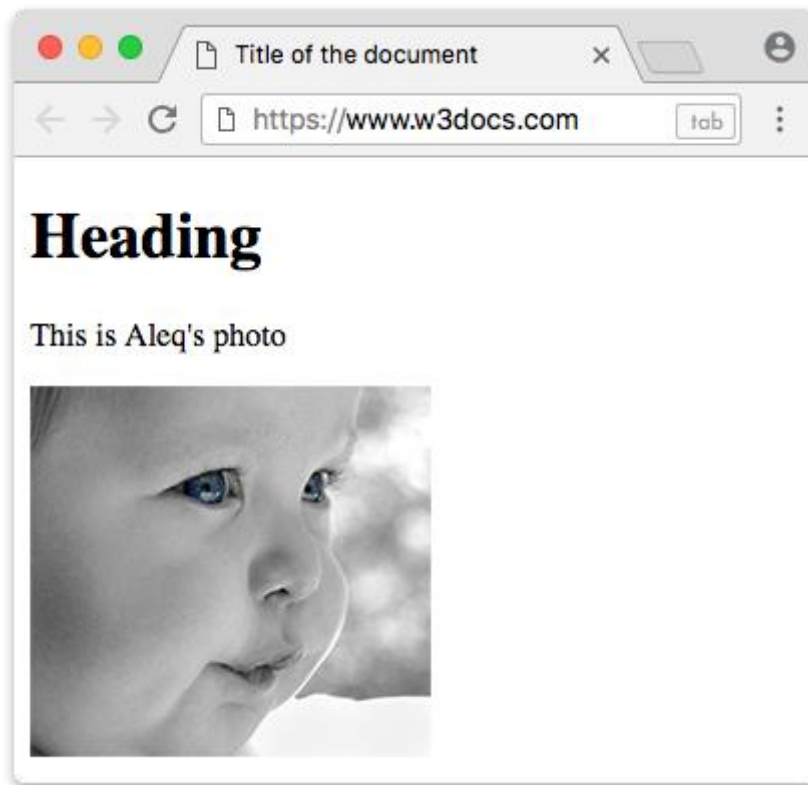
- The HTML `` tag is used to add images inside the webpage/website.

Syntax:

```
<img src="" alt="" width="" height="">
```

- src – It specifies the path to the image

- alt – It specifies an alternate text for the image if the image for any reason cannot be displayed on the webpage.



Lists Tag:

- HTML Lists are used to specify lists of information.
- All lists may contain one or more list elements.
- We use the HTML ordered list to define a list where the sequence or order of the list items is important. We can use the HTML ordered list for recipes, algorithms, top ten lists, and so on.
- We use the HTML unordered list to define a list where the sequence or order of the list items doesn't matter. We can use an unordered list for keeping track of groceries, supplies and random objects.
- We use the HTML description list to create a list where list items include terms and descriptions of the term.



- | | | |
|-------------|-------------|-------------------------|
| • List item | 1. 1st item | List item title |
| • List item | 2. 2nd item | - list item description |
| • List item | 3. 3rd item | List item title |
| • List item | 4. 4th item | - list item description |
| | | List item title |
| | | - list item description |

HTML List Tags

Ordered List, Unordered List, Definition List

```
<ol type="i">
  <li>Drinks</li>
  <ul>
    <li>Cold drinks</li>
    <li>Hot drinks</li>
  </ul>
  <li>Food</li>
  <li>Dinner</li>
</ol>
<ul type="square">
  <li>Days</li>
  <li>Month</li>
  <li>Seasons</li>
</ul>
<dl>
  <dt>Computer</dt>
  <dd>It is an electronic device. It accepts raw data as input, processes the returns the final result as output.
  </dd>
  <dt>Mouse</dt>
  <dd>It is a pointing device. When you scroll the mouse on the surface pointer moves on the screen.</dd>
</dl>
```

- i. Drinks
 - Cold drinks
 - Hot drinks

- iii. Food
- iv. Dinner

- Days
- Month
- Seasons

Computer

It is an electronic device. It accepts raw data as input, processes the returns the final result as output.

Mouse

It is a pointing device. When you scroll the mouse on the surface pointer moves on the screen.

Paragraph Tags:

- The `<p>` tag in HTML defines a paragraph. These have both opening and closing tags.
- Anything mentioned within `<p>` and `</p>` is treated as a paragraph.
- A paragraph is a block-level element so a new paragraph always begins on a new line, and browsers naturally put some space before and after a paragraph to make it look neat and easy to read.

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

<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>

</body>
</html>
```

Welcome to DataFlair!

About Us

We continuously work hard to bring you the best trainers to enable your smooth learning at your home as per your convenience. This is the reason why most of the DataFlair students get placed in top MNCs in Big Data just after the training. DataFlair team comprises of trainers who are experts in their relevant technologies and are selected after many rounds of interviews, content team that continuously works hard to provide quality content to the readers, Marketing team that work hand in hand with other teams to make the content reaches the right audience and HR team that work to extend the team and to provide a healthy work environment.

Vision

To provide the best training in latest cutting edge technologies across the globe and help learners curve their career.

Table Tags:

- The <table> tag defines an HTML table.
- An HTML table consists of one <table> element and one or more <tr>, <th>, and <td> elements.
- The <tr> element defines a table row, the <th> element defines a table header, and the <td> element defines a table cell.

Ex:

```
<table border="1" >

<tr>

<th>Name</th>

<th>Age</th>

<th>Country</th>

</tr>

<tr>

<td>Harry Depp</td>

<td>28</td>

<td>Britain</td>

</tr>

<tr>

<td>John Smith</td>

<td>35</td>

<td>USA</td>

</tr>

<tr>

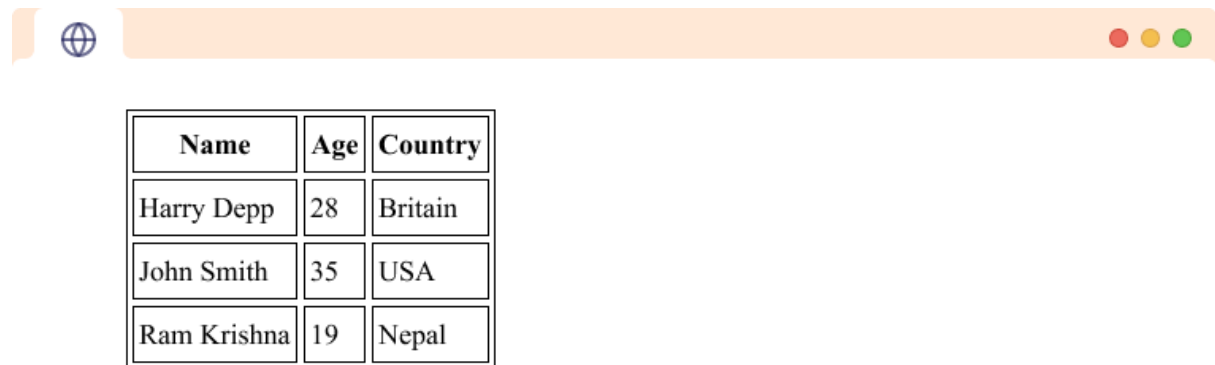
<td>Ram Krishna</td>

<td>19</td>

<td>Nepal</td>
```

</tr>

</table>



Name	Age	Country
Harry Depp	28	Britain
John Smith	35	USA
Ram Krishna	19	Nepal

Templet Tags:

- The <template> tag is used as a container to hold some HTML content hidden from the user when the page loads.
- HTML templates are pre-built template design that includes HTML pages, integrated images, and text.
- Having a template, you can easily upload the text, fonts, and images into the pre-built design, and then these templates upload it to a web hosting account to view the website on the server.

GeeksforGeeks

HTML template tag

Click the button to get the content from a template, and display it in the web page.

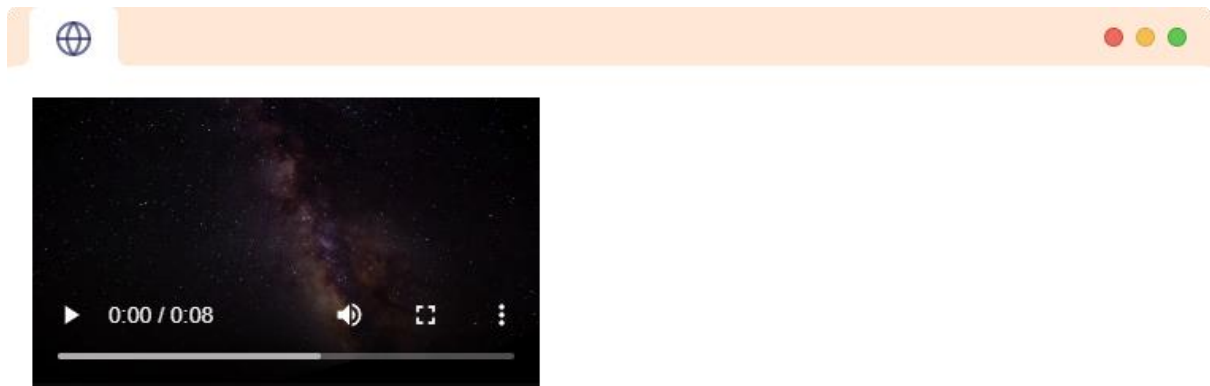
Show content

Videos Tag:

- The HTML `<video>` tag is used to embed a media player which supports video playback into the HTML page.
- We use the HTML `<video>` tag and the `<source>` tag to show the video.

EX:

```
<video width="320" height="190" controls>  
  <source src="video.mp4" type="video/mp4">  
</video>
```



Youtube Video Gallery:

The easiest way to play videos in HTML, is to use YouTube.

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 (see below)

EX:

```
<!DOCTYPE html>
<html lang="en">

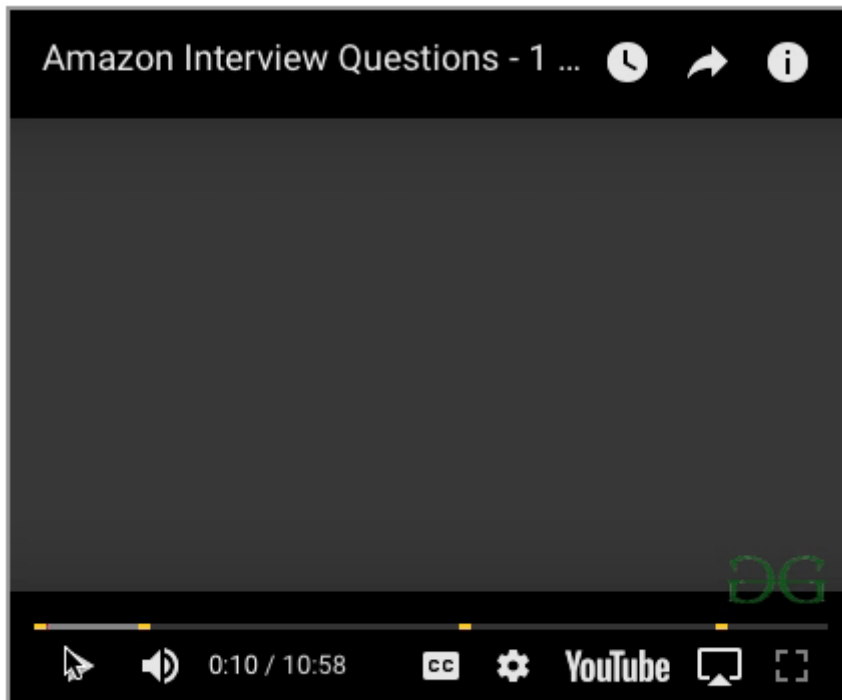
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
        content="width=device-width, initial-scale=1.0">
  <title>Adding Youtube Video</title>
</head>

<body>

  <iframe height="480" width="500"
        src="https://www.youtube.com/embed/il_t1WVLNvk">
  </iframe>

</body>

</html>
```



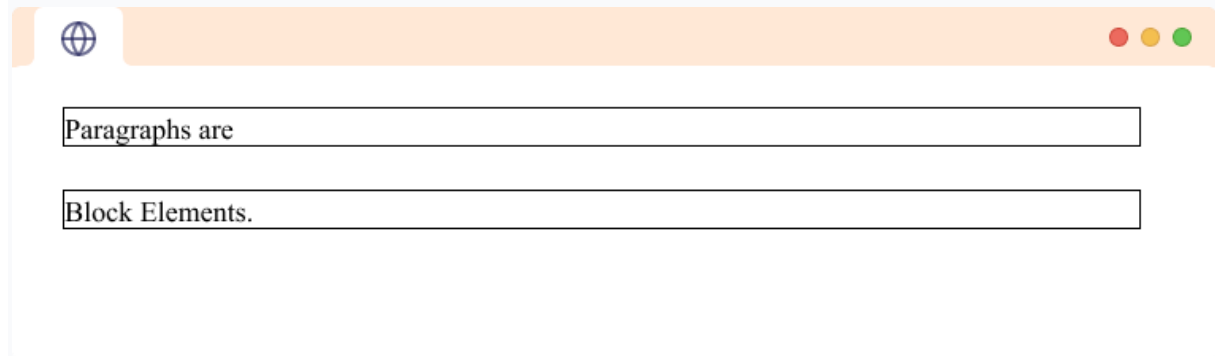
Black and Inline:

HTML elements can be broadly categorized into one of two categories:

- Inline Elements: ``, `<a>`, ``, `` etc.
- Block Elements: `<p>`, `<div>`, `<h1>`, `<figure>` etc.

EX:

`<p style="border: 1px solid black">Paragraphs are</p> <p style="border: 1px solid black">Block Elements.</p>`



`<p> The following spans will be inline; Span 1 and Span 2.</p>`

