

Q1.Heading tags in html and why <h1> tag is used only one time on a page?

Ans: There are six types of heading tags available in HTML:

<h1></h1>

<h2></h2>

<h3></h3>

<h4></h4>

<h5></h5>

<h6></h6>

<h1> tag is used only one time in a page because <h1> is used for main heading and main heading can not repeatable.

If we repeat main heading in a page it creates a problem for search engine to understand your page.

For example: in a notebook if we write main heading 2 or more times in a page then the other person can not understand what the topic is written in a notebook.

Q2. Formatting tags in HTML?

Ans: Formatting tags in HTML:

1. bold
2. italic
3. superscript
4. subscript
5. strike

1. bold: to make text bold there are two tags available in html:

: It is used to make text bold which is not important or not a searchable word.

Example: `<p>Regular Class</p>`

: it is used to make text bold which is important and a searchable work. Digital marketing executive uses strong tag to highlight targeted keywords.

Example: `<p>Best Online Web Development Training Institute </p>`

2. italic: to make text italic there are two tags available in html:

<i></i>: It is used to make text italic which is not important or not a searchable word.

Example: `<p><i>Regular Class</i></p>`

: It is used to make text italic which is important or a searchable word.

Example: `<p>Best Web Development Institute in Rohini</p>`

3. superscript: `` tag is used to make text superscript.

Example: `<p>10th</p>`

4. subscript: `` tag is used to make text subscript.

Example: `<p>CO₂</p>`

5. strike: `<strike></strike>` tag is used to make text striked. It is generally used in ecommerce website to show regular and sale price.

Example: `<p>Rs 2000 <strike>4000</strike></p>`

Q3. Difference between tag and tag?

Ans: There are two tags available in HTML and tag to make text bold, mostly beginners got confused in these two tags because it produce same output. Design point of view there is no difference between them but digital marketing point of view there is difference see the difference below:

: It is used to make text bold which is not important or not a searchable word.

Example: <p>Regular Class</p>

: it is used to make text bold which is important and a searchable work. Digital marketing executive uses strong tag to highlight targeted keywords.

Example: <p>Best Online Web Development Training Institute</p>

Q4. Use of alt attribute in tag?

Ans: alt attribute in a image tag is very important for search engines and for blind people who uses screen reader to read text.

Search engine cannot read our media files such as images, audio and video, so in a digital marketing we use alt attribute in a image tag to make understand search engines for better results. Mostly digital marketing executive uses searchable keywords in alt attribute.

Alt is also helpful for blind people who uses screen reader to read text.

Q5. Links in HTML , Types of links and Use of target="_blank" attribute?

Ans: Links in HTML is used to link website pages such as homepage, about page contact page connect together.

In a HTML <a> tag is used to link pages.

Example:

```
<a href="about.html">About us</a>
```

href: is called hyper reference here we put the name of page which we want to link.

We can use link by the following:

1. text link: when we give link on a text is called text link.

Example:

```
<a href="about.html">About us</a>
```

2. image link: when we use link on image is called image link.

Example:

```
<a href="contact.html"></a>
```

3. email link: when we use link on email is called email link.

Example:

```
<a href="mailto:info@the-digital-oceans.com">info@the-digital-oceans.com</a>
```

4. phone link: When we use link on phone number is called phone link.

Example:

```
<a href="tel: 9988776655">9988776655</a>
```

Types of links

There are two types of links available in HTML:

1. **internal link**
2. **external link**

Internal link: Internal link means when we connect our website pages together such as home page, about page, contact page etc.

External link: External link means when we connect any outside link such as social media link our facebook page link on a website, or partner website link that is called external link.

Use of target="_blank" attribute

Target _blank is used to open a page on a new tab.

Q6. How to embed Google Map on contact page?

Ans: There are some steps to use google map on a webpage:

1. Go to google map link
2. Search address whatever location you want to use
3. Click on share link
4. Click on embed link
5. Copy iframe code
6. Paste in your html page.

Q7. How to embed YouTube Video on Webpage?

Ans: There are some steps to use youtube video on a webpage:

1. Go to youtube link
2. Search video whatever you want to use
3. Click on share link
4. Click on embed
5. Copy iframe code
6. Paste in you html page

Q8. How to link css file?

Ans: To link css file in a html page there is following syntax:

```
<link rel="stylesheet" href="foldername/filename">
```

Example:

```
<link rel="stylesheet" href="css/style.css">
```

Q9. Span tag in HTML?

Ans: tag is used to edit a part of an element like change a color of single word.

Example:

```
<h1>Web <span style="red">Development</span></h1>
```

Here in this example I have used inline css; you can use internal or external css whatever you want by using class or id.

Q10. New form inputs and validation in HTML ?

Ans: HTML5 introduce some of the following new inputs:

`<input type="color">`

`<input type="date">`

`<input type="time">`

`<input type="url">`

`<input type="number">`

Validation in HTML:

required: Required attribute to make input required.

min: it is used in number input to set minimum value.

max: It is used in number input to set maximum value.

maxlength: It is used to set maximum length of text.

Q11. Semantic Tags in HTML5?

Ans: Semantic tags is useful for designer and for browser to understand website code easily. Actually before HTML5 designer uses non semantic tag <div> to create design but it is not understandable after a long time for designer because it does not make any sense.

So HTML5 introduced Semantic elements to make sense or give a proper meaning to design. There are commonly used semantic tags following:

<header>

<section>

<nav>

<footer>

<aside>

Q12. HTML5 Features?

Ans: HTML5 Features are following:

Drag & drop: This feature is used to make element draggable and dropable. It is used in advanced UI. Example : wix.com, vistaprint.com

Local storage: This feature is used to save user data in browser like cache. It is used in web application and ecommerce websites.

Geolocation: This feature is used to find current location or any thing which is related to location such as show location on map, search location on dropdown etc. It is used in many websites like olacabs, swiggy, zomato etc.

New form inputs and validation: HTML5 introduced new form inputs like color input, url input, date input and validation like required, maxlength, min, max.

Canvas & SVG: Canvas is used to draw something, it is used to draw a shape like curve shape or any other shape whatever you want.

SVG: SVG stands for scaleable vector graphics it is an extension of an image like .jpg,.png. if we use .svg image then it will not pixlate if we zoom image on large scale and it is editable also in coding , we can easily edit svg image in code.

Semantic Tags: Semantic tags give proper meaning to the designer and browser, some of the semantic tags are following:

<header>,<footer>,<section>,<aside>

Q13. Advantage of SVG in HTML?

Ans: SVG stands for scalable vector graphics, it is an extension of an image like .jpg, .png, if we use image in .svg format it will not pixlate if we zoom, google recommends to use svg format image. It is editable also we can easily edit svg image in code.

SVG image is created by using Adobe illustrator software.

Q14. How to use favicon in HTML?

Ans: favicon is a symbol which is located near the title, lets see how we can use in a website:

```
<link href="foldername/filename" rel="shortcut icon"  
      type="image/png">
```

Example:

```
<link href="images/favicon.png" rel="shortcut icon"  
      type="image/png">
```

To use favicon in a website you should keep in mind the size of favicon should be less than 50px.

Q15. Audio and Video tag in HTML5?

Ans: To embed audio or video in a website HTML5 provide audio and video tag:

To embed audio:

```
<audio controls>
```

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

```
</audio>
```

To embed video:

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

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

```
</video>
```

Q16. How to use copyright symbol in HTML?

Ans: To use copyright symbol we use html entities, html entities is nothing it is just a code to represent symbol.

<p> © 2022. Web development Institute</p>

Q17. What is an image map?

Ans: Image map in html is used to give hyperlink on specified area of an image, it is very useful feature for designers, it requires a little bit knowledge of math to find coordinates and radius of a circle.

Image map has 3 shapes

Circle

Polygon

Rectangle

Example:

```

```

```
<map name="workmap">
```

```
<area shape="rect" coords="300,103,710,545" alt="Computer" href="https://www.apple.com/in/macbook-pro/" target="_blank">
```

```
<area shape="rect" coords="720,337,800,434" alt="Phone" href="https://www.apple.com/in/shop/buy-iphone/iphone-13" target="_blank">
```

```
<area shape="circle" coords="854,445,44" alt="Coffee" href="https://www.cafecoffeeday.com/cafe-menu/whats-new" target="_blank">
```

```
<area shape="rect" coords="0,382,255,500" alt="notebook" href="https://www.cafecoffeeday.com/cafe-menu/whats-new" target="_blank">
```

```
</map>
```

Q18. Use of table tag in HTML?

Ans: table tag is used in the following:

It is used to represent data in tabular format, it is mostly used in web applications.

It is used to design a newsletter or email template for email marketing.

It is used to design a printable design like invoice design, prescription design etc whatever have to be print.