

# HTML

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- HTML – Hyper Text Mark up Language used to create structure of the webpage.
- Tag – Tag is used to create an element, attribute or text within an Html document.
- <!DOCTYPE> - Defines the document type.
- <html> - Defines the root element of an HTML document.
- <head> - Contains meta information about the document.
- <title> - Defines the title of the document.
- <body> - Contains the visible content of the document.
- <h1>, <h2>, <h3>, <h4>, <h5>, <h6> - Defines headings of different sizes.
- <p> - Defines a paragraph.
- <a> - Defines a hyperlink. (href – Hypertext Reference to specify URL or resource link) (target=“\_blank”)
- <b> - Defines bold text in HTML.
- <i> - Defines italic text in HTML.
- <!-- --> - Defines a comment in HTML. Browser ignores the comments.
- <strong> - Defines strong emphasis (bold) in HTML.
- <em> - Defines emphasized text (italic) in HTML.
- <img> - Defines an image.(src-resource path,alt-alternative text,width,height). It is void element (no end tag)
- <ul> - Defines an unordered list. (type – disc,square,circle)
- <ol> - Defines an ordered list. (type – 1,A,a,I,i)
- <li> - Defines a list item.
- <div> - Defines a section of the document. (class – identifier(start with .),id – unique identifier(start with #))
- <span> - Divide the content into blocks.
- <table> - Defines a table. It has <thead>, <tbody>, <tfoot> three sections.
- <tr> - Defines a table row.
- <th> - Defines a table header cell.
- <td> - Defines a table data cell. (colspan - combine columns, rowspan – combine rows)
- <form> - Defines a form for user input. (action–location to send data,method–Html request(post, get))
- <input> - Defines an input field.(type-text,password,number,range,checkbox,radio,submit,reset),value,name required,min,max,minlength,maxlength,pattern which are all for form validations used in input tag.
- <button> - Defines a clickable button.(type-submit,reset),value,name.
- <select> - Defines a drop-down list. (name – specify the name of the dropdown lists)
- <option> - Defines an option in a drop-down list. (value – specify the value of the option)
- <textarea> - Defines a multi-line input field. (rows, cols – specify the no. of rows and columns of textarea)
- <label> - Defines a label for an input element. (for – specify which input element label is associated with)
- <br> - Inserts a single line break.
- <hr> - Inserts a horizontal rule.
- <style> - Defines CSS styles for the document. (place the css code at the head tag)
- <script> - Defines a script for the document. (place the java script code at the bottom in body tag)
- Semantic HTML – Provide the content with meaning manner in webpage with using correct elements.
- <header> and <nav> - Defines the title of webpage and navigation bar to direct the user to other pages.
- <main> and <footer> - Define the main content of a page.content & define the footer section of a webpage.
- <article> and <section> -Define the article(blogs,paragraphs) & group related content together in a webpage.
- <aside> - Defines content that is not directly related to the main content of a webpage.
- <figure> - Groups together a single piece of content, such as an image or diagram, along with its caption.
- <figcaption> - Define the caption for the figure element which provides information about the figure.
- <audio> - Used to embed the audio content such as music into a webpage. (autoplay controls )
- <source> - Specify the alternative media sources for the audio tag with src, type(audio/mp3)
- <video> - Used to embed the video content into a webpage. (controls – give the controls of the video player)