HTML

* Hyper Text Markup Language
* <!DOCTYPE html> Defines that it is a HTML file
* <Head> Has information about other files
* Html> html file starts and ends with html tag
* Body> The visible part of html

Properties

* Heading= h1 to h6
* <p>
* <a> are links and location is specified by href
* <img>
* Attributes provide information about an element
* **E.g ‘href’** in <a> and src(source) in img
* Width and height are also attributes
* <alt> is also an attribute in img etc
* <style> is also an attribute.
* <hr> (horizontal rules) and <br> are line breaks
* <pre> display data as written between the two tags
* <b> - Bold text
* <strong> - Important text
* <i> - Italic text
* <mark> - Marked text https://www.w3schools.com/html/tryit.asp?filename=tryhtml\_formatting\_mark
* <small> - Smaller text
* <ins> - Inserted text
* <sub> - Subscript text
* <sup> - Superscript text
* <blockquote> tells that this is text or anything is taken from another website
* <abbr> abbrivates text-<abbr title="World Health Organization">WHO</abbr>
* <address> tells this about someone like author etc
* comment tags
* **\_Target options:**
* \_self - Default. Opens the document in the same window/tab as it was clicked
* \_blank - Opens the document in a new window or tab
* \_parent - Opens the document in the parent frame
* \_top - Opens the document in the full body of the window
* Absolute liks are those which have a web address or www in them, relative links does not have www and are usually document file.
* img and button can also be used as a link
* a can be used to send email : <a href="mailto:someone@example.com">Send email</a>
* img map allows you to click certain places in an img to open different links
* favicon
* Title
* Table and table borders
* columnspan and rowspan- occupies more than 1 column or row according to its value
* ul ,ol and li
* block and inline elements
* class and id
* Iframe-It used to display a website within a website.
* File paths- Absolute (path in an online website like w3shools/html/heading) and relative(in a pc like desktop/css/project/image).
* **Layout:**
* <header> - Defines a header for a document or a section
* <nav> - Defines a set of navigation links
* <section> - Defines a section in a document
* <article> - Defines an independent, self-contained content
* <aside> - Defines content aside from the content (like a sidebar)
* <footer> - Defines a footer for a document or a section
* <details> - Defines additional details that the user can open and close on demand
* <summary> - Defines a heading for the <details> element
* **Responsive:**
* max-width and min widh
* media queries- They are used to make responsive websites like it help you displays thing horzontally on wider screens and vertically on small screens.
* semantic and non sematic tags- semantic are those with a meaning like header, table, nav etc but non semactic do not have a meaning like span and div etc.
* use character entites like instead of writing <, you should add its code like &lt;
* **Form:**

|  |  |
| --- | --- |
| <input type="text"> | Displays a single-line text input field |
| <input type="radio"> | Displays a radio button (for selecting one of many choices) |
| <input type="checkbox"> | Displays a checkbox (for selecting zero or more of many choices) |
| <input type="submit"> | Displays a submit button (for submitting the form) |
| <input type="button"> | Displays a clickable button |

* \_self - Default. Opens the document in the same window/tab as it was clicked
* \_blank - Opens the document in a new window or tab
* \_parent - Opens the document in the parent frame
* \_top - Opens the document in the full body of the window
* canvas and svg(scaleable vector graphics)- Javascript required
* **Html Media:**
* video
* audio
* youtube
* plugins(To run Java applets, To run Microsoft ActiveX controls ,To display Flash movies, To display maps, To scan for viruses, To verify a bank id)