**HTML** stands for HyperText Markup Language. It is used to design web pages using a markup language. HTML is a combination of Hypertext and Markup language. Hypertext defines the link between web pages. A markup language is used to define the text document within the tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages (e.g. HTML) are human-readable. The language uses tags to define what manipulation has to be done on the text.

HTML is a markup language used by the browser to manipulate text, images, and other content, in order to display it in the required format. HTML was created by Tim Berners-Lee in 1991. The first-ever version of HTML was HTML 1.0, but the first standard version was HTML 2.0, published in 1995.

**Elements and Tags:** HTML uses predefined [tags](https://www.geeksforgeeks.org/html-html-tag/#:~:text=The%20tag%20in%20HTML,DOCTYPE%3E%20tag.) and [elements](https://www.geeksforgeeks.org/html-elements/) which tell the browser how to properly display the content. Remember to include closing tags. If omitted, the browser applies the effect of the opening tag until the end of the page. https://www.geeksforgeeks.org/html-introduction/

Features of html

* Easy to learn and use: HTML is a very simple language to learn. The basic syntax is to use tags to surround the content that you want to format. For example, the following code would create a heading:
* Platform-independent: HTML is a standard language and is supported by all web browsers and platforms. This means that your web pages will look the same regardless of the browser or device that is used to view them.
* Media support: HTML can be used to display a variety of media, including images, videos, and audio. This makes it a powerful tool for creating multimedia web pages.
* Search engine optimization (SEO): HTML can be used to optimize your web pages for search engines. This means that your pages will be more likely to appear high in search results, which can help you attract more visitors.
* Extensibility: HTML is an extensible language. This means that you can add new features and functionality to HTML by using extensions. Extensions are created by the web community and are supported by most web browsers.

Advantages of html

* Search engine optimization (SEO): HTML can be used to optimize your web pages for search engines. This means that your pages will be more likely to appear high in search results, which can help you attract more visitors.
* Open-source: HTML is an open-source language, which means that it is freely available to anyone who wants to use it. This makes it a very accessible language for web developers. Free: HTML is a free language, which means that you do not need to pay any licensing fees to use it. This makes it a very affordable option for web developers.
* Lightweight: HTML is a lightweight language, which means that it is very easy to load and parse by web browsers. This makes it a good choice for creating web pages that load quickly.

Flexible: HTML is a flexible language, which means that it can be used to create a wide variety of web pages. This makes it a versatile tool for web developers.

* Future-proof: HTML is a future-proof language, which means that it is likely to be supported by web browsers for many years to come. This makes it a good investment for web developers.

Disadvantages of html

* Static: HTML is a static language, which means that it cannot be used to create dynamic web pages. This means that you cannot use HTML to create web pages that change or interact with the user.
* Limited styling: HTML has limited styling capabilities. This means that you cannot use HTML to create web pages with complex or sophisticated styling.
* Security: HTML is not a secure language. This means that you cannot use HTML to protect your web pages from malicious attacks.
* Complexity: HTML can be complex to learn and use. This is especially true for complex web pages that require a lot of formatting.
* Lack of interactivity: HTML is not a very interactive language. This means that you cannot use HTML to create web pages that interact with the user in a meaningful way.