HTML

1. <!DOCTYPE>

* First thing in HTML
* instruction about the version of the html the page is written in
* For HTML5 only <!DOCTYPE HTML> is used

1. <head> # </head>

* include <title>, <script>, <style>, <base>, <link>, <meta>, <noscript>
  1. <title> # </title>
* defines a title in the browser toolbar
* provides a title for the page when it is added to favourites
* displays a title for the page in search-engine results
* can only have 1 title
  1. <script> # </script>
* used to define a client-side script (JavaScript)
* contains scripting statements, or points to an external script
* attributes: async, charset, defer, src, type
  + 1. async – specifies that the script is executed asynchronously (only for external scripts)

=”async”

* + 1. charset – specifies the character encoding used in an external script file

=”charset” (charset: utf-8, )

* + 1. defer – specifires that the script is executed when the page has finished parsing (only for external scripts)

=”defer”

* + 1. src – specifies the URL of an external script file

=”*URL*”

* + 1. type – specifies the media type of the script

=”*media\_type*” (default value is “application/javascript”, no longer need type attribute for HTML5)

* 1. <style> # </style>
* used to define style information for an HTML document
  1. <base>
* specifies the base URL/target for all relative URLs in a document
* only have 1 element in a document
  1. <link>
* defines a link between a document and an external resource
* used to link external style sheets
* attributes: crossorigin, href, hreflang, media, rel, sizes, type
  + 1. crossorigin – specifies how the element handles cross-origin requests

=”anonymous” – A cross-origin request (Origin: HTTP header) is performed, but no crediential is sent (no cookies, no HTTP)

=”use-credentials” – A cross-origin request is performed with credential is sent.

* + 1. href – specifies the location of the linked document

=“*URL”*

* + 1. hreflang – specifies the languages of the text in the linked document

=”*language\_code”* – a two-letter language code that specifies the language of the linked document

* + 1. media – specifies on what device the linked document will be displayed

=”*media­­\_query”*

* + 1. rel – required. specifies the relationship between the current document and the linked document
    2. sizes – specifies the size of the linked resource. Only for rel=”icon”
    3. type – specifies the media type of the linked document
  1. <meta>
* provides metadata about the HTML document
* used to specify page description, keywords, author of the document, last modified, and other metadata
* can be used by browsers (how to display content or reload page), search engines (keywords), or other web services
* a method to let web designers take control over the viewport (the user’s visible area of a web page)
* metadata is always passed as name/value pairs
  + 1. charset – specifies the character encoding for the HTML document

=”*character\_set”* – UTF-8, etc

* + 1. content – gives the value assosciated with the http-equiv or name attribute

=”*text”*

* + 1. http-equiv – provides an HTTP header for the information/value of the content attribute

=”content-type” – specifies the character encoding for the document

=”default-style” – specified the preferred style sheet to use

=”refresh” – defines a time interval for the document to refresh itself

* + 1. name – specifies a name for the metadata

=”application-name” – specifies the name of the Web application that the page represents

=”author” – specifies the name of the author of the document

=”description” – specifies a description of the page. search engines can pick up this description to show with the results of searches

=”generator” – specifies one of the software packages used to generate the document

=”keywords” - specifies a comma-separated list of keywords – relevant to the page

=”viewport” – controls the viewport (the user’s visible area of a web page)

* 1. <noscript>
* defines an alternate content for users that have disabled scripts in their browser or have a browser that does not support script
* can be used in both <head> and <body>

1. <body> # </body>
   1. <header> # </header>

* represents a container for introductory content or a set of navigational links
* one or more heading elements
* logo or icon
* authorship information