HTML stands for Hyper Text Mark-up Language

Used for: creating web pages (https://en.wikipedia.org/wiki/Web_page) (documents) that are displayed on the World Wide Web (https://en.wikipedia.org/wiki/World_Wide_Web) (websites). The pages can be a mix of text, images, videos, and other elements. It can be created with: notepad, TextPad or any text editors.

Saved as: .html files

HTML Cheat Sheet

Here we are sharing with you the complete HTML Cheat Sheet:

Basic structure

```
<!DOCTYPE html>
<html>
 <head>
 <title></title>
 </head>
 <body>
 body tags and main content
 </body>
</html>
```

The main elements in HTML are the tags. Tags structure and present the data in different forms.

Heading

```
<h1>Heading 1</h1>
<h2>Heading 2 </h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6 </h6>
```

Paragraph

```
<p>write a paragraph</p>
Attribute 'style' can be used with <p> to display the text inside <p> in a specific manner. For example,
<p style = "color:blue">I will appear blue</p>
<p style = "background-color:blue">Highlighting as blue</p>
<br> line break
```

Span

Span tag is used for styling inline elements.

```
<span style = "color:green"> Address </span>
```

- prints the word 'Address' in the specified color (here green). The style attribute is used to style HTML elements.

Characters

- ** —** space (non-breaking)
- **" -** add quotation mark (")
- **< -** less than symbol (<)
- **> -** greater than symbol (>)
- **& -** the '&' or ampersand symbol

- **© -** copyright symbol
- **™ -** trademark symbol

Formatting

- Bold text
- <i>Italic text</i>
- <u>underlined text</u>
- <mark>I am highlighted in yellow</mark>- marks the text in yellow. If other colors are needed, span is used.
- I am highlighted in pink
- I am strong - give emphasis to a particular text; mostly bold
- - chosen font for the text
- Font is not used in HTML 5, CSS is used. Attributes of <font> -
- **<face> -** the font family, for example Courier New
- **<size> -** size of the text
- **<color> -** color of the text in hex value (eg. #FF000F) or text (eg.red)
- <small></small> - smaller text, fine print size
- <strike>Strike that out</strike> - strikeout the text inside the tag
- - superscript (text above the normal text like exponential numbers)
- - subscript
- - emphasis
- <pre></pre> - preformatted text
- <tt></tt> - typewriter text

Body

<body> - the main content lies in the body. Inside <body> there can be many sections. **Attributes —**

- **background="" -** Background Image source; can be left empty if no image
- **bgcolor="" -** Background Colour in hex value
- **text="" -** page text color

- **link="" -** Link Colour
- **alink="" -** Active (current) Link Colour
- **vlink="" -** Visited Link Colour
- **bgproperties="" -** Background Properties. A value of "fixed" means non-scrolling watermark
- **topmargin="?" -** Top Margin Size in Pixels
- **leftmargin="" -** Side Margin Size in Pixels

Metadata

<meta> tag is a part of **<head>** and describes information about data. Most common use of metadata is by search engines for keywords. **<meta charset** = **"UTF-8">** - most common character set **Attributes —**

- **name** = "" — can be name like keyword, author, description etc…
- **content** = "" — the value corresponding to above names

Example - <meta name="keywords" content="What is HTML, How to learn HTML">

Sections and divisions

- **<div></div>** new section; nested div tags are very common when multiple sub-sections are required
- **<hr> -** horizontal line

<hr> has the following attributes —

- <hr size = "" width = ""/width = "%" color = "" align = "left/center/right">

- **size –** thickness of the line in pixels
- **width –** in pixels or percentage (any one)
- **color –** color in hex value
- **align –** alignment; left, right or center

Tables

```
<table>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</table>
```

- **<table> -** creates a table,

- **<tr> -** creates a row,
- **<td> -** creates column,
- **<th> -** creates header columns

<table> attributes –

- **border="" -** Thickness of outside border in pixels
- **bordercolor="" -** Border Colour in hex value
- **cellspacing="" -** Space between each cell in pixels
- **cellpadding="" -** Space between cell border and content
- **align="" -** Horizontal Alignment; left, right, center
- **bgcolor="" -** Background Colour hex value
- **width="" -** Table Width in pixels or %
- **height="" -** Table Height in pixels or %

<td> attributes

- **colspan="" -** Number of columns the cell spans across
- **rowspan="" -** Number of rows cell spans across
- **width="" -** width of cell in pixels or %
- **height="" -** height of cell in pixels or %

- **bgcolor="" –** hex value of background colour for the cell (column)

- **align="" -** Horizontal Align; left, center, right
- **valign="" -** Vertical Align; top, middle, bottom
- **<colgroup> - i**s used to define attributes for particular columns of the table.

Example –

```
<colgroup>
 <col span="1" style="background-color:green">
 <col style="background-color:blue">
</colgroup>
```

The first column will be highlighted as green, whereas other columns will be highlighted as blue.

Forms (HTML Cheat Sheet)

Most of the dynamic content like user inputs, submitting a page, filling a form happen inside this tag. It is a group of related inputs.

```
<form>
 <input>
 <select><option></option></select>
 <textarea>
</form>
```

<form> tag attributes –

- **action="url" -** destination url upon form submission
- **method="" -** form method - get, post
- **enctype="" -** type of encoding; for file upload it is "multipart/form-data"

<input> tag attributes –

- **type="" -** Mandatory input Field Type: text, password, checkbox, submit and so on.

- **name=""** - Form Field Name (mandatory for form processing)
- **value=""** - value (entered by user) or default value
- **size=""** - field size
- **maxlength=""** - Maximum acceptable length of Input Field data
- **checked** - Mark selected field in checkbox (multi-select) or radio button (single-select)

<select> </select> - Select options from drop-down list **<select> tag Attributes:**

- **name=""** - Drop Down Combo-Box Name; mandatory for form processing
- **size=""** - size of the drop-down list
- **multiple** - Allow multiple selections

<option></option> - individual items of the drop-down list **<option> tag Attributes:**

- **value=""** - Option value selected or default value set
- <textarea>lot of text like description </textarea> - Large area for text inputs

<textarea> Tag Attributes:

- **name=""** - Text area name for form processing
- **rows=""** - Number of rows of text shown
- **cols=""** - Number of columns (characters per row)
- **wrap=""** - text wrapping

iframe

- **<iframe src=""></iframe>** - embed another document within the current document (page) in a frame.
- **Attribute "src"** – location of the document to be embedded

Links

HTML links, also called as hyperlinks are defined by 'a' tag – <a> **Attributes** –

- **href = ""** – the url to be visited when the link is clicked
- **target = ""** – specifies where to open the link - _blank (new tab/window), _self (same window/tab), _parent (in the parent frame), framename – open in a particular frame.
- **title = ""** – gives information about the element
- **id = ""** – to create bookmarks in the page that can be used as value in href attribute.

Examples –

- Go to hackr.io

- \Open a resource from the given location\
- \Reach a div element specified by the name\

Styles

For styling, there are many attributes being used with various tags. The attributes are –

```
<style>
 text-align= "" – align text; left, right, center
 background-color = "" – background color of the element
 color="" – for color of texts
 font-family = "" – for various fonts
 font-size = "" size of the font
 border = "" – border thickness and color for a table
</style>
```

These styling elements are put together in a CSS.

Lists

There are two types of lists – ordered and unordered. **\
\ -** ordered list **Attributes –**

- **type="" –** the numbering of the list – A, a, I, 1, i
- **start** = **"" –** starting value
- **\
\ -** unordered list

Attributes –

- **type** = **"" – type of bullet –** square, circle, disc
- **\
\ -** individual value in the list

Attributes –

- **\<value>** = **"" –** value of list item
- **\<type>="" –** type of the list item

Images

\<img> - shows the image when page loads **Attributes –**

- **src ="sourceofimage" –** source of the image; url or file location; mandatory
- **alt = "alternate text" –** alternate text; mandatory
- **align = "left/right/center" –** alignment with respect to surrounding items (text)
- **width = "" –** in pixels or percentage
- **height = "" -** in pixels or percentage
- **border = "" –** thickness of the border in pixels