

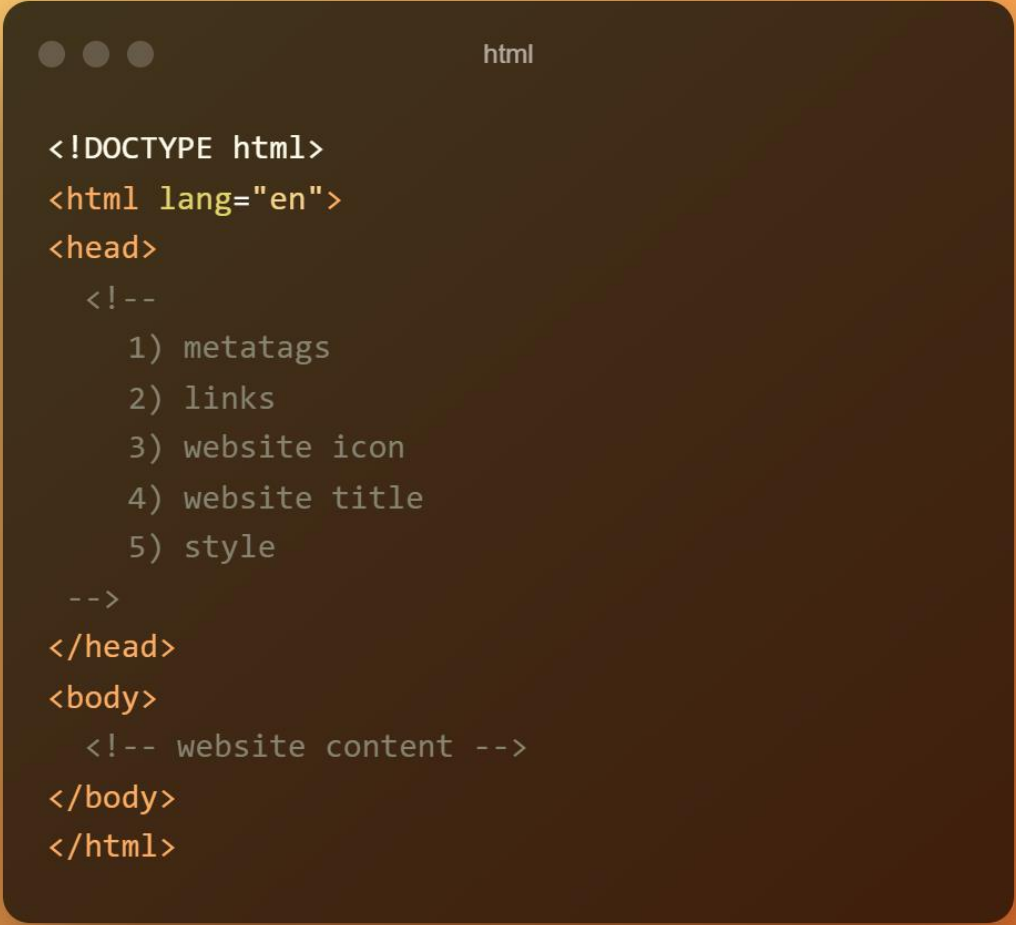
# HTML COURSE



# INTRODUCTION

What is HTML ?

- Hyper Text Markup Language.
- It is the language to build the web structure.
- The browser always search about index.html.



```
<!DOCTYPE html>
<html lang="en">
<head>
  <!--
    1) metatags
    2) links
    3) website icon
    4) website title
    5) style
  -->
</head>
<body>
  <!-- website content -->
</body>
</html>
```

- Meta Tags is informations about the website.

Ex. `<meta name= "description" content= "the description of website" />`

- To Write comment in html we write `<!--Comment -->`
- You must write Doctype before html word because it refers to the version and if you don't write it it will called quirks that doesn't support all the html elements.

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# HEADINGS

## Example:-

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

## Output:-

Heading 1  
Heading 2  
Heading 3  
Heading 4  
Heading 5  
Heading 6

# PARAGRAPH

- Any text write it in `<p> text </p>`
- It's block element to take the whole width and height.

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## GLOBAL ATTRIBUTES

- **Class** : We can write class in any element to make the element different.

```
<p class= "text"> here we write our text </p>
```

- **Id** : The same as class put it is more special than class and the best practice is to write the name of id only once in the website to make it special.

```
Ex. <p id= "special text"> here we write our text </p>
```

# FORMATTING

# ELEMENTS

**Test**    < b > The Bold Text < /b >

*Test*    < i > The italic Text < /i >

**Test**    < mark > To Mark The Text < /mark >

Test    < u > Underline Text < /u >

**H<sub>2</sub>O**

< h1 >H< sub >2< /sub >O< /h1 >

**4<sup>2</sup>**

< h1 >4< sup >2< /sup >< /h1 >

~~Test~~    < del >Test< /del >

# Links

- a tag is used to go to any website from your website or to toggle between your html pages.

## Syntax :

```
<a href= "website Link">text to display</a>
```

href => Hyper text refrence

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## Attributes :

- target= "\_blank" => This is used to open your link in a new tab.
- title= "Your title" => This is used to write any title to your link.

# IMAGES

- img element is used to insert an image in your website.
- Img is self close element.

.....

## Syntax :

```

```



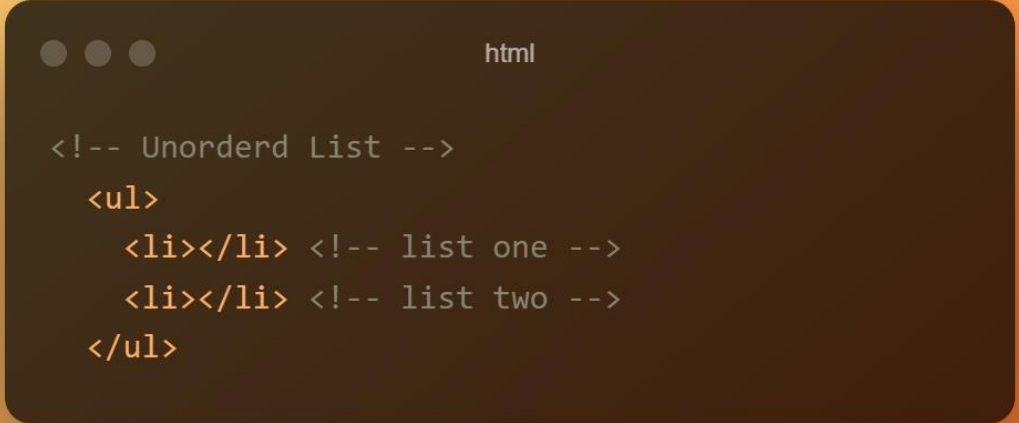
```

```

# Lists ( ul, ol, dl )

- ul => unordered list

syntax :

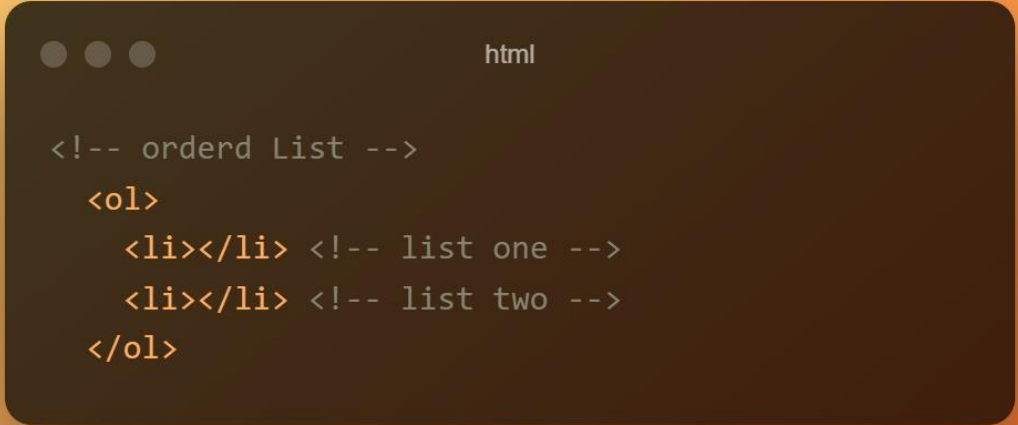


```
<!-- Unorderd List -->
<ul>
  <li></li> <!-- list one -->
  <li></li> <!-- list two -->
</ul>
```



- ol => orderd list

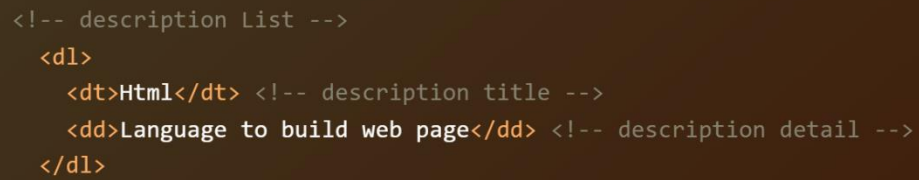
syntax :



```
<!-- orderd List -->
<ol>
  <li></li> <!-- list one -->
  <li></li> <!-- list two -->
</ol>
```

- dl => description list

syntax :



```
<!-- description List -->
<dl>
  <dt>Html</dt> <!-- description title -->
  <dd>Language to build web page</dd> <!-- description detail -->
</dl>
```

# TABLE

- table element is to write a table inside your web page.

```
html

<table> <!-- table element -->
  <thead> <!-- table head -->
    <tr> <!-- table row -->
      <th>Company</th> <!-- table first cell -->
      <th>Contact</th> <!-- table second cell -->
      <th>Country</th> <!-- table third cell -->
    </tr>
  </thead>
  <tbody> <!-- table body -->
    <tr>
      <td>Alfreds Futterkiste</td>
      <td>Maria Anders</td>
      <td>Germany</td>
    </tr>
    <tr>
      <td>Centro comercial Moctezuma</td>
      <td>Francisco Chang</td>
      <td>Mexico</td>
    </tr>
  </tbody>
  <tfoot>
    <tr>
      <td>footer</td>
      <td>footer</td>
      <td>footer</td>
    </tr>
  </tfoot>
</table>
```

colspan attribute: To merge between columns.

rowspan attribute: To merge between rows.

# SPAN , HORIZONTAL , BREAK RULE

- span element is inline element that you can write inside it any text you want.
- `<br>` makes a new line in your web page.
- `<hr>` makes a horizontal block line in your web page.

# DIV , HTML ENTITIES

- div element is a container the up of all elements.



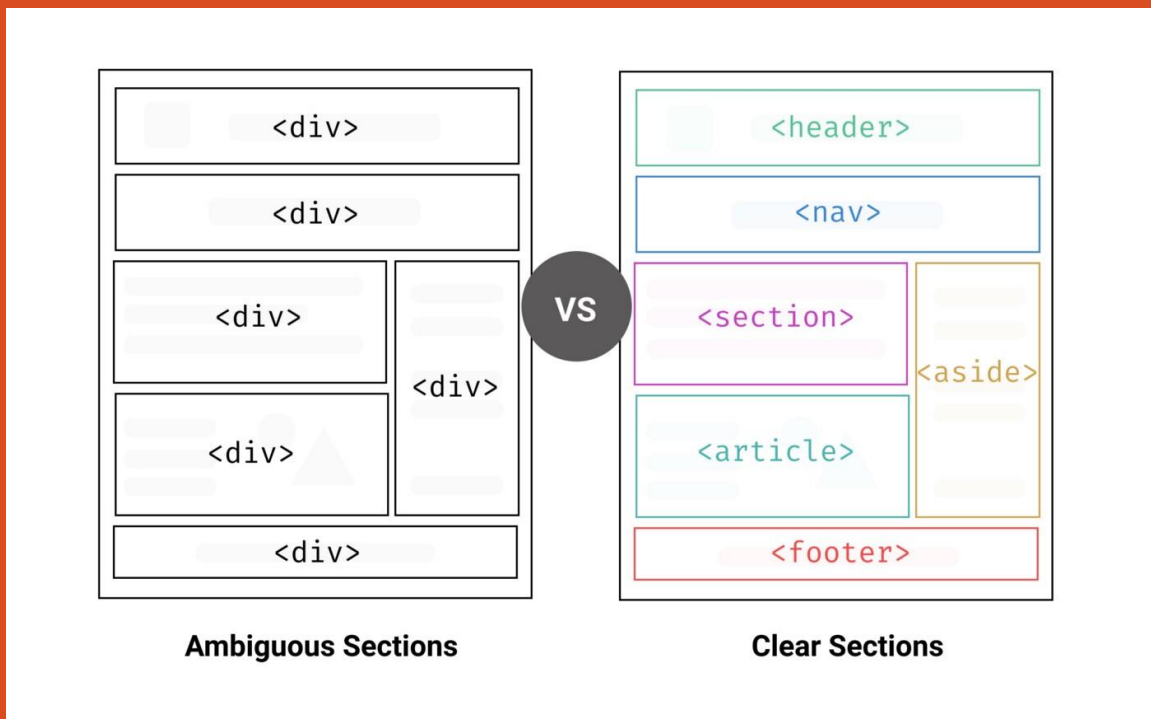
- 
- &copy; => entity to make a copy icon.
  - &lt; => entity to make less than icon.
  - &gt; => entity to make greater than icon.

**There are a lot of entities that will help you in your web page.**

# SEMANTIC

# ELEMENTS

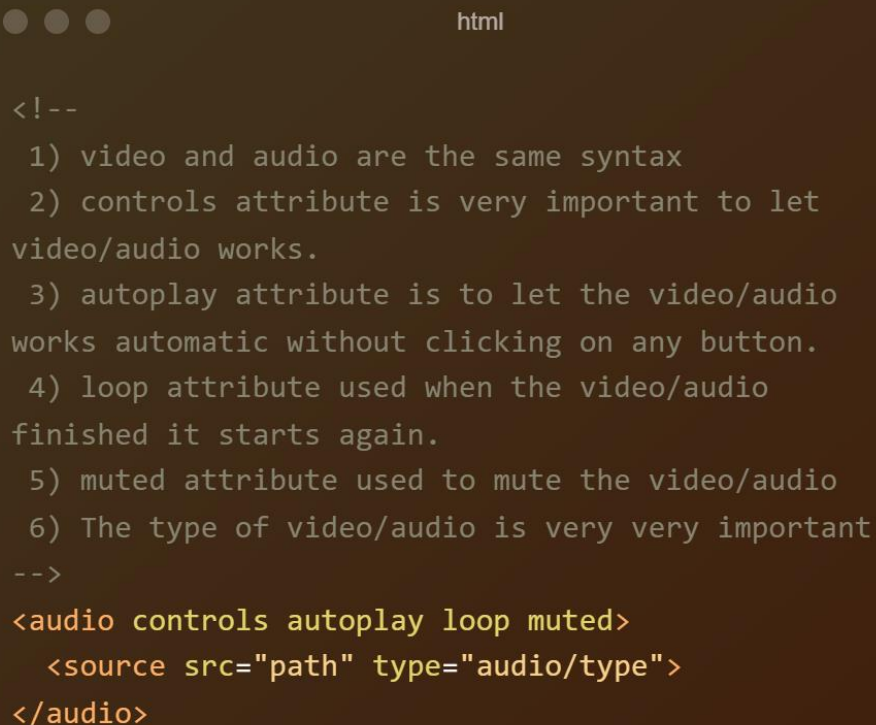
- Semantic elements is more readable than only multiple div and it's the new version of html.



# AUDIO AND VIDEO

- audio and video used to insert any video and audio in your web page.

## Syntax :



```
html

<!--
  1) video and audio are the same syntax
  2) controls attribute is very important to let
video/audio works.
  3) autoplay attribute is to let the video/audio
works automatic without clicking on any button.
  4) loop attribute used when the video/audio
finished it starts again.
  5) muted attribute used to mute the video/audio
  6) The type of video/audio is very very important
-->

<audio controls autoplay loop muted>
  <source src="path" type="audio/type">
</audio>
```

# INPUT TYPES AND LABEL

- input element is inline and self closing tag.
- There a lot of types in input.

## Syntax :

```
<input type="text">
<input type="button" value="value to display">
<input type="checkbox">
<input type="color">
<input type="date">
<input type="email">
<input type="file">
<input type="image" src="" alt="">
<input type="number">
<input type="password">
<input type="radio">
<input type="range">
<input type="reset" value="">
<input type="submit" value="">
<input type="url">
<textarea cols="30" rows="10"></textarea>
```

## Attributes :

- required attribute => to say that I want this input to be filled.
- placeholder attribute => to write text inside the input field.
- autofocus attribute => to focus on input by default.
- minlength , maxlength => important in tel , number , password.



- label is the name of input write before input or after it.

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# WORDS TO SEARCH

## ABOUT

- 1- input types.
- 2- Accessibility.
- 3- Html best practice.

**PRACTICE PRACTICE PRACTICE**

**GOOD LUCK.**