

Agenda

- Textual tags
- Formatting tags
- List tag
- Table tag
- Resource tags
- Anchor tag
- Form tag
- GET vs POST method
- Header, Footer, article, aside, nav

Attribute

- Extra information about the tag
- Attribute always present in name=value format
- E.g. `<meta charset="utf-8">`
 - meta: tag
 - charset: attribute name
 - utf-8: attribute value
- A tag may have one or more attributes
- Every tag has following attributes
- name: used to create query string
- id: used to identify an element uniquely
- style: used to write inline css
- class: used for css

HTML Structure

- It consists of 2 parts

1. Head

- Contains extra information about the page
- tags that can be used inside the head are
 1. title: used to set the title for the tab
 2. script: used to add JS code in the page
 3. style: used to add CSS code
 4. meta: used to add more information about the page
 5. link: used to link external documents (files)
 6. base: used to set the base url used in the page

2. Body

- Contains actual design
- tags that can be used inside the body are
 1. Textual
 2. Resources

3. List
4. Table
5. Linking(Anchor)
6. Form

- The tags can be inline or block tags
- the inline tags keep the data on the same line however the block tags add the data on the next line

Textual tags

1. Header: used to add header in page
 - There 6 levels
 - Tags: h1 to h6
 - H1 is the biggest while h6 is the smallest
 2. Paragraph (
); used to add a para
 3. Division(
); used to create groups of Tags and Textual contents
- All the above are block tags

Formatting Tags

- These all are inline tags
1. span - used during CSS
 2. bold - `` or ``
 3. italic - `<i></i>`
 4. underline - `<u></u>`
 5. strike - `<strike></strike>`
 6. monospace - `<tt></tt>`
 7. superscript - ``
 8. subscript - ``
 9. font - ``
 10. formatted - `<pre></pre>`

List tags

1. Unordered list
- Does not render the order

```
<ul>
  <li>list item1</li>
  <li>list item2</li>
</ul>
```

2. Ordered list

- Renders the list item order

```
<ol>
  <li>list item1</li>
  <li>list item2</li>
</ol>
```

3. Definition list

- Used to create list of definitions

```
<dl>
  <dt>term 1</dt>
  <dd>definition 1</dd>

  <dt>term 2</dt>
  <dd>definition 2</dd>
</dl>
```

Table tag

- Used to create tabular representation
- Divided into 3 sections
 1. Header
 - Use `<thead>` (table header)
 2. Body
 - Use `<tbody>` (table body)
 3. Footer
 - Use `<tfoot>` (table footer)
- To create row Use `<tr>`
- To create column In header Use `<th>` (table header column)
- In Body and Footer Use `<td>` (table data)
- Example

```
<table>
  <thead>
    <tr>
      <th></th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td></td>
```

```
        </tr>
    </tbody>
    <tfoot>
        <tr>
            <td></td>
        </tr>
    </tfoot>
</table>
```

- Attributes:

1. border: used to create border
2. colspan: used to merge multiple columns horizontally
3. rowspan: used to merge multiple columns vertically

Resource tag

1. Images

- img: used to add image
 - src: specify the source
 - alt: used to alternative text (rendered only in case of missing source)

2. Audio

- audio: used to play audio
 - src: to set the file to play
 - controls: to render controls
 - autoplay: to play the file automatically

3. Video

- video: used to play video
 - src: to set the file to play
 - controls: to render controls
 - autoplay: to play the file automatically

Linking Tag (Anchor)

- Used to link multiple pages
 - `text`
- multiple sections within same page
 - `text`
- multiple pages with multiple sections
 - `text`

Form tag

- Used to get inputs from user
- Inside the form tag we can use below tags

1. input

- used to get input from the user
- type attribute is used to specify the input type.
- value to type attribute can be
 - text: textual value
 - number: number value
 - email: email value
 - tel: telephone
 - date: date input
 - time: time input
 - radio: create radio button
 - checkbox: multiple selection
 - password: masked characters
 - submit: to submit values
 - reset: to clear the form
 - file: used to upload file

2. textarea

- used to get multi-line input

3. select

- used to render drop-down

```
<select>  
  <option>op1</option>  
  <option>op2</option>  
</select>
```