

## # Audio Video Content

- HTML5 `<audio>` tag
  1. To use `<audio>` tag have to use `<controls>` attribute
  2. Has some attribute learn by yourself.
- HTML5 `<video>` tag
  1. To use `<video>` tag have to use `<controls>` attribute
  2. Some attribute `<muted>` `<autoplay>`
- Embed file is used to show other website content in your website. to use embed a html5 element is use called `<iframe>`

## # HTML5 vs HTML

1. `<header>` for website header.
2. `<nav>` for using navigation part.
3. `<section>` for different area instead of div.
4. `<article>` for different blog post.
5. `<footer>` to use as website footer.
6. `<aside>` to use aside content.

> These are also called semantic elements

## # HTML Table Content

- for table row use `<tr>` tag
- for table data use `<td>` tag
- `<table>` css property `<border-collapse>` by default it is `<separate>`. we can use `<collapse>` to make table data border collapse together.

```

- `tbody`
- `thead` >> `tr` >> `th`

| table head → | `tr` → `th` | `th` | `th` |
| ----- | ----- | ---- | ---- |
| table body → ↓ | `tr` → `td` | `td` | `td` |
| | `tr` → `td` | `td` | `td` |

```

## # HTML Form Content

```

- `form` has and `action` attribute to
  1. `input` element attribute `type` as text for email
and name
  2. `fieldset`
  3. `legend`
  4. `input` element attribute `radio` to create radio
button.
  5. for selecting only one from a radio button you need
to use same name for `name` attribute in `radio` `input`
element.
  6. `input` element attribute `checkbox` to create check
button.
  7. `textarea`
  8. Must have a submit button with a `button` element
and attribute `type` should be `submit`.
  9. there is a `reset` button which is same as submit
button just to use `type` attribute as `reset` instead of
`submit`

```

## # Nested Selection

```
- `parent-selection child-selection{`css property`}` to  
select all child element in parent container.  
- `parent-selection > child-selection{`css property`}` to  
select immediate child element in parent container.  
-
```

## # SVG Element

```
- `viewBox` attribute has 4 value
```

```
...
```

```
<svg viewBox="0 0 200 200" width="400" height="400">  
</svg>
```

```
...
```

```
- `rect` tag to create rectangle  
- `circle` tag to create circle  
- `path` tag to
```

```
> d3.js. need to learn more!!!!
```

## # All HTML Tags I Need to Know About

```
> Search HTML5 tags and go to [Tutorial  
Republic] (https://www.tutorialrepublic.com/)
```

```
- `abbr`  
- `address`  
- `area`  
- `article`  
- `aside`
```

```
- `b`
- `blockquote`
- `br`
- `button`
- `canvas` special opposite
- `caption` table element caption
- `code`
- `figure`
- `figcaption`
- `footer`
- `iframe` url in an inline frame
- `label`
- `legend`
- `progress`
- `small`
- `sub` & `sup`
- `tfoot`
- `video`
- `source` inside `audio` & `video`
- `span`

> HW `select` and `option` , `sub` & `sup` `html` & `css`
comment` how it works
```

## # HTML Attributes

```
- `alt`
- `class` in every tag :stuck_out_tongue_closed_eyes: .
- `cols` & `row` in textarea.
- `controls` in `audio` `video`.
- `data-*` custom attribute (Learn More by yourself).
- `for`
```

- ``form``
- ``height``
- ``width``
- ``href``
- ``hidden`` do not use directly as attribute use it in css display property.
- ``loop`` for ``audio`` ``video`` tag.
- ``max`` & ``min`` for ``input`` ``meter`` ``progress`` tag.
- ``title`` on hover a tooltip will show
- ``value``
- ``wrap`` for textarea.