

Session 03 | 4th October 2022

Structure of an HTML Page

- HTML pages are also called as HTML Documents
- HTML has different version. Current version is 5.x referred as HTML 5
- Use `<!DOCTYPE>` command to define the version of HTML going to use in a web page
- `<!DOCTYPE>` for HTML 5 is

`<!DOCTYPE html>`

- Here html also define the first tag name called as **root tag**

`<html>`

`</html>`

- The root tag contains two tags defined two sections
 - Head Section
 - Body Section
- Use `<head></head>` for head section
- Use `<body></body>` for body section
- The head section contains all the tags which do show any contents on the web page
 - `<meta>`
 - `<script></script>`
 - `<style></style>`
 - `<title></title>`
- The body section contains all the tags which show some kind of contents of the page like text, images, video, audio, table, form etc.
 - `<p></p>`
 - `<h1></h1>`
 - ``

-
- <form></form>
- <table></table>
- <video></video>
- <audio></audio>
-

■ The structure of a web page is like

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
  </head>
```

```
  <body>
```

```
  </body>
```

```
</html>
```

Example

```
<!DOCTYPE html>
<html>
  <head>
    <title>First HTML Page</title>
  </head>
  <body>
    <h1>Welcome to HTML</h1>
  </body>
</html>
```

■ HTML documents can also have some comments called as **HTML comments**. They are just to read and not interpreted by web browsers

```
<!-- comments -->
```


How to create a table?

Use the `<table></table>` tag to define a table with sub tags `<tr></tr>` to define the table rows.

The `<tr></tr>` may have `<th></th>` or `<td></td>` sub tags to define the table heading or table data.

`<table>`

`<tr><th></th><th></th></tr>`

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

`</table>`

Example

Create the following table

Roll No	Name	Branch
A001	Rakesh Kumar	Data Science
A002	Kamal Gupta	AI & ML

■ The `<table>` tag also provide a set of attributes

- `border="n"`
- `align="left | right | center"`
- `width="n or %"`

```
<!DOCTYPE html>
<html>
  <head>
    <title>Using Tables</title>
  </head>
  <body>
    <h1 align="center">Table Demo</h1>
    <table border="2" align="center" width="80%">
      <tr><th>Roll No</th><th>Name</th><th>Branch</th></tr>
      <tr><td>A001</td><td>Rakesh Kumar</td><td>Data Science</td></tr>
      <tr><td>A002</td><td>Kamal Gupta</td><td>AI & ML</td></tr>
```

```
        </table>
    </body>
</html>
```