

INTRODUCTION TO HTML

◉ What is front end?

- Converting data into graphical interface

HTML

- ◉ What is HTML?
- ◉ What is XHTML?
- ◉ What is HTML5?

XHTML

- ◉ XHTML stands for EXtensible HyperText Markup Language.
- ◉ It is the next step to evolution of internet.
- ◉ The XHTML was developed by World Wide Web Consortium (W3C).

XHTML

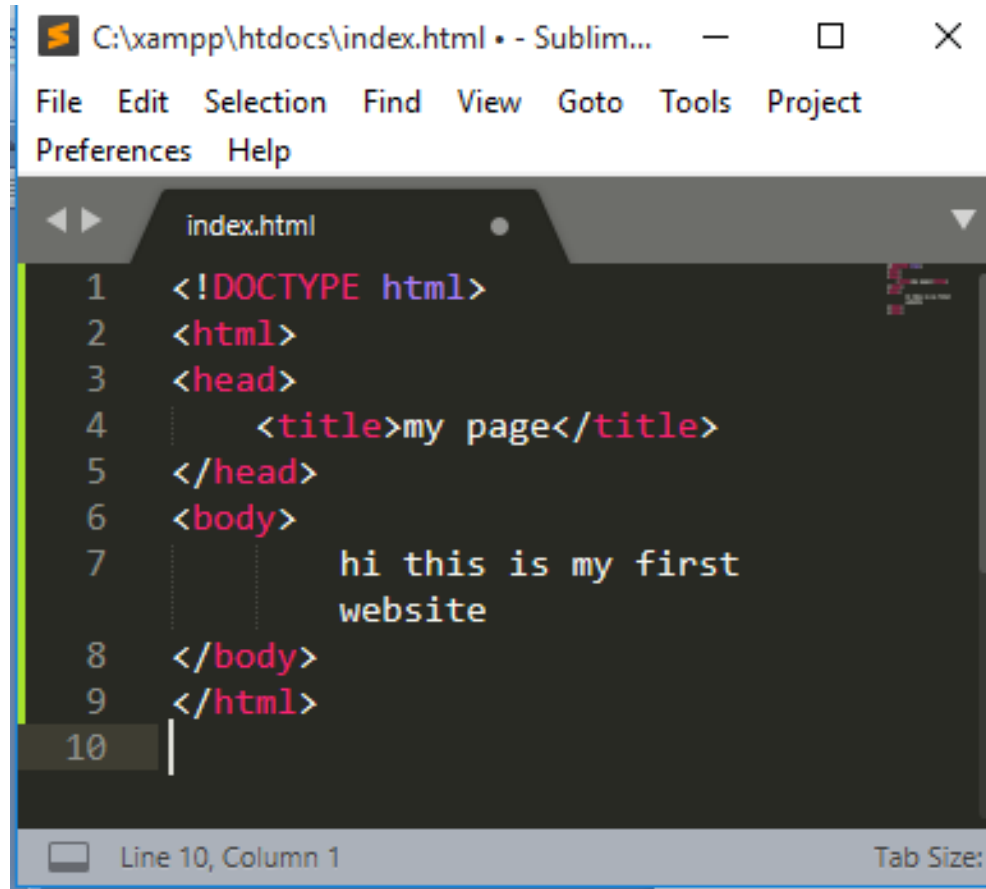
- ◉ **DOCTYPE:** It is used to declare a DTD
- ◉ **head:** The head section is used to declare the title and other attributes.
- ◉ **body:** The body tag contains the content of web pages. It consists many tags.

Creating a XHTML web page, it is necessary to include DTD (Document Type Definition) declaration

- ◉ Transitional DTD
- ◉ Strict DTD
- ◉ Frameset DTD

HTML

- ⦿ A simple HTML document:



The screenshot shows a Sublime Text editor window with the title bar "C:\xampp\htdocs\index.html - Sublim...". The menu bar includes "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Preferences", and "Help". The editor tab is labeled "index.html". The code is as follows:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>my page</title>
5  </head>
6  <body>
7      hi this is my first
       website
8  </body>
9  </html>
10 |
```

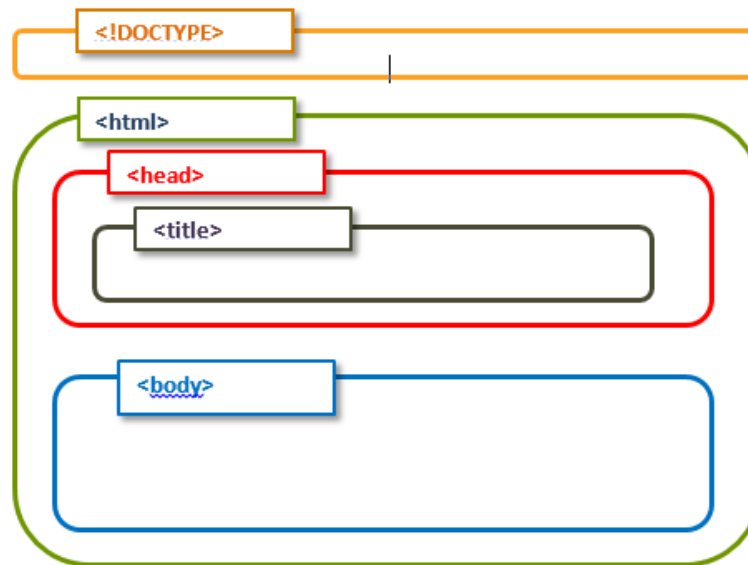
The status bar at the bottom indicates "Line 10, Column 1" and "Tab Size:".

HTML

- HTML tags

- < angular brackets>

- Page Structure



HTML EDITORS

- ◉ Note pad or text edit
- ◉ Professional HTML editors
- ◉ Notepad--→ write +save +run in web browser

HTML

Heading

<h1> to <h6>

Paragraph

<p>----- </p>

HTML

- ◉ Image

``

- ◉ Render the image size by specifying width and height as

``

HTML

◉ Link : Interpage and Intrapage

- Create a new page and provide the link
- Specify the website address
- Back to top (using id)

Instead of text even images can be used as links.

HTML

◉ Link:

```
<a href="https://www.nitk.ac.in/"  
target="_blank"> visit the new page </a>
```

to top :

```
<h1 id="top">this is here</h1>
```

```
<a href="#top">back to top</a>
```

HTML

- ◉ Superscript, Subscript

``

``

HTML

- ◉ Strong , Emphasized

` ----- `

` ----- `

HTML

- ◉ Special character

eg: copyright

`<h1> copyright © </h1>`

HTML

◉ List

■ Ordered list

- ``
- ` aaa `
- `bbb `
- ``

■ Unordered list

- ``
- ` aaa `
- `bbb `
- ``

HTML

◉ Table

- Row `<tr>` `</tr>`
- Column `<td>` `</td>`
- Heading `<th>` `</th>`

HTML

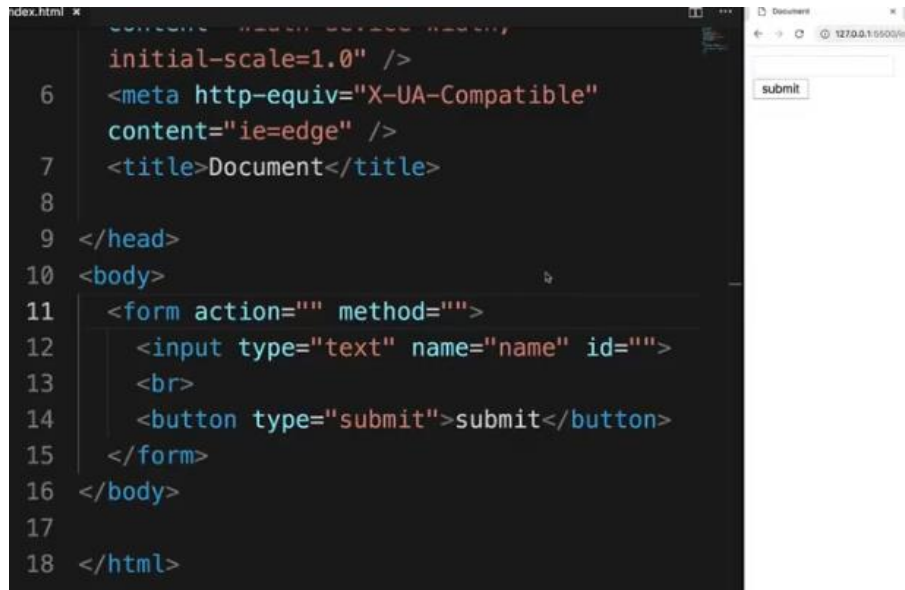
◎ Form

- Collect some kind of data
- `<form action=" " method = " "> ---- </form>`
- Action= where
- Method= how (get,Post)
- Input can be multiple type (text, email etc)
- `<input type= " " name= " " id= " ">`
- Type (any form) name (used for collecting data)
- id (Used for label)

HTML

◉ Button

`<button type="submit"> submit </button>`



The image shows a code editor window on the left and a browser preview on the right. The code editor displays the following HTML code:

```
index.html x
1 <!-- ... -->
2 initial-scale=1.0" />
3
4 <meta http-equiv="X-UA-Compatible"
5 content="ie=edge" />
6
7 <title>Document</title>
8
9 </head>
10 <body>
11   <form action="" method="">
12     <input type="text" name="name" id="">
13     <br>
14     <button type="submit">submit</button>
15   </form>
16 </body>
17
18 </html>
```

The browser preview on the right shows a document titled "Document" with a text input field and a "submit" button.

HTML

◉ Input

- Password

- Email

- `<input type="password" placeholder="password">`
- `<input type="email" value="aaa@gmail.com">`
- `<input type="submit" value="submit here">`

HTML

Text area

- `<textarea name=" " id=" " cols="20" rows="40">`
`</textarea>`

Radio button

`<input type="radio" name="gender" id=" " value="male"> male`

`<input type="radio" name="gender" id=" " value="Female"> Female`

HTML

◉ Checkbox

- `<input type="checkbox" name="gender" id=" " value="male"> male`

CSS(CASCADING STYLE SHEET)

STYLING WITH CSS

THANK YOU