HTML & CSS (Part 1)
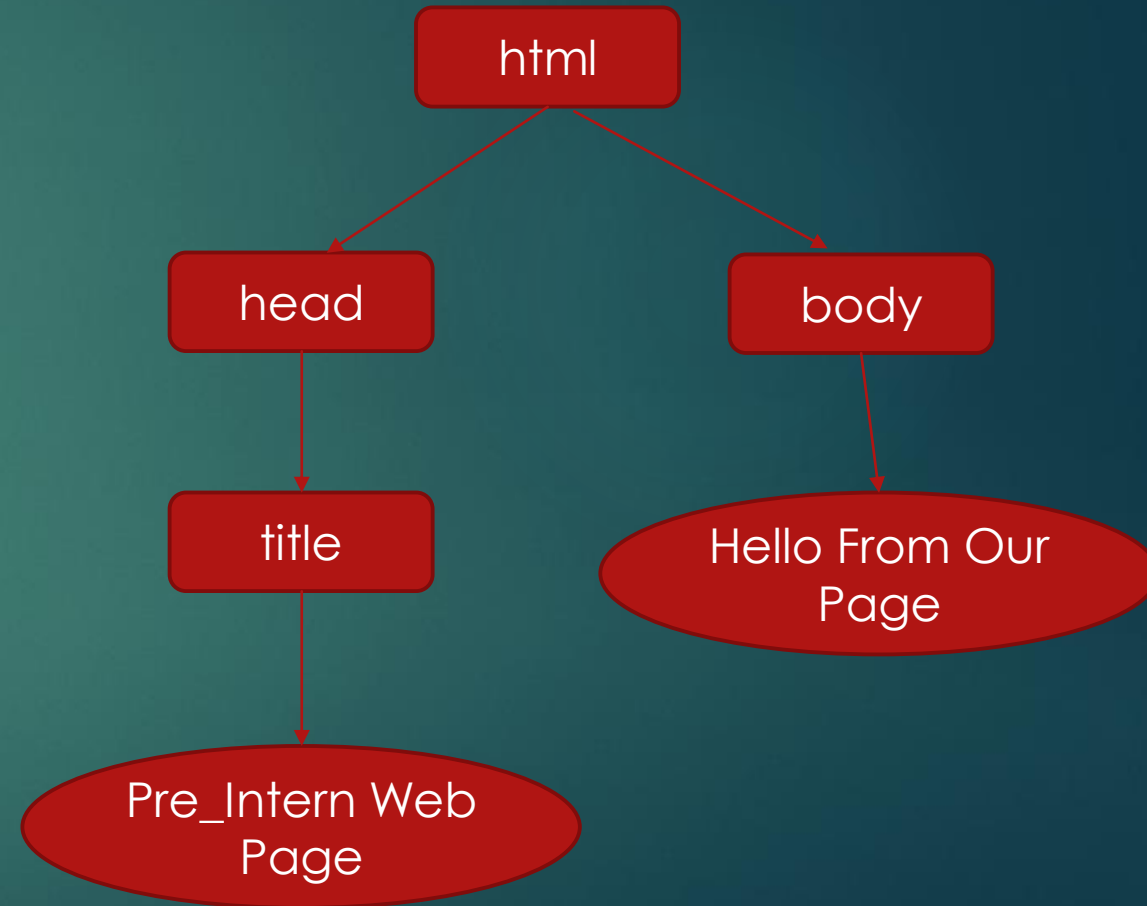
HTML

- To layout structure of web page
- Web page is composed of html tags : generally has start angle bracket and end angle bracket.

- !DOCTYPE HTML : to describe the version of html
- Latest version : HTML 5

Document Object Model

- <!DOCTYPE html>
- <html>
- <head>
- <title>Pre_Intern Web Page</title>
- </head>
- <body>
- Hello from our page!
- </body>
- </html>

```
        html
       /    \
    head    body
     |         |
   title    Hello From Our
     |         Page
 Pre_Intern Web
     Page
```

To render headings of text

- <h1>.....................</h1>
- <h2>.....................</h2>
- <h3>.....................</h3>
- <h4>.....................</h4>
- <h5>.....................</h5>
- <h6>.....................</h4>

Biggest

Smallest

Lists

- Unordered List
  - ……
- Ordered List
  - ……

Image

- `<img src="cat.jpg">`

- `<img src="cat.jpg" width="200" height="300" alt="my cat">`

- `<img src="cat.jpg" width="50%" alt="my cat">`

- *** Tag image keywords using "alt" for SEO

Table

- \<table\>
  - \<tr\>
    - \<th\> \</th\>
    - \<th\>\</th\>
  - \</tr\>

  - \<tr\>
    - \<td\> \</td\>
    - \<td\>\</td\>
  - \</tr\>

- \</table\>

Link

- Hello from our page

Form

- <form>
  - <label >First name:</label>
  - <input type="text" name="fname" >
  - <label >Last name:</label>
  - <input type="text" name="lname" >

  - <button>Submit</button>
- </form>

CSS (Cascading Style Sheets)

- Used to interact with style of HTML
- To design web page better
- 3 types of style structure
  - Inline
  - Internal
  - External

CSS

- Inline Style
- <h1 style="color:rgb(173,68,90);text-align="center"></h1>

- For colors, use color picker

CSS

- Internal Style
- <style>

- H1{
  - Color: red;
  - Text-align: center;
  - }

- </style>

CSS

- External Style

- \<head\>
  - \<link rel="stylesheet" href="styles.css"\>
- \</head\>

- Style.css
- H1{
    - Color: red;
    - Text-align: center;
    - }

Commonly Used CSS attribute

- color
- text-align
- width, height
- margin, padding
- font-family, font-size, font-weight
- border

div & span tags

- Div : division of html document

- Span : section of a wed page inside, inline

Id and class

- Id : uniquely reference different sections of web page
- Class: with arbitrary number

- Id : referenced with #
- Class : reference with .