



# Introduction to HTML

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# Objectives

- Understand HTML
- Understand Different Elements in HTML
- Understand Body, Anchor & Formatting Elements
- Creating Forms
- Cascading StyleSheet
- CSS –Pseudo Classes

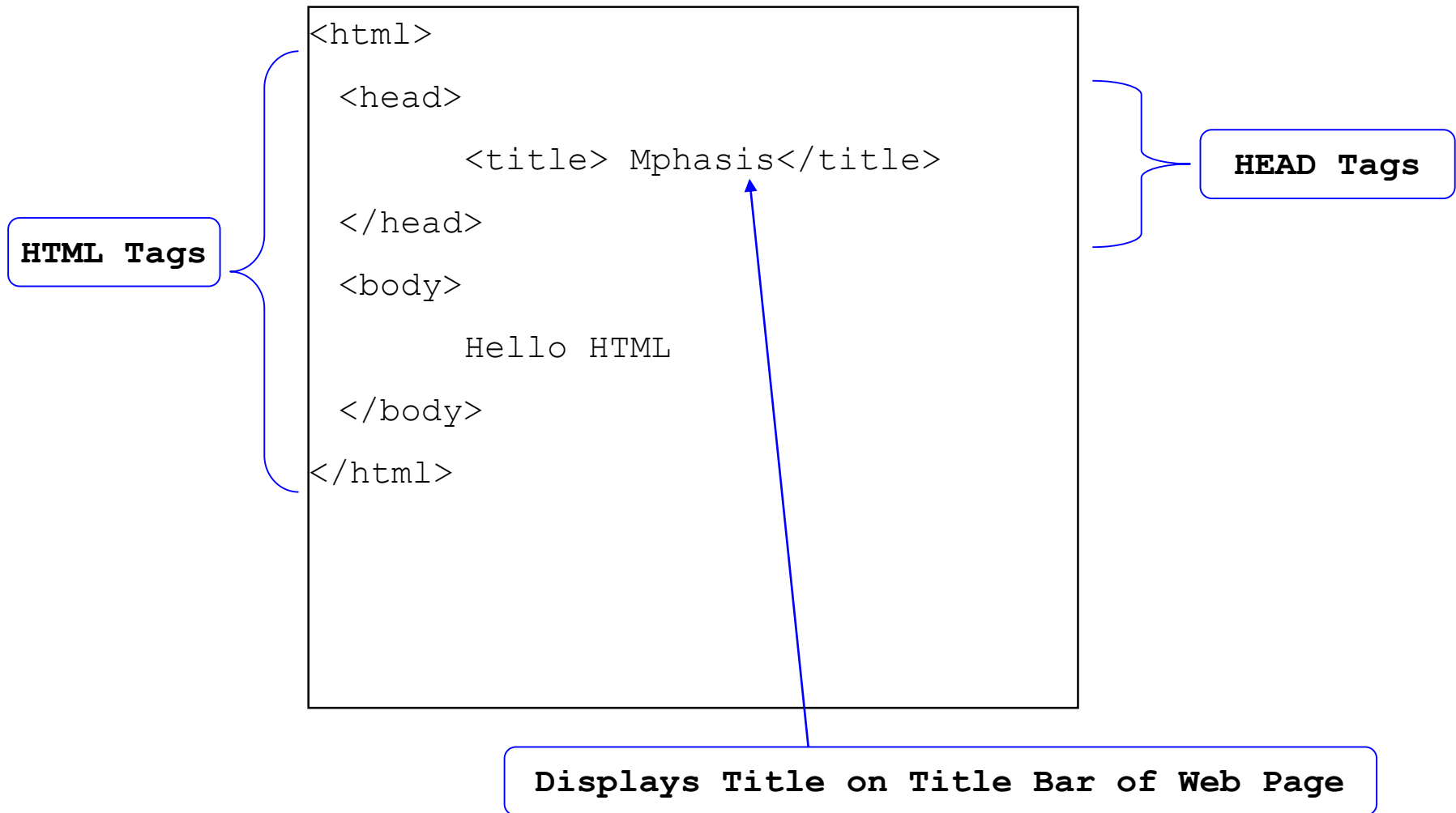
# Introduction To HTML

- HTML stands for “Hyper Text Mark up Language”
- HTML is based on “Standard Generalized Mark Up Language” (SGML)
- It was developed by Tim Berners Lee in 1990

# What is HTML?

- HTML is encoding language for creating web pages that can be displayed by any browser.
- It consists of tags and elements.
- It is written using plain text editors or HTML editor.
- It should have extension `.htm` or `.html`
- Elements in HTML enclosed in angular brackets are called Tags.
- Tags are not case sensitive.

# Basic HTML Document



# Body Elements

- Through Body Element user can change all the text, background color & images of the web page.
- Body Element contains the following Attributes:
  - `<body bgcolor="Yellow">`
  - `<body background="Star.jpg">`
  - `<body text="Red">`
  - `<body leftmargin="60">`

# Anchor Elements

- This element marks the text as Hyper Link. It is defined as `<A>`
- The Anchor Element contains the following attribute

```
<a href = "C:\Desktop\Resume.doc"> Click </a>
```



Anchor Tag

Creates a Hyper Link



# Formatting Elements

- HTML defines many Formatting Elements
- Following are Few of the formatting elements

Formatting Element	Description
<code>&lt;h1&gt;</code> to <code>&lt;h6&gt;</code>	Heading Element which defines the heading of the text
<code>&lt;font&gt; ...&lt;/font&gt;</code>	Font element defines the font of the text with attributes size, face, color
<code>&lt;b&gt;...&lt;/b&gt;</code>	Bold face element
<code>&lt;u&gt; ... &lt;/u&gt;</code>	Underline element
<code>&lt;i&gt;...&lt;/i&gt;</code>	Italic element

# Formatting Element (continued)

Formatting Element	Description
<code>&lt;strike&gt;...&lt;/strike&gt;</code>	Strike element
<code>&lt;sub&gt; ... &lt;/sub&gt;</code>	Subscript element
<code>&lt;sup&gt;... &lt;/sup&gt;</code>	Superscript element

## Example :

```
<font size=20 face="Arial" color=Green > WELCOME </font>
```

# Example on Formatting Elements

Body  
Element

Anchor  
Element

Formatting  
Elements

```
<html>
<head>
<title> Welcome To Mphasis </title></head>
<body bgcolor="Yellow" text="Red" leftmargin="60">
  <a href="c:\abc.txt">Click </a>
  <h1> Mphasis </h1>
  <h2> Mphasis </h2>
  <h3> Mphasis </h3>
  <h4> Mphasis </h4>
  <h5> Mphasis </h5>
  <h6> Mphasis </h6>
  <font size=10 face= "Book Antigua" color = "Black">
    Welcome to Mphasis Company
  </font> <br>
  Price : <strike>500 /- </strike> Only 250/- <br>
    2<sup>2</sup>=4 </br>
    H<sub>2</sub>0</br>
</body> </html>
```

Heading  
Elements

# Lists

## Ordered List

- `<ol>`
- `<li>Html</li>`
- `<li>CSS</li>`
- `<li>jQuery</li>`
- `</ol>`

Type : A a l i

# Lists

## Unordered List

- `<ul>`
- `<li>Html</li>`
- `<li>CSS</li>`
- `<li>jQuery</li>`
- `</ul>`

Type : Square , Disc, circle

# Displaying Images and Linking Documents in HTML

- Use the `<img>` tag to display an image
  - The `src` attribute specifies the URL of the image source:

```

```

- Use the `<a>` tag to define a link
  - The `href` attribute specifies the target of the link:

```
<a href="default.html" alt="Home Page">Home</a>
```

# Tables

- Use the `<table>` tag to display data in rows and column

```
<table border=1 >
<tr>
<td>Name</td>
<td>Age</td>
<td>Address</td>
</tr>
<tr>
<td>Ajay</td>
<td>21</td>
<td>Bangalore</td>
</tr>
</table>
```

# Formatting and entities

- More formatting
  - `<br>` for line breaks
  - `<hr>` horizontal ruler
  - `<div>` creating a section
  - `<p>` paragraph
- Entities
  - `&nbsp;` single space
  - `&copy;` creates copyright symbol
  - `&reg;` create registration symbol
  - `&trade;` create TM symbol



# Frames

- Use the `<frameset>` tag to merge multiple pages
  - Merging can be horizontally or vertically or both
  - Attributes : rows , cols

```
<frameset rows=50% ,*>  
<frame src ="google.com">  
<frame src ="youtube.com">  
</frameset>
```

# Gathering User Input by Using Forms in HTML

- The <form> element provides a mechanism for obtaining user input
  - The action attribute specifies where the data will be sent
  - The method attribute specifies how the data will be sent
  - Many different input types are available

First name:

Paul

Last name:

West

Email address:

paul.west@contoso.com

Choose a password:

●●●●●●●●

Confirm your password:

●●●●●●●●

Website/blog:

http://www.contoso.com

Register

# Form Elements

- Following are the elements that can be created using form :
  - Text field
  - Password Field
  - Combo Box
  - List Box
  - Radio Button
  - Check Box
  - Command Button

# Form Elements

Form Elements	Description
Text Field	Can create a Text Field by using Input Element with Type Attribute.
Pass Word Field	When text is entered in Pass Word Field it shows * * * * Symbol
Combo Box	It can have multiple values and it allows user to select one value at a time
List Box	It can have multiple values and allows user to select more than one value at a time
Radio Button	Can create a Radio Button by using Input Element with Value and Name Attribute
Check Box	Can create Check box by Using Input Element
Command Button	This is useful for submitting any data that is helpful in transferring data across different interfaces

# Example - Form Elements

**<form name="frm">**

**Enter Your Login ID : <input type=text size=20> <br>**

**Enter Your Pass Word : <input type=Password maxlength=8 size=20> <br>**

**<select name=combo1>**

**<option>Value1</option>**

**<option>Value2</option>**

**<option>Value3</option>**

**</select> <br><br><br>**

**<select name=combo1 multiple>**

**<option>Value1</option>**

**<option>Value2</option>**

**<option>Value3</option>**

**</select> <br><br>**

**Select Gender**

**<input type=Radio value=Male name=Checked> Male**

**<input type=Radio value=Female name=Checked> Female <br>**

**Select Hobbies**

**<input type= Checkbox >Cricket**

**<input type= Checkbox > Reading**

**<input type= Checkbox > Watching TV<br><br>**

**<input type=submit value="Load Data">**

# Preview of web page

D:\courseware\samples\form.html

Enter Your Login ID :

Enter Your Pass Word :

Value1

Value1  
Value2  
Value3

Select Gender ☐ Male ☐ Female

Select Hobbies ☐ Cricket ☐ Reading ☐ Watching TV

Done

# Questions and Comments

