

Course Name : Web Technologies

Course Code : CSEG7007



Course Instructor :

J.Dhiviya Rose

Assistant Professor-Selection Grade

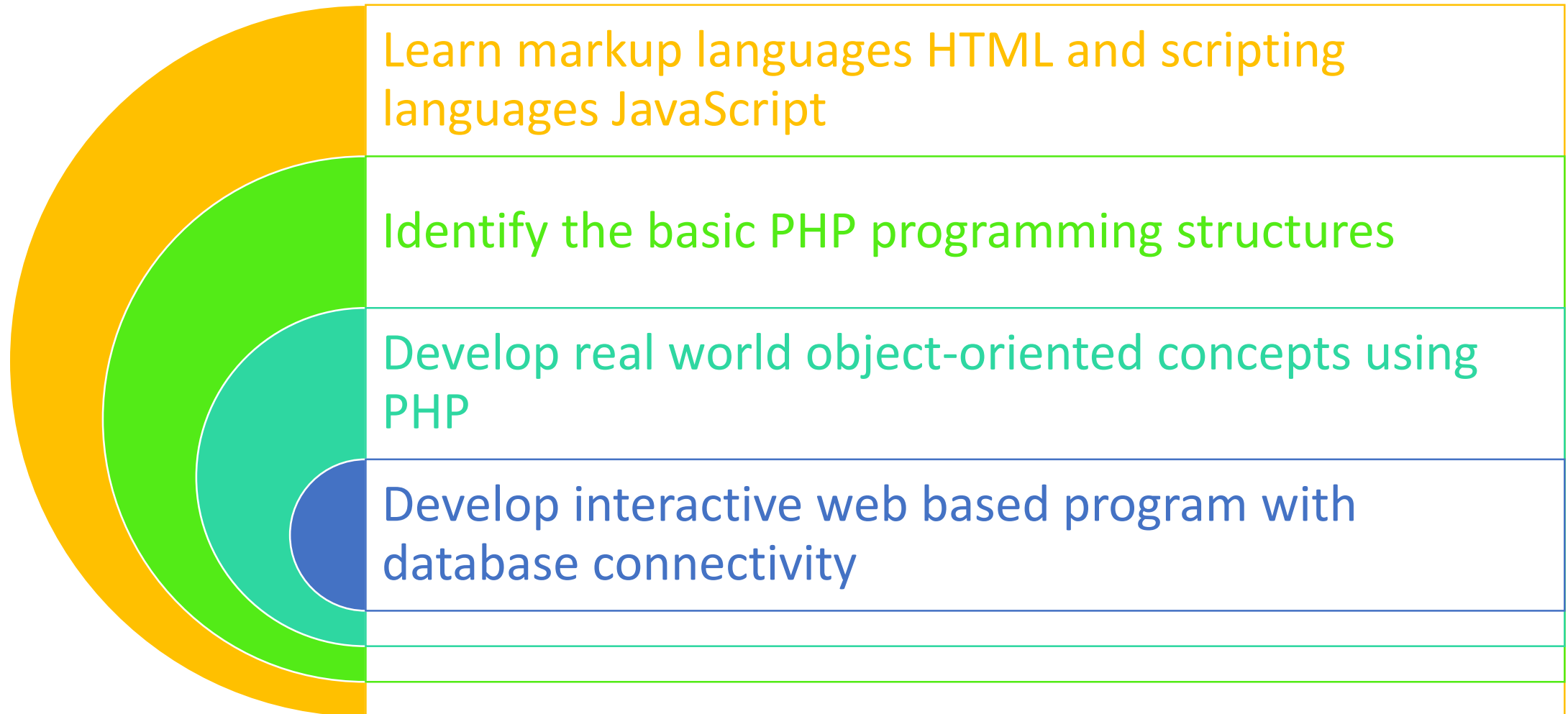
Cybernetics Cluster

School of Computer Science

Email : dhiviyarj@ddn.upes.ac.in

Mobile : 9410188296

Course Outcomes – Web Technology Through PHP



Unit 1/ CO1 Syllabus: Introduction

What is HTML, Basic Structure of HTML Page, Basic Tags, Lists, Tables, Images, Forms and Frames.

Dynamic HTML with Java Script: Data validation, Opening a new window, Messages and Confirmations, The status bar, writing to a different frame, Rollover buttons, Moving images, multiple pages in a single download, a text-only menu system, Floating logos.

Introduction, Usage of variables, operations, control structures, looping structures, predefined keywords, arrays and functions, objects. Exception Handling, Events and Event Handling and Validations.

Lecture #2

Hyper Text Markup Language(HTML)

Course Instructor

Dhiviya Rose J . Asst. Prof. Selection Grade

Cybernetics Cluster | SCS | UPES



Learning Outcomes

Tables in HTML

Forms in HTML

CSS

Ref: <https://www.javatpoint.com/html-building-blocks>

ACTIVITY

TIME

Comments in HTML

<!--
Text
-->

```
<table width="800" border="0" cellpadding="0">
  <tr>
    <!--cell 1: navigational links-->
    <td width="100">&nbsp;</td>
    <!--cell 2: main page content-->
    <td width="600">
      <table width="100%" border="0" cellpadding="0">
        <tr>
          <td>&nbsp;</td>
        </tr>
      </table>
    </td>
  </tr>
  <!--cell 3: side bar cell-->
  <td width="100">&nbsp;</td>
</tr>
</table>
```

Examples of comments in HTML



Hyperlink/text in HTML

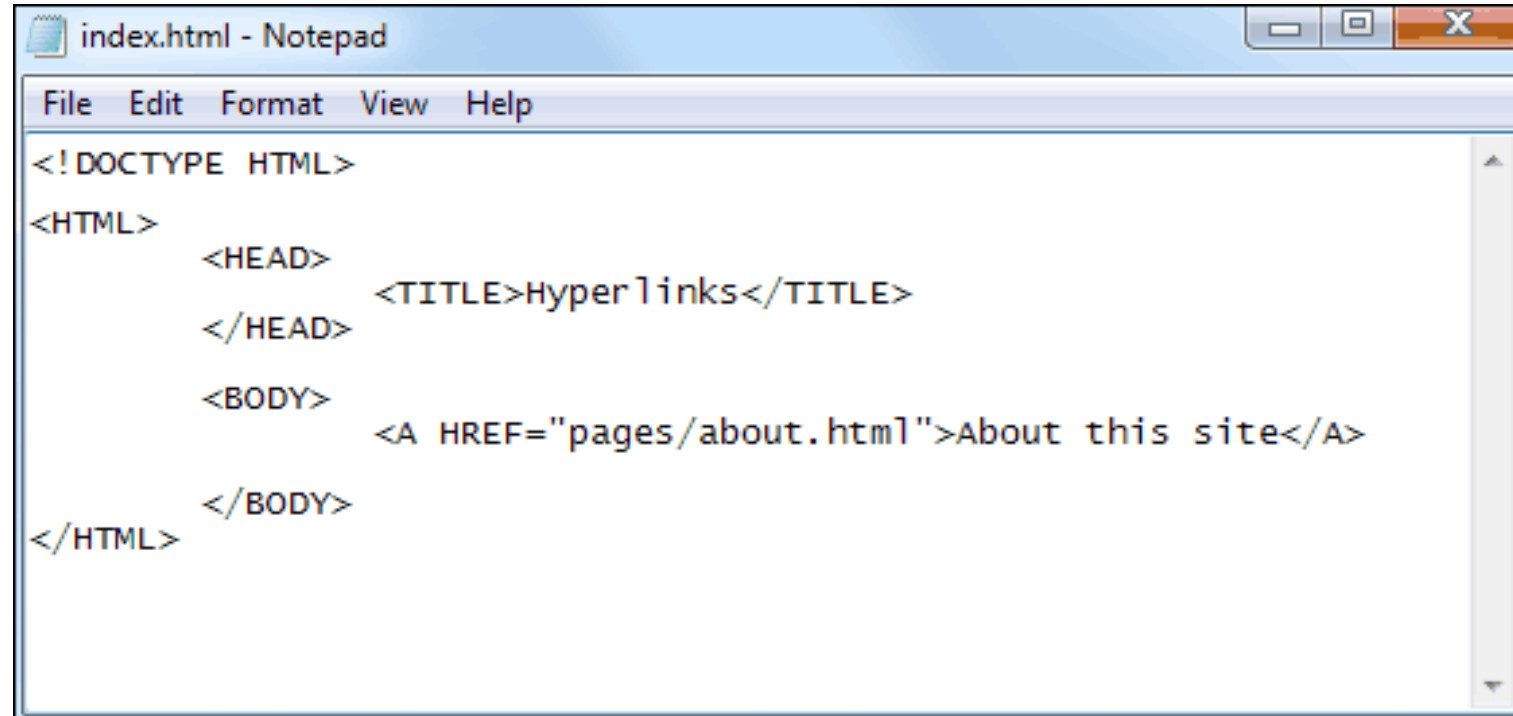
Hello User!

How are You? How to add Link in Html

Here, we will describe how to link the text in two different following ways:

1. Link the text to an another Html Page
2. Link the text to the section on the same page.

Hyperlink using anchor tag



```
index.html - Notepad
File Edit Format View Help
<!DOCTYPE HTML>
<HTML>
  <HEAD>
    <TITLE>Hyperlinks</TITLE>
  </HEAD>
  <BODY>
    <A HREF="pages/about.html">About this site</A>
  </BODY>
</HTML>
```


Tables in HTML

TABLES SYNTAX

<table>

<tr>

<td>cell 1</td>

<td>cell 2</td>

<td>cell 3</td>

</tr>

<tr>

<td>cell 4</td>

<td>cell 5</td>

<td>cell 6</td>

</tr>

</table>

HTML TABLES

cell 1	cell 2	cell 3
cell 4	cell 5	cell 6



TABLE

Rowspan/Colspan in HTML

A test table with merged cells

	Average		Red eyes
	height	weight	
Males	1.9	0.003	40%
Females	1.7	0.002	43%

```
<TABLE border="1"
    summary="This table gives some statistics about fruit
            flies: average height and weight, and percentage
            with red eyes (for both males and females).">
<CAPTION><EM>A test table with merged cells</EM></CAPTION>
<TR><TH rowspan="2"><TH colspan="2">Average
    <TH rowspan="2">Red<BR>eyes
<TR><TH>height<TH>weight
<TR><TH>Males<TD>1.9<TD>0.003<TD>40%
<TR><TH>Females<TD>1.7<TD>0.002<TD>43%
</TABLE>
```

A test table with merged cells			
	Average		Red eyes
	height	weight	
Males	1.9	0.003	40%
Females	1.7	0.002	43%

Images

```

```

The img element



UPES in Media

Follow Us On



CAMPUS - ENERGY ACRES

P.O. Bidholi Via
PremnagarDehradun-248007

CAMPUS - KNOWLEDGE
ACRES

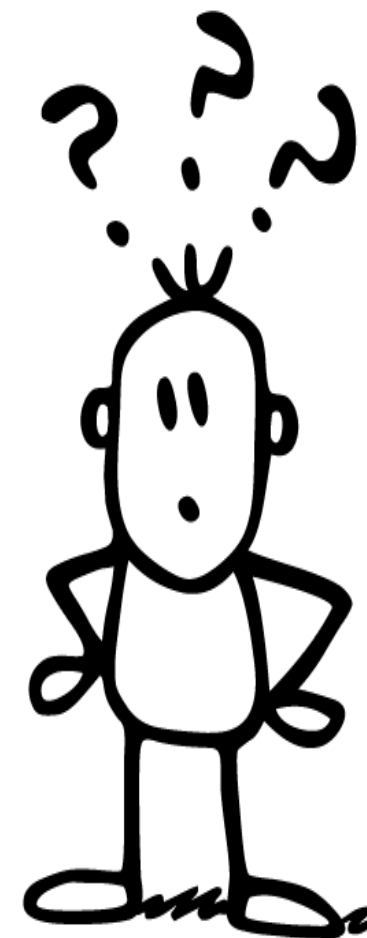
P.O. Kandoli Via
Premnagar,Dehradun-248007

CORPORATE OFFICE

UPES, Upper Ground & First
Floor, Greater Kailash-II, New
Delhi-110048

CONTACT

TOLL FREE:
Email:enroll
For Internat



Forms

1. `<input type=`
 text/password/email/radio/checkbox/submit/reset/button/file
 color/date/number(min and max)/search/tel/>

-- id

-- name

-- text

-- value

```
<form>
  <label>Enter your Name:</label>
  <input type="text" name="name">
  <p>Kindly Select your favourite sports</p>
  <input type="checkbox" name="sport1" value="cricket">Cricket<br>
  <input type="checkbox" name="sport2" value="tennis">Tennis<br>
  <input type="checkbox" name="sport3" value="football">Football<br>
  <input type="checkbox" name="sport4" value="baseball">Baseball<br>
  <input type="checkbox" name="sport5" value="badminton">Badminton<br><br>
  <input type="submit" value="submit">
</form>
```

Input "checkbox" type

Registration Form

Enter your Name:

Kindly Select your favorite sports

- ☐ Cricket
- ☐ Tennis
- ☐ Football
- ☐ Baseball
- ☐ Badminton

2. `<label>`

3. `<textarea>` - used for multiple-line text

4. `<fieldset>` - used to group the related information of a form



Personal Details

Salutation


--None-- ▼

First name:

Last name:

Gender : ☐ Male ☐ Female

Email:

Date of Birth: 

Address :

Submit

Forms in HTML

```
<form>
<fieldset>
  <legend>Personal Details</legend>
  <p>
    <label>
      Salutation
      <br />
      <select name="salutation">
        <option>--None--</option>
        <option>Mr.</option>
        <option>Ms.</option>
        <option>Mrs.</option>
        <option>Dr.</option>
        <option>Prof.</option>
      </select>
    </label>
  </p>
```

```
<p>
<label>First name: <input name="firstName" /></label>
</p>
<p>
<label>Last name: <input name="lastName" /></label>
</p>
```

Personal Details

Salutation
--None--

First name:

Last name:

Gender :
Male
Female

Email:

Date of Birth:
dd/mm/yyyy

Address :

Submit


```

<p>
  Gender :
  <label><input type="radio" name="gender" value="male" /> Male</label>
  <label><input type="radio" name="gender" value="female" /> Female</label>
</p>
<p>
  <label>Email:<input type="email" name="email" /></label>
</p>
<p>
  <label>Date of Birth:<input type="date" name="birthDate"></label>
</p>
<p>
  <label>
    Address :
    <br />
    <textarea name="address" cols="30" rows="3"></textarea>
  </label>
</p>
<p>
  <button type="submit">Submit</button>
</p>

</fieldset>
</form>

```

Personal Details

Salutation
--None--

First name:

Last name:

Gender :
☐ Male
☐ Female

Email:

Date of Birth:
dd/mm/yyyy

Address :

Submit



Project Management

Project Name

Assigned to

Start Date

End Date

Priority

☐ High ☐ Average ☐ Low

Description

Submit

Clear

Can you list some tags you have worked on.....

Waiting for responses ...



ACTiViTy
Time

LAYOUTS 101



Cascading Style Sheet

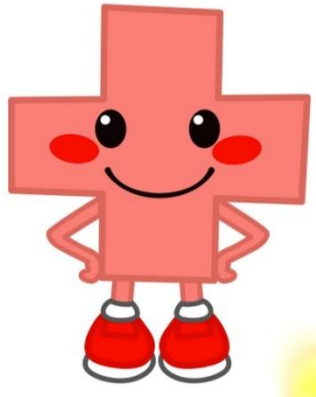
```
<h1 style="color:red; font-size:30px;">This is a heading</h1>
<p style="color:green; font-size:22px;">This is a paragraph.</p>
<div style="color:blue; font-size:14px;">This is some text content.</div>
```

- **Inline CSS:** Define CSS properties using style attribute in the HTML elements.
- **Internal or Embedded CSS:** Define CSS using <style> tag in <head> section.
- **External CSS:** Define all CSS property in a separate .css file, and then include the file with HTML file using tag in section.

```
<html lang="en">
<head>
  <title>My HTML Document</title>
  <link rel="stylesheet" href="css/style.css">
</head>
<body>
  <h1>This is a heading</h1>
  <p>This is a paragraph of text.</p>
</body>
</html>
```

```
<html lang="en">
<head>
  <title>My HTML Document</title>
  <style>
    body { background-color: YellowGreen; }
    p { color: #fff; }
  </style>
</head>
<body>
  <h1>This is a heading</h1>
  <p>This is a paragraph of text.</p>
</body>
</html>
```

Interesting HTML5 Features



- New semantic elements like

`<header>`, `<footer>`, `<article>`, and `<section>`

- New form controls like

`number`, `date`, `time`, `calendar`, and `range`

- New graphic elements

`<svg>` and `<canvas>`

- New multimedia elements

`<audio>` and `<video>`



REMOVED

Element	Use instead
<code><frame></code>	
<code><frameset></code>	
<code><noframes></code>	
<code><strike></code>	CSS
<code><tt></code>	CSS

*Thank
you*

