



Government Engineering College Dahod  
Computer Engineering Department  
6<sup>th</sup> Semester Course on WEB Programming (3160713)

# GOVERNMENT ENGINEERING COLLEGE DAHOD

Affiliated to GUJARAT TECHNOLOGICAL UNIVERSITY

## COMPUTER ENGINEERING DEPARTMENT



# CERTIFICATE

This is to certify that **Yadav Rohit Jay** bearing enrolment number **190183107010** has satisfactorily completed the term work under the program B.E Computer Engineering of 6<sup>th</sup> semester course WEB Programming (3160713) for term EVEN 2020 - 21 ending in April 2021.

Date of Submission

\_\_\_/\_\_\_/\_\_\_

Sign of Faculty

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Name of Student: Yadav Rohit Jay

Enroll No: 190183107010

Subject: WEB Programming

Subject Code: 31607013

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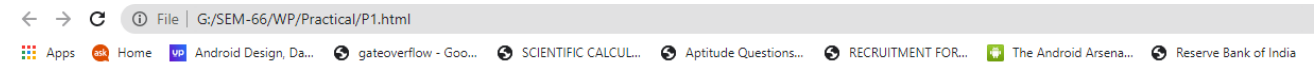
## PRACTICAL:1

**AIM: Design a web page using different text formatting tags to print Hello world in bold & italic font...**

❖ **P1.html:**

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Practical-1</title>
</head>
<body>
<div align="center" >
<b>Hello World</b></br>
<em>Hello World</em></br>
<i>Hello World</i></br>
<small>Hello World</small></br>
<strong>Hello World</strong></br>
<sub>Hello World</sub></br>
<sup>Hello World</sup></br>
<ins>Hello World</ins></br>
<del>Hello World</del></br>
<mark>Hello World</mark></br>
</div>
</body> </html>
```

❖ Output:



**Hello World**

*Hello World*

*Hello World*

Hello World

**Hello World**

Hello World

Hello World

Hello World

~~Hello World~~

Hello World

❖ Tags:

1) <html>

- HTML is a **markup** language for **describing** web documents (web pages).

2) <head>

- The <head> element is a container for all the head elements.
- The <head> element can include a title for the document, scripts, styles, meta information, and more.

3) <title>

- The <title> tag is required in all HTML documents and it defines the title of the document.

**4) <body>**

- The <body> tag defines the document's body.
- The <body> element contains all the contents of an HTML document, such as text, hyperlinks, images, tables, lists, etc.

**5) <div>**

- The <div> tag defines a division or a section in an HTML document.

<a href="#"><u>&lt;b&gt;</u></a>	Defines bold text
<a href="#"><u>&lt;em&gt;</u></a>	Defines emphasized text
<a href="#"><u>&lt;i&gt;</u></a>	Defines italic text
<a href="#"><u>&lt;small&gt;</u></a>	Defines smaller text
<a href="#"><u>&lt;strong&gt;</u></a>	Defines important text
<a href="#"><u>&lt;sub&gt;</u></a>	Defines subscripted text
<a href="#"><u>&lt;sup&gt;</u></a>	Defines superscripted text
<a href="#"><u>&lt;ins&gt;</u></a>	Defines inserted text
<a href="#"><u>&lt;del&gt;</u></a>	Defines deleted text
<a href="#"><u>&lt;mark&gt;</u></a>	Defines marked/highlighted text

## PRACTICAL:2

**AIM: Write an HTML program that demonstrates different heading styles and paragraph.**

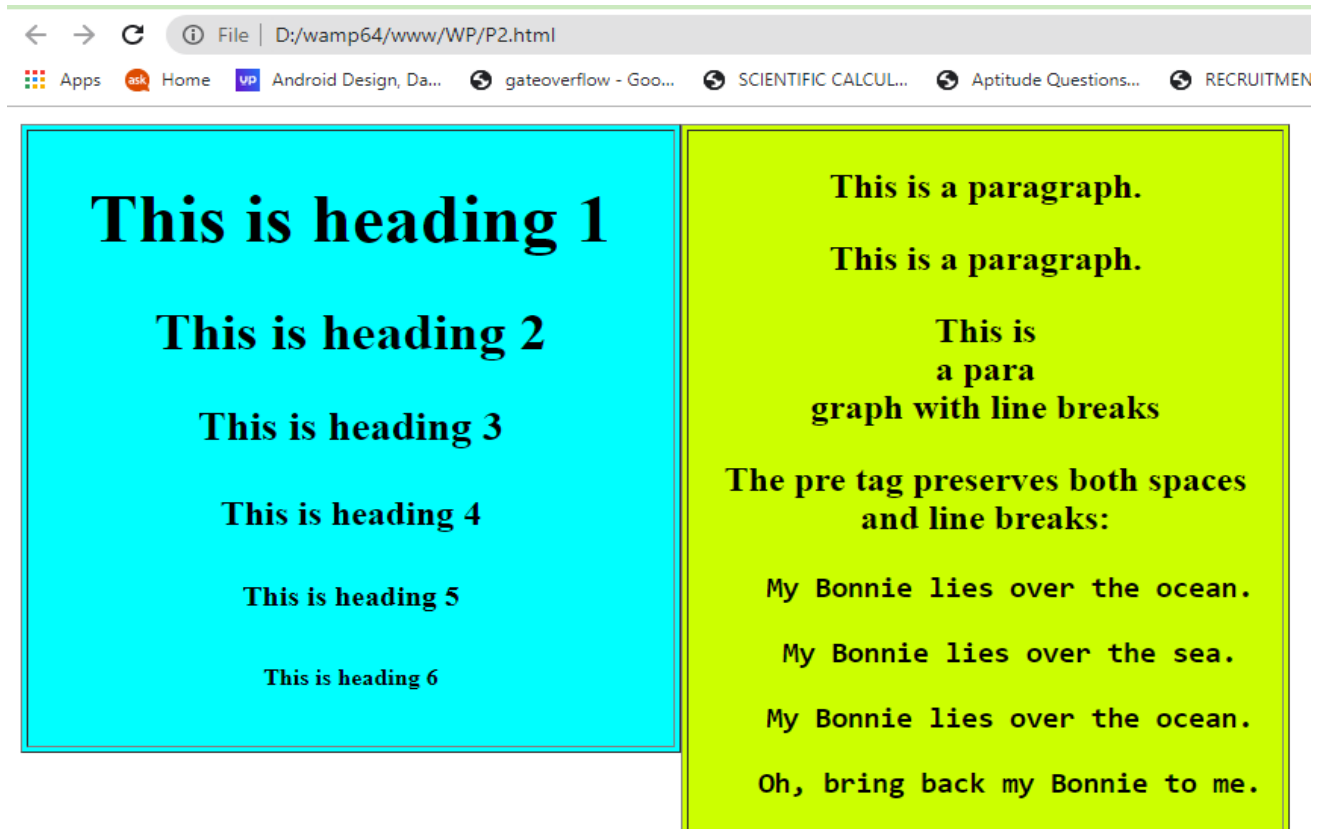
❖ **P2.html:**

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Practical-2</title>
</head>
<body>
<div style="float:left;" >
<table border="1" style="background-color:#00FFFF">
<th width="281">
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
<h4>This is heading 4</h4>
<h5>This is heading 5</h5>
<h6>This is heading 6</h6>
</th>
</table>
</div>
<div style="float:center" >
<table border="1" width="30%" style="background-color:#CCFF00">
```



```
<th height="94">
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
<p>This is<br>a para<br>graph with line breaks</p>
<p>The pre tag preserves both spaces and line breaks:</p>
<pre>
  My Bonnie lies over the ocean.
  My Bonnie lies over the sea.
  My Bonnie lies over the ocean.
  Oh, bring back my Bonnie to me.
</pre>
</th>
</table>
</div>
</body>
</html>
```

## ❖ Output:



The screenshot shows a web browser window with the address bar displaying 'D:/wamp64/www/WP/P2.html'. The browser's tab bar shows several open tabs: 'Apps', 'Home', 'Android Design, Da...', 'gateoverflow - Goo...', 'SCIENTIFIC CALCUL...', 'Aptitude Questions...', and 'RECRUITMEN'. The main content area is divided into two colored boxes. The left box is cyan and contains five lines of text, each preceded by a heading tag: **This is heading 1**, **This is heading 2**, **This is heading 3**, **This is heading 4**, and **This is heading 5**. The right box is yellow and contains three lines of text: **This is a paragraph.**, **This is a paragraph.**, and **This is a paragraph with line breaks**. Below these, there is a line of text: **The pre tag preserves both spaces and line breaks:**, followed by four lines of text: **My Bonnie lies over the ocean.**, **My Bonnie lies over the sea.**, **My Bonnie lies over the ocean.**, and **Oh, bring back my Bonnie to me.**

**❖ Tags:****6) <table>**

- The <table> tag defines an HTML table.

<b>Tag</b>	<b>Description</b>
<b>&lt;p&gt;</b>	Defines a paragraph
<b>&lt;br&gt;</b>	Inserts a single line break
<b>&lt;pre&gt;</b>	Defines pre-formatted text
<b>&lt;h1&gt; to &lt;h6&gt;</b>	Defines HTML headings
<b>&lt;hr&gt;</b>	Defines a horizontal line

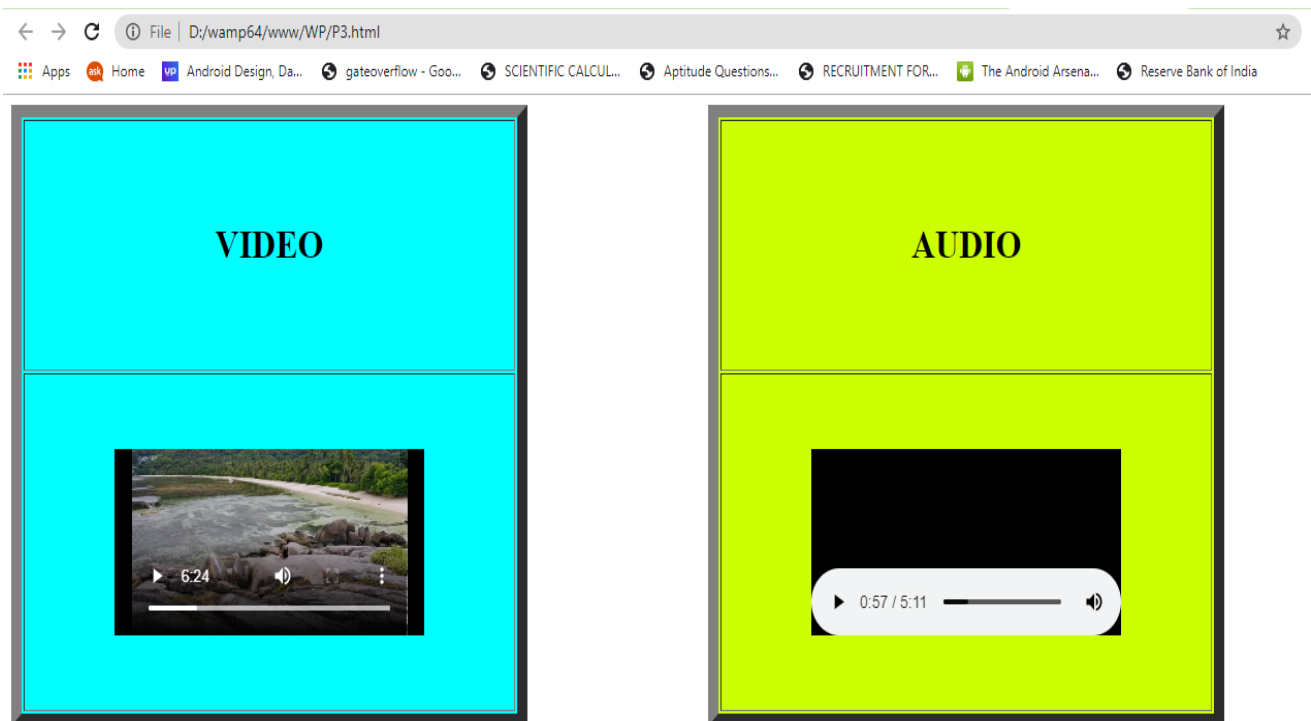
## PRACTICAL:3

**AIM: Write HTML codes to attach audio video on webpage using embed tag in html.**

❖ P3.html:

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Practical-3</title>
</head>
<body>
<table border="10" style="background-color:#00FFFF;float:left;height:500px;width:500px">
<tr><th><h1>VIDEO</h1></th></tr>
<td align="center">
<embed src="H:\MEDITATION\Tibetan Healing Sounds- Cleans the Aura and Space. Removes all
negative energy.mp4">
</td>
</table>

<table border="10" align="center" style="background-
color:#CCFF00;height:500px;width:500px">
<tr><th><h1>AUDIO</h1></th></tr>
<th align="center">
<embed src="H:\MUSIC\01. Mera Rang De Basanti.mp3">
</th>
</table></body></html>
```

**❖ Output:****❖ Tags:****7) <embed>**

- The <embed> tag defines a container for an external application or interactive content (a plug-in).

## PRACTICAL:4

**AIM: Design a web page with hyperlinks to different pages and allow navigation between web pages.**

❖ Program:

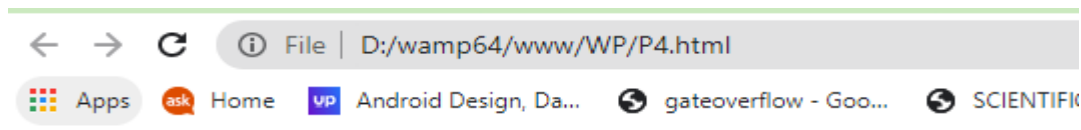
### P4.html

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Practical-4</title>
</head>
<body>
<h1>PAGE 1</h1>
<a href="Page2.html" target="_blank">Page 2</a> </body>
</html>
```

### Page2.html

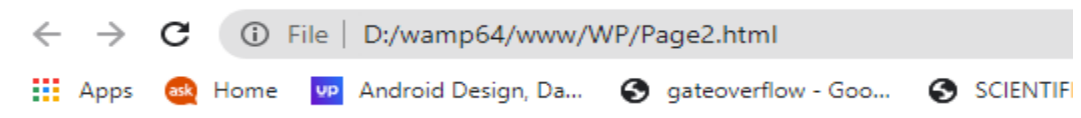
```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Practical-4</title>
</head>
<body>
<h1>PAGE 2</h1>
<a href="P4.html" target="_blank">Page 1!</a> </body> </html>
```

❖ Output:



# PAGE 1

Page 2



# PAGE 2

Page 1!

## ❖ Tags:

**8) HTML Links - Hyperlinks**

- In HTML, links are defined with the <a> tag:
- Use the HTML <a> element to define a link
- Use the HTML href attribute to define the link address
- Use the HTML target attribute to define where to open the linked document
- Use the HTML <img> element (inside <a>) to use an image as a link
- Use the HTML id attribute (id="value") to define bookmarks in a page
- Use the HTML href attribute (href="#value") to link to the bookmark

Target Value	Description
_blank	Opens the linked document in a new window or tab
_self	Opens the linked document in the same frame as it was clicked (this is default)
_parent	Opens the linked document in the parent frame
_top	Opens the linked document in the full body of the window
<i>framename</i>	Opens the linked document in a named frame



## PRACTICAL:5

**AIM: Write an HTML program to demonstrate the use of ordered list and unordered list with its type. (Circle, disk, square)**

❖ **P5.html:**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>Practical-4</title>

</head>

<body>

<table border="10" style="background-color:#00FFFF;float:left;height:500px;width:500px">

<tr><th bgcolor="#CCCC33"><h2>Unordered List</h2></th></tr>

<td>

<h2>Unordered List without Bullets</h2>

<ul style="list-style-type:none">

<li>Coffee</li>

<li>Tea</li>

<li>Milk</li>

</ul>

<h2>Unordered List with Default Bullets</h2>

<ul>

<li>Coffee</li>
```

```
<li>Tea</li>
```

```
<li>Milk</li>
```

```
</ul>
```

```
<h2>Unordered List with Square Bullets</h2>
```

```
<ul style="list-style-type:square">
```

```
<li>Coffee</li>
```

```
<li>Tea</li>
```

```
<li>Milk</li>
```

```
</ul>
```

```
<h2>Unordered List with Circle Bullets</h2>
```

```
<ul style="list-style-type:circle">
```

```
<li>Coffee</li>
```

```
<li>Tea</li>
```

```
<li>Milk</li>
```

```
</ul>
```

```
<h2>Unordered List with Disc Bullets</h2>
```

```
<ul style="list-style-type:disc">
```

```
<li>Coffee</li>
```

```
<li>Tea</li>
```

```
<li>Milk</li>
```

```
</ul>
```

```
</td>
```

```
</table>
```

```
<table border="10" align="center" style="background-  
color:#CCFF00;height:500px;width:500px">  
  
<tr><th bgcolor="#CCCC33"><h2>Ordered List</h2></th></tr>  
  
<td>  
  
<h2>Ordered List with Numbers</h2>  
  
<ol type="1">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>  
  
<h2>Ordered List with Letters</h2>  
  
<ol type="A">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>  
  
<h2>Ordered List with Lowercase Letters</h2>  
  
<ol type="a">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>  
  
<h2>Ordered List with Roman Numbers</h2>  
  
<ol type="I">  
  <li>Coffee</li>  
  <li>Tea</li>
```

```
<li>Milk</li>
</ol>
<h2>Ordered List with Lowercase Roman Numbers</h2>
<ol type="i">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
</td>
</table>
</body>
</html>
```

## ❖ Output:

← → ↻ File | D:/wamp64/www/WP/P5.html

Apps Home VP Android Design, Da... gateoverflow - Goo... SCIENTIFIC CALCUL... Aptitude Questions... RECRUITMENT FOR... The Android Arsen...

### Unordered List

#### Unordered List without Bullets

- Coffee
- Tea
- Milk

#### Unordered List with Default Bullets

- Coffee
- Tea
- Milk

#### Unordered List with Square Bullets

- Coffee
- Tea
- Milk

#### Unordered List with Circle Bullets

- Coffee
- Tea
- Milk

#### Unordered List with Disc Bullets

- Coffee
- Tea
- Milk

### Ordered List

#### Ordered List with Numbers

- Coffee
- Tea
- Milk

#### Ordered List with Letters

- Coffee
- Tea
- Milk

#### Ordered List with Lowercase Letters

- Coffee
- Tea
- Milk

#### Ordered List with Roman Numbers

- Coffee
- Tea
- Milk

#### Ordered List with Lowercase Roman Numbers

- Coffee
- Tea
- Milk

## ❖ Tags:

**9) HTML Links - Hyperlinks**

- Use the HTML <ul> element to define an unordered list
- Use the HTML style attribute to define the bullet style
- Use the HTML <ol> element to define an ordered list
- Use the HTML type attribute to define the numbering type
- Use the HTML <li> element to define a list item

**10) Unordered HTML Lists**

- An unordered list starts with the <ul> tag. Each list item starts with the <li> tag.

Style	Description
list-style-type:disc	The list items will be marked with bullets (default)
list-style-type:circle	The list items will be marked with circles
list-style-type:square	The list items will be marked with squares
list-style-type:none	The list items will not be marked

**11) Ordered HTML Lists**

- An ordered list starts with the **<ol>** tag. Each list item starts with the **<li>** tag.

Type	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	The list items will be numbered with uppercase letters
type="a"	The list items will be numbered with lowercase letters
type="I"	The list items will be numbered with uppercase roman numbers
type="i"	The list items will be numbered with lowercase roman numbers

## PRACTICAL:6

**AIM: Create an HTML page with frames that divides the page in 3 equal parts. One of the frames contain an image.**

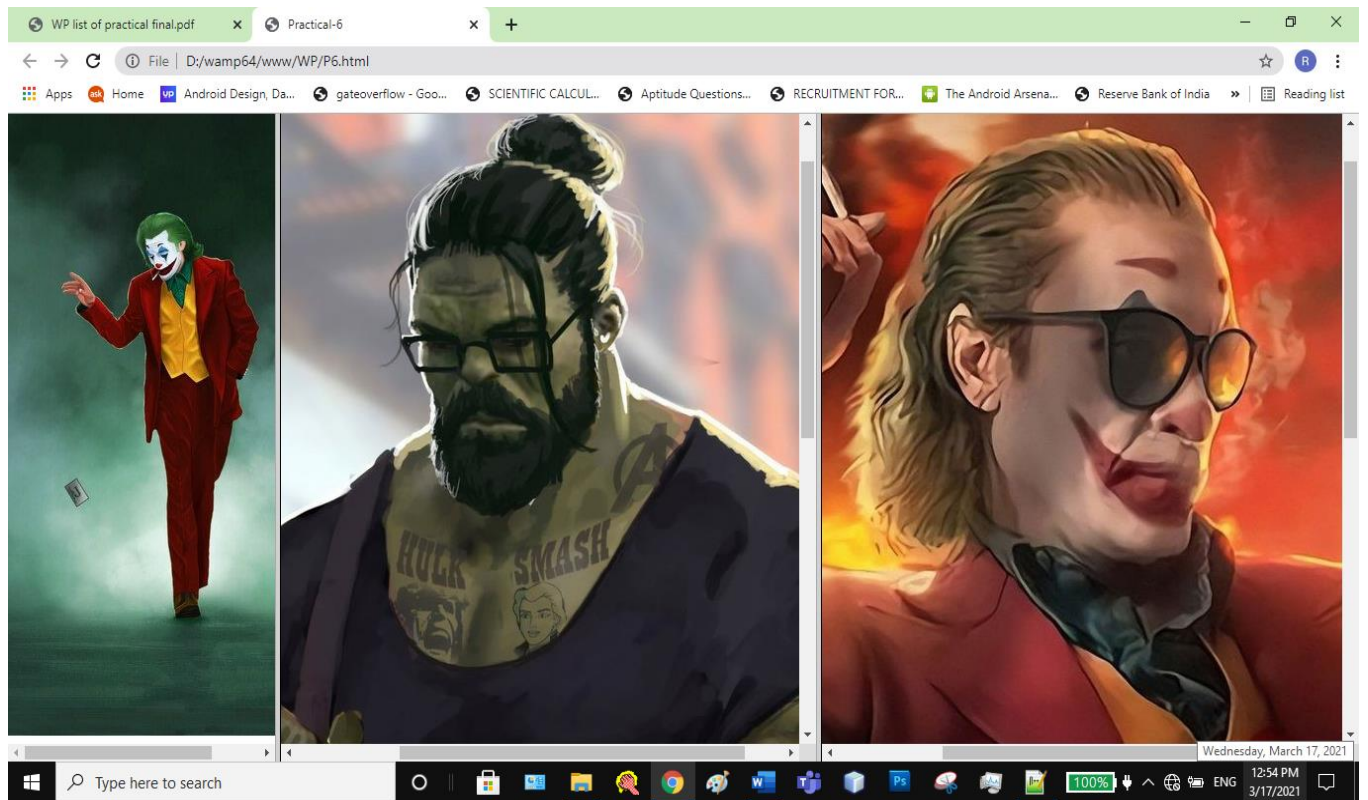
❖ **Program:**

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Practical-6</title>
</head>
<frameset cols="20%,40%,40%">
  <frame src="G:\D\IMG\19ed6c3d354b52ce191f01e09074bef1.jpg" >
  <frame src="G:\D\IMG\b98c9eebf12f820912094aeda51f0f3.jpg">
  <frame src="G:\D\IMG\325c125d7263450723c6254dac0c65a9.jpg">
</frameset>

</html>
```



❖ Output:



## ❖ Tags:

**12) HTML <frame> Tag. Not Supported in HTML5.**

- The <frame> tag is not supported in HTML5.
- The <frame> tag defines one particular window (frame) within a <frameset>.
- Each <frame> in a <frameset> can have different attributes, such as border, scrolling, the ability to resize, etc.

## ❖ Optional Attributes

Attribute	Value	Description
<a href="#">frameborder</a>	0 1	<b>Not supported in HTML5.</b> Specifies whether or not to display a border around a frame
<a href="#">longdesc</a>	URL	<b>Not supported in HTML5.</b> Specifies a page that contains a long description of the content of a frame
<a href="#">marginheight</a>	pixels	<b>Not supported in HTML5.</b> Specifies the top and bottom margins of a frame
<a href="#">marginwidth</a>	pixels	<b>Not supported in HTML5.</b> Specifies the left and right margins of a frame
<a href="#">name</a>	text	<b>Not supported in HTML5.</b> Specifies the name of a frame
<a href="#">noresize</a>	noresize	<b>Not supported in HTML5.</b> Specifies that a frame is not resizable

<a href="#">scrolling</a>	yes no auto	<b>Not supported in HTML5.</b> Specifies whether or not to display scrollbars in a frame
<a href="#">src</a>	<i>URL</i>	<b>Not supported in HTML5.</b> Specifies the URL of the document to show in a frame

## PRACTICAL:7

**AIM: Design a web page with Image tag.**

❖ **P7.html:**

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Practical-7</title>
</head>

<body>

<div style="float:left">

</div>

</body>
</html>
```

❖ **Output:**



## ❖ Tags:

**13) HTML <img> Tag**

- The <img> tag defines an image in an HTML page.
- The <img> tag has two required attributes: src and alt.
- Note: Images are not technically inserted into an HTML page, images are linked to HTML pages. The <img> tag creates a holding space for the referenced image.
- Tip: To link an image to another document, simply nest the <img> tag inside <a> tags.

## ❖ Attributes

Attribute	Value	Description
<a href="#">align</a>	top bottom middle left right	<b>Not supported in HTML5.</b> Specifies the alignment of an image according to surrounding elements
<a href="#">alt</a>	<i>text</i>	Specifies an alternate text for an image
<a href="#">border</a>	<i>pixels</i>	<b>Not supported in HTML5.</b> Specifies the width of the border around an image
crossorigin	anonymous use-credentials	Allow images from third-party sites that allow cross-origin access to be used with canvas
<a href="#">height</a>	<i>pixels</i>	Specifies the height of an image

<a href="#"><u>hspace</u></a>	<i>pixels</i>	<b>Not supported in HTML5.</b> Specifies the whitespace on left and right side of an image
<a href="#"><u>ismap</u></a>	ismap	Specifies an image as a server-side image-map
<a href="#"><u>longdesc</u></a>	<i>URL</i>	Specifies a URL to a detailed description of an image
<a href="#"><u>src</u></a>	<i>URL</i>	Specifies the URL of an image
<a href="#"><u>usemap</u></a>	<i>#mapname</i>	Specifies an image as a client-side image-map
<a href="#"><u>vspace</u></a>	<i>pixels</i>	<b>Not supported in HTML5.</b> Specifies the whitespace on top and bottom of an image
<a href="#"><u>width</u></a>	<i>pixels</i>	Specifies the width of an image

## PRACTICAL:8

**AIM: Design a web page with different tables. Design a webpage using table so that the content appears well placed.**

### ❖ P8.html:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<title>Practical-8</title>
```

```
<style>
```

```
table, th, td.t1{
```

```
    border: 1px solid black;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<table style="width:100%;background-color:#66FF33" >
```

```
<tr>
```

```
<td>Jill</td>
```

```
<td>Smith</td>
```

```
<td>50</td>
```



```
</tr>
```

```
<tr>
```

```
<td>Eve</td>
```

```
<td>Jackson</td>
```

```
<td>94</td>
```

```
</tr>
```

```
<tr>
```

```
<td>John</td>
```

```
<td>Doe</td>
```

```
<td>80</td>
```

```
</tr>
```

```
</table> <br />
```

```
<table border="1" style="width:100%;background-color:#00FF66">
```

```
<tr>
```

```
<td>Jill</td>
```

```
<td>Smith</td>
```

```
<td>50</td>
```

```
</tr>
```

```
<tr>
```

```
<td>Eve</td>
```

```
<td>Jackson</td>
```

```
<td>94</td>
```

```
</tr>
```

```
<tr>
```

```
<td>John</td>
```

```
<td>Doe</td>
```

```
<td>80</td>
```

```
</tr>
```

```
</table>
```

```
<br />
```

```
<table class="t1" style="background-color:#CCCC33;width:100%">
```

```
<tr>
```

```
<th>Firstname</th>
```

```
<th>Lastname</th>
```

```
</tr>
```

```
<tr>
```

```
<td>Peter</td>
```

```
<td>Griffin</td>
```

```
</tr>
```

```
<tr>
```

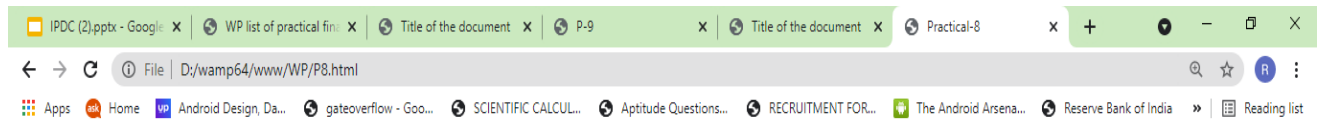
```
<td>Lois</td>
```

```
<td>Griffin</td>
```

```
</tr>
```

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

## ❖ Output:



Jill	Smith	50
Eve	Jackson	94
John	Doe	80

Jill	Smith	50
Eve	Jackson	94
John	Doe	80

Firstname	Lastname
Peter	Griffin
Lois	Griffin

## Practical:9

**AIM: Design a web page with a form that uses all types of input elements (textbox, radio button, checkbox, dropdown, button etc.)**

### **P9.html**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
```

```
<title>P-9</title>
```

```
<style>
```

```
input[type=text],input[type=email],textarea{
```

```
    width: 100%;
```

```
    padding: 8px 15px;
```

```
    margin: 3px 0;
```

```
    box-sizing: border-box;
```

```
    border: 2px solid red;
```

```
    border-radius: 4px;
```

```
        font-size:18px;
```

```
}
```

```
select {
```

```
    width: 100%;
```

```
    padding: 16px 20px;
```

```
border: none;
border-radius: 4px;
background-color: #f1f1f1;
}
input[type=submit],input[type=reset] {
width: 100%;
background-color: #4CAF50;
color: white;
padding: 14px 20px;
margin: 8px 0;
border: none;
border-radius: 4px;
cursor: pointer;
}

input[type=submit]:hover ,input[type=reset]:hover {
background-color: #45a049;
}

div {
border-radius: 5px;
background-color: #f2f2f2;
padding: 40px;
}

</style>
```

```
</head>
```

```
<body>
```

```
<div align="center" >
```

```
<form method="post">
```

```
<table border="25" cellpadding="10" bgcolor="#CCFF99" style="width:80%;border:solid 15px">
```

```
<tr><th colspan="2" align="center" style="font-size:36px" >STUDENT REGISTRATION FORM</th></tr>
```

```
<tr>
```

```
<th align="left">
```

First Name

```
</th>
```

```
<td><input type="text" name="fname" id="fname" placeholder="Enter First Name" /></td>
```

```
</tr>
```

```
<tr>
```

```
<th align="left">
```

Email-Id

```
</th>
```

```
<td><input type="email" name="email" id="email" placeholder="Enter Email Id" /></td>
```

```
</tr>
```

```
<tr>
```

```
<th align="left">
```

Mobile Number

```
</th>
```

```
<td><input type="text" name="mobile" id="mobile" placeholder="Enter Mobile Number"
/></td>

</tr>

<tr>

<th align="left">Gender</th>

<td align="left" >

Male <input class="a" type="radio" name="Gender" value="Male" />
Female <input class="a" type="radio" name="Gender" value="Female" />

</td>

</tr>

<tr>

<th align="left">Address</th>

<td><textarea name="address" ></textarea></td>

</tr>

<tr><th align="left">CITY</th>

<td>

<select name="city" style="font-size:16px;width:85%">

<option value="SURAT" >SURAT</option>

<option value="VAPI">VAPI</option>

<option value="VALSAD">VALSAD</option>

</td>

</tr>

<tr><th align="left">HOBBIES</th>

<td>

Drawing<input type="checkbox" name="draw" value="Drawing" />
```

```
Reading<input type="checkbox" name="read" value="reading" />
</td>
</tr>
<tr>
<th align="center" colspan="2">
<input type="submit" style="font-size:25px" name="submit" value="SUBMIT" />
<input type="reset" style="font-size:25px" name="reset" value="RESET" />
</th>
</tr>

</table>

</form>
</div>
</body>
</html>
```



## ❖ Output:

**STUDENT REGISTRATION FORM**

First Name	<input type="text" value="Enter First Name"/>
Email-Id	<input type="text" value="Enter Email Id"/>
Mobile Number	<input type="text" value="Enter Mobile Number"/>
Gender	Male <input type="radio"/> Female <input type="radio"/>
Address	<input type="text"/>
CITY	<input type="text" value="SURAT"/>
HOBBIES	Drawing <input type="checkbox"/> Reading <input type="checkbox"/>

**SUBMIT**

**RESET**

IPDC (2).pptx - Google Slides x WP list of practical final.pdf x Title of the document x P-9 x +

File | D:/wamp64/www/WP/P9/P9.html

Apps Home VP Android Design, Da... gateoverflow - Goo... SCIENTIFIC CALCUL... Aptitude Questions... RECRUITMENT FOR... The Android Arsen... Reserve Bank of India Reading list

### STUDENT REGISTRATION FORM

First Name	<input type="text" value="ROHIT"/>
Email-Id	<input type="text" value="ROhit@gmail.com"/>
Mobile Number	<input type="text" value="9874563210"/>
Gender	Male <input checked="" type="radio"/> Female <input type="radio"/>
Address	<input type="text" value="surat, gujarat"/>
CITY	<input type="text" value="SURAT"/>
HOBBIES	Drawing <input checked="" type="checkbox"/> Reading <input checked="" type="checkbox"/>

SUBMIT

RESET

## Practical:10

**AIM: Design a simple web page using HTML5 semantic elements.**

❖ **p10.html:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Title of the document</title>
```

```
<style>
```

```
li
```

```
{
```

```
display: inline-block;
```

```
margin-right: 10px;
```

```
color: #778899;
```

```
}
```

```
.header
```

```
{
```

```
height: 40px;
```

```
padding: 20px 20px ;
```

```
background: #666;
```

```
color:white;
```

```
}  
  
.main-content  
  
{  
  
    height: 60vh;  
  
    padding: 20px;  
  
}  
  
footer  
  
{  
  
    padding: 10px 20px;  
  
    background: #666;  
  
    color: white;  
  
}  
  
a  
  
{  
  
    color: #00aaff;  
  
}  
  
</style>  
</head>  
<body>  
  
  
  
<!-- Header Tag Start Here -->  
  
<header class="header">
```

```
<nav>

<ul style="padding:0;">

  <li> <a href="#">Home</a> </li>

  <li> <a href="https://www.w3schools.com/html/" target="_blank">HTML</a> </li>

  <li> <a href="https://css-tricks.com/" target="_blank">CSS</a> </li>

  <li> <a href="https://www.javascript.com/">JavaScript</a> </li>

  <li> <a href=https://www.php.net/>PHP</a> </li>

</ul>

</nav>

</header>
```

```
<!-- Section Tag Start Here -->
```

```
<section>
```

```
<h1>Hypertext markup language HTML</h1>
```

<p>HTML is the standard markup language for creating web pages and web applications. Browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.</p>

```
</section>
```

```
<section>
```

```
<h1>CSS</h1>
```

<p>A formal language that is used as a description zone, formatting the appearance of a web page written with the help of markup languages HTML and XHTML but it can be applied to any XML-document, for example, to SVG or XUL.</p>

</section>

<!-- Article Tag Start Here -->

<article>

<h1>Title of the article</h1>

<p>Text of the article</p>

</article>

<!-- Aside Tag Start Here -->

<aside>

<h4>Game of Thrones</h4>

<p>Game of Thrones is an American fantasy drama television series created by David Benioff and D. B. Weiss. It is an adaptation of A Song of Ice and Fire, George R. R. Martin's series of fantasy novels</p>

</aside>

<!-- Footer Tag Start Here -->

<footer>

<p>Company © ROHIT PVT LTD. All rights reserved.</p>

</footer>

`<address>`

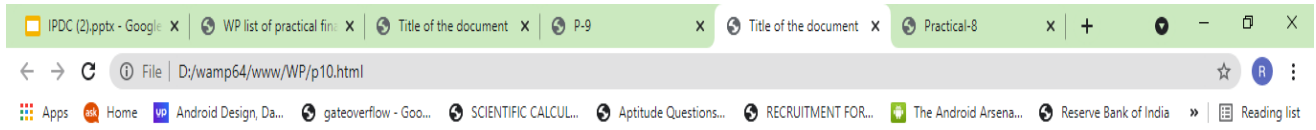
Author: ROHIT<br />

`<a href="mailto:info@rohit.com">Send Mail to the Developer</a>`

`</address>`

`</body>`

`</html>`

**❖ Output:****Hypertext markup language HTML**

HTML is the standard markup language for creating web pages and web applications. Browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

**CSS**

A formal language that is used as a description zone, formatting the appearance of a web page written with the help of markup languages HTML and XHTML but it can be applied to any XML-document, for example, to SVG or XUL.

**Title of the article**

Text of the article

**Game of Thrones**

Game of Thrones is an American fantasy drama television series created by David Benioff and D. B. Weiss. It is an adaptation of A Song of Ice and Fire, George R. R. Martin's series of fantasy novels

Company © ROHIT PVT LTD. All rights reserved.

Author: *ROHIT*

[Send Mail to the Developer](#)



## Practical:11

**AIM: Write a program that prints factorial/Fibonacci series.**

❖ **p11.html:**

```
<!DOCTYPE HTML>

<html>

<head>

    <title>

        Factorial and Fibonacci of a number using JavaScript

    </title>

</head>

<body style = "text-align:center;">

<script type = "text/javascript">

function fibonacci(num)

{

    var num1=0;

    var num2=1;

    var sum;

    var i=0;

    for (i = 0; i < num; i++)

    {

        sum=num1+num2;
```

```
    num1=num2;

    num2=sum;

}

return num2;

}

function Factorial(n)

    {

        if (n === 0)

        {

            return 1;

        }

        else

        {

            return n * Factorial( n - 1 );

        }

    }

}

document.write("Fibonacci(5): "+fibonacci(5)+"<br>");

document.write("Factorial(5): "+Factorial(5)+"<br>");

</script>

</body>

</html>
```

❖ Output:

← → ↻ ⓘ File | G:/SEM--6/WP/Practical/Lab%20Practical%20Code/p11.html

Apps ask Home up Android Design, Da... gateoverflow - Goo... SCIENTIFIC CALCUL... Aptitude Questions... RECRUITMENT FOR... The Android Arsen.

Fibonacci(5): 8  
Factorial(5): 120

## Practical:12

**AIM: Design a form and validate all the controls placed on the form using Java Script.**

### ❖ p12.html:

```
<!DOCTYPE html> <html> <head>
```

```
<style>
```

```
input[type=text], select {
```

```
    width: 100%;
```

```
    padding: 12px 20px;
```

```
    margin: 8px 0;
```

```
    display: inline-block;
```

```
    border: 1px solid #ccc;
```

```
    border-radius: 4px;
```

```
    box-sizing: border-box;
```

```
}
```

```
input[type=submit] {
```

```
    width: 100%;
```

```
    background-color: #4CAF50;
```

```
    color: white;
```

```
    padding: 14px 20px;
```

```
margin: 8px 0;

border: none;

border-radius: 4px;

cursor: pointer;

}
```

```
input[type=submit]:hover {

    background-color: #45a049;

}
```

```
div {

    border-radius: 5px;

    background-color: #f2f2f2;

    padding: 40px;

}
```

</style>

```
<script> function validateForm() {

var name = document.forms["myForm"]["fname"].value;

var gender = document.forms["myForm"]["gender"].value;

var age = document.forms["myForm"]["age"].value;

var a = parseInt(age);

var email = document.forms["myForm"]["email"].value;
```

```
var url = document.forms["myForm"]["website"].value;

var country = document.forms["myForm"]["country"].value;

var mobileCountry = document.forms["myForm"]["mobileCountry"].value;

var mcLength = mobileCountry.length;
```

```
if (name == "") {

    alert("Name Field is mandatory");

    return false;

}

if (gender != "male" && gender != "female") {

    alert("Atleast one Gender has to be chosen");

    return false;

}

if(isNaN(a)){

    alert("Age is compulsory and must be a number");

    return false;

}
```

```
if(email == ""){

    alert("Email address is required");

}
```

```
}  
  
else if(/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/).test(email)){  
  
} else{  
    alert("Email address entered is invalid");  
    return false;  
}  
  
if(/^(ftp|http|https):\/\/\[^\ ]+$/).test(url)){  
  
} else{  
    alert("Website url entered is invalid");  
    return false;  
}  
  
if(country != "choose"){  
    document.getElementById("mc").style.display = "block";  
} else{  
    document.getElementById("mc").style.display = "none";  
}  
  
if(mcLength != 10){  
    alert("Number must be ten digits");  
    return false;
```

```
}
```

```
} function displaySocial(){    var social =  
document.getElementById("social");  
  
    var mc = document.getElementById("mobileCountry");  
  
    var country = document.getElementById("country");  
    var selectedValue = country.options[country.selectedIndex].value;  
if (selectedValue != "choose") {  
    if(selectedValue == "india"){  
        if(social.style.display = "none"){  
            social.style.display = "block";  
        } else{  
            social.style.display = "none";  
        } } else{  
            social.style.display = "none"; }  
  
if(mc.style.display = "none"){  
  
    mc.style.display = "block";  
        } else{  
            mc.style.display = "none"; } } else{
```



```
mc.style.display = "none"; }

} </script> </head>

<body>

<form      name="myForm"      action="/action_page_post.php"      onsubmit="return
validateForm()" method="post">

Name: <input type="text" name="fname"><br>

Gender: <input type="radio" name="gender" value="male">

Male <input type="radio" value="female" name="gender">

Female <br>

Age: <input type="text" name="age"><br>

Emailmail: <input type="text" name="email"><br>

Websiteeb site: <input type="text" name="website"><br>

Countryountry: <select type="text" name="country" id="country"
onclick="displaySocial()">

<option value="choose">--choose--</option>

<option value="usa">USA</option>

<option value="uk">UK</option>

<option value="ng">Nigeria</option>

<option value="india">India</option>

</select><br> <span id="mobileCountry" style="display: none;">

Mobile country: <input type="text" name="mobileCountry"><br></span>

<span id="social" style="display: none;">
```

Social Media: <input type="radio" name="gender">

Facebook <input type="radio" name="gender">

Google <input type="radio" name="gender">

Twitter</span> <br> <p> <input type="submit" value="Submit">

</form> <p id="error"></p> </body> </html>

**❖ Output:**

The screenshot shows a web browser window with multiple tabs. The active tab is titled 'p12.html'. The address bar shows the file path 'G:/SEM--6/WP/Practical/Lab%20Practical%20Code/p12.html'. The form contains the following elements:

- Name: A text input field.
- Gender: Two radio buttons labeled 'Male' and 'Female'.
- Age: A text input field.
- Email: A text input field.
- Website: A text input field.
- Country: A dropdown menu with '--choose--' selected.
- Submit: A large green button.

The screenshot shows the same web browser window, but now a validation error message is displayed over the 'Name' field. The message box says 'This page says Name Field is mandatory' with an 'OK' button. The form fields are partially visible behind the message box.

← → ↻ ⓘ File | G:/SEM--6/WP/Practical/Lab%20Practical%20Code/p12.html

Apps ask Home up Android Design, Da... gateoverflow - Goo...

Name:

ROhit

Gender: ☐ Male ☐ Female

Age:

This page says

Atleast one Gender has to be chosen

OK

← → ↻ ⓘ File | G:/SEM--6/WP/Practical/Lab%20Practical%20Code/p12.html

Apps ask Home up Android Design, Da... gateoverflow - Goo...

Name:

ROhit

Gender: ☒ Male ☐ Female

Age:

sasasa

This page says

Age is compulsory and must be a number

OK

← → ↻ ⓘ File | G:/SEM--6/WP/Practical/Lab%20Practical%20Code/p12.html

Apps ask Home up Android Design, Da... gateoverflow - Goo...

Name:

ROhit

Gender: ☒ Male ☐ Female

Age:

22

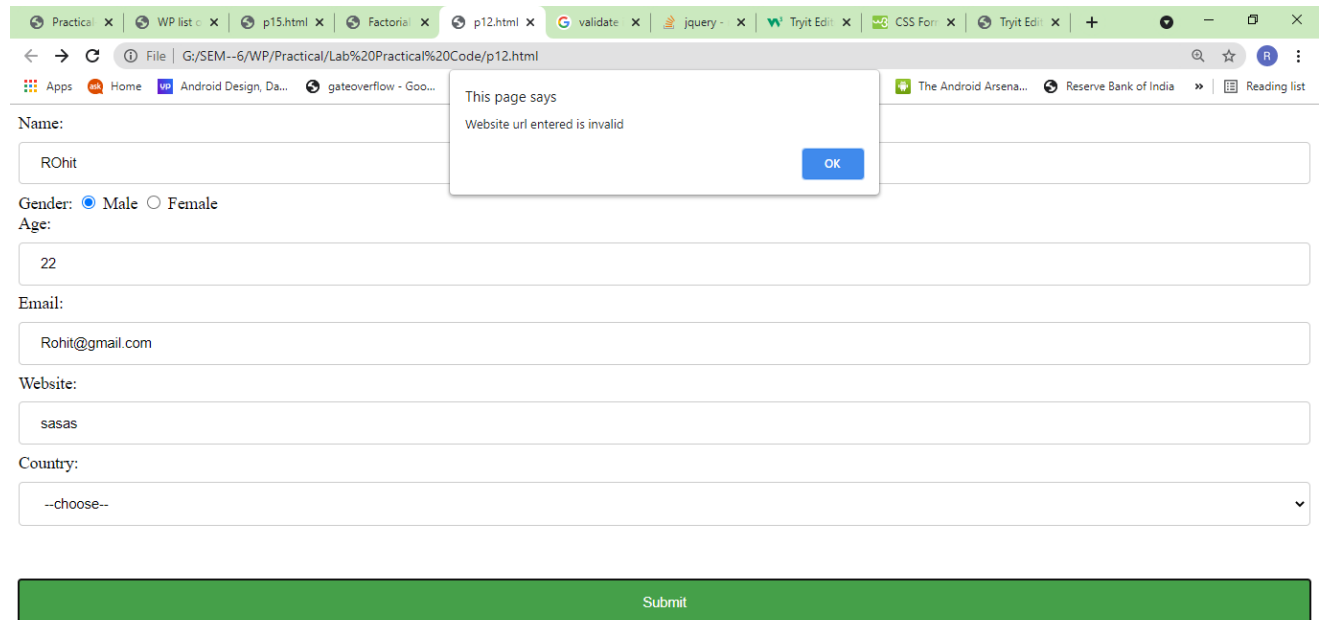
Email:

aasasa

This page says

Email address entered is invalid

OK



The screenshot shows a web browser with multiple tabs. The active tab is 'p12.html'. The address bar shows the file path 'G:/SEM--6/WP/Practical/Lab%20Practical%20Code/p12.html'. A modal dialog box is displayed in the center of the screen with the text 'This page says' and 'Website url entered is invalid'. The form contains the following fields: Name (ROhit), Gender (Male selected), Age (22), Email (Rohit@gmail.com), Website (sasas), and Country (dropdown menu showing '--choose--'). A green 'Submit' button is at the bottom.

Name: ROhit

Gender: ☒ Male ☐ Female

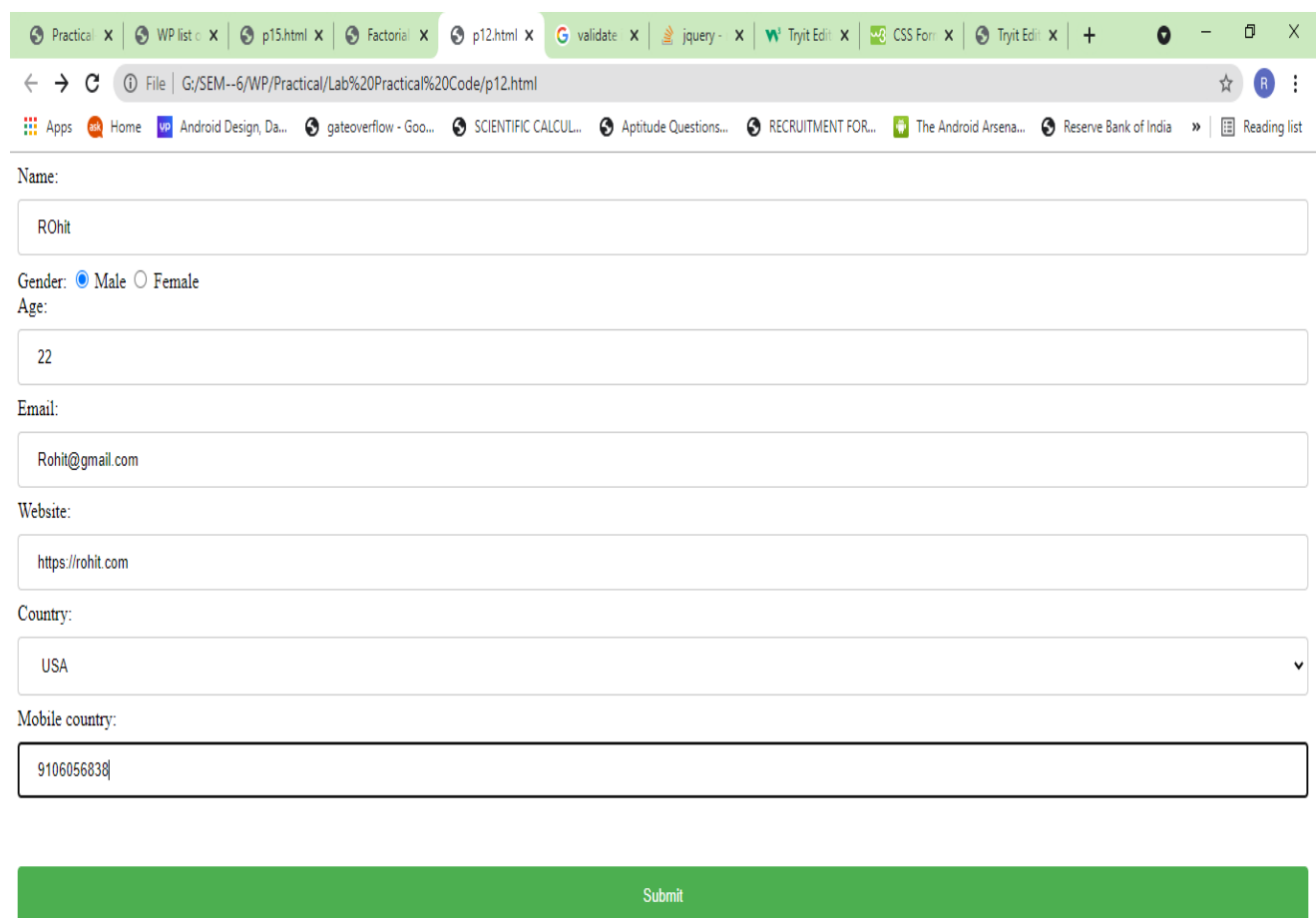
Age: 22

Email: Rohit@gmail.com

Website: sasas

Country: --choose--

Submit



The screenshot shows the same web browser with the same tabs. The address bar shows the file path 'G:/SEM--6/WP/Practical/Lab%20Practical%20Code/p12.html'. The form fields are now: Name (ROhit), Gender (Male selected), Age (22), Email (Rohit@gmail.com), Website (https://rohit.com), and Country (dropdown menu showing 'USA'). A new field 'Mobile country:' with the value '9106056838' has been added. A green 'Submit' button is at the bottom.

Name: ROhit

Gender: ☒ Male ☐ Female

Age: 22

Email: Rohit@gmail.com

Website: https://rohit.com

Country: USA

Mobile country: 9106056838

Submit

## PRACTICAL:13

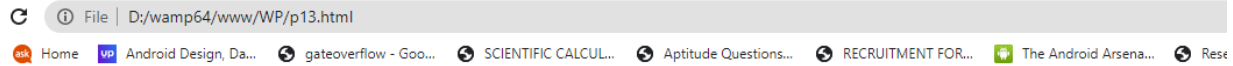
**AIM: Write a JavaScript program to display given number is prime or not.**

❖ **p13.html:**

```
<!DOCTYPE html>
<html>
<head>
    <title>
        Check a number is Prime or
        not using JavaScript
    </title>
    <script type="text/javascript">
        // Function to check prime number
        function p()
        {
            var n, i, flag = true;
            n = document.myform.n.value;
            n = parseInt(n)
            for(i = 2; i <= n - 1; i++)
                if (n % i == 0) {
                    flag = false;
                    break;
                }
            if (flag == true)
                alert(n + " is prime");
        }
    </script>
</head>
</html>
```

```
        else
            alert(n + " is not prime");
    }
</script>
</head>
<body>
    <center>
        <h1>Check number is prime or not</h1>
        <hr color="Green">
        <h2>
            <form name="myform">
                Enter the number:
                <input type="text" name=n value="">
                <br><br>
                <input type="button" value="Check" onClick="p()">
                <br>
            </form>
        </h2>
    </center>
</body>
</html>
```

## ❖ Output:



## Check number is prime or not

Enter the number:

Check



Enter the number:

Check



Enter the number:

Check

## PRACTICAL:14

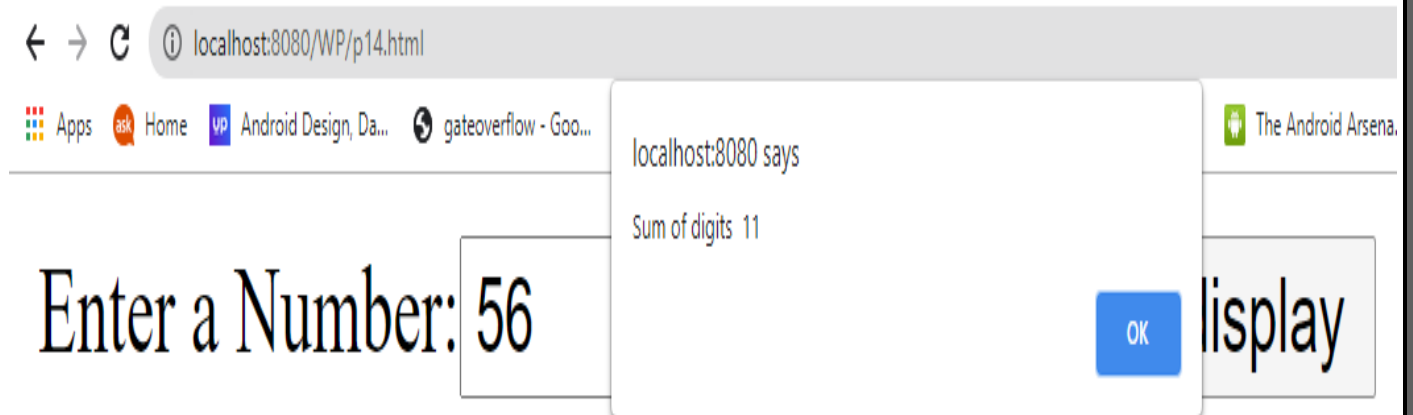
**AIM: Write a JavaScript program to accept a number from the user and display the sum of its digits.**

❖ **p14.html:**

```
<HTML>
<head>
    <title> Addition of digits of a given number </title>
</head>
<body>
<script>
    function find()
    {
        var sum=0;
        var no=parseInt(frm.txt1.value);
        while(no>0)
        {
            sum=sum+no%10;
            no=Math.floor(no/10);
        }
        alert("Sum of digits "+sum);
    }
</script>
<form name="frm">
    Enter a Number:<input name="txt1" type="text" />
```



```
<input name="b1" onclick="find();" type="button" value="display" />
</form>
</BODY>
</HTML>
```

**❖ Output:**

## PRACTICAL:15

**AIM: Write a java script program to design simple calculator.**

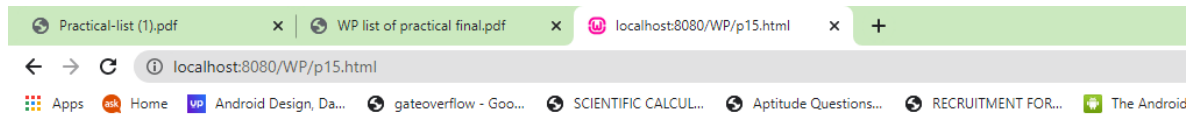
❖ **p15.html:**

```
<html>
<head>
    <script>
        //function for displaying values
        function dis(val)
        {
            document.getElementById("edu").value+=val
        }
        //function for evaluation
        function solve()
        {
            let x = document.getElementById("edu").value
            let y = eval(x)
            document.getElementById("edu").value = y
        }
        //function for clearing the display
        function clr()
        {
            document.getElementById("edu").value = ""
        }
    </script>
```

```
<style type="text/css">
    body,html
    {
        margin:0px;
    }
    input[type="button"]
    {
        border:none;
        width:100%;
        outline: none;
    }
    #wrap
    {
        margin:10%;
    }
</style>
</head>
<!-- create table -->
<body>
<div class = title align="center"> Calculator</div>
<table border="1" align="center">
<tr>
<td><input type="button" value="c" onclick="clr()" /> </td>
<td colspan="3"><input type="text" id="edu" /></td>
<!-- clr() function will call clr to clear all value -->
```

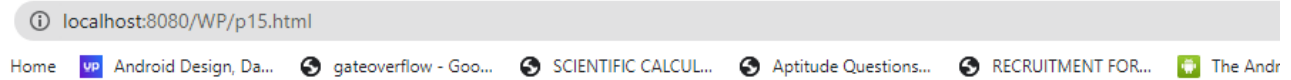
```
</tr>
<tr>
<!-- creating buttons and assigning values-->
<td><input type="button" value="+" onclick="dis('+')"/> </td>
<td><input type="button" value="1" onclick="dis('1')"/> </td>
<td><input type="button" value="2" onclick="dis('2')"/> </td>
<td><input type="button" value="3" onclick="dis('3')"/> </td>
</tr>
<tr>
<td><input type="button" value="-" onclick="dis('-')"/> </td>
<td><input type="button" value="4" onclick="dis('4')"/> </td>
<td><input type="button" value="5" onclick="dis('5')"/> </td>
<td><input type="button" value="6" onclick="dis('6')"/> </td>
</tr>
<tr>
<td><input type="button" value="*" onclick="dis('*')"/> </td>
<td><input type="button" value="7" onclick="dis('7')"/> </td>
<td><input type="button" value="8" onclick="dis('8')"/> </td>
<td><input type="button" value="9" onclick="dis('9')"/> </td>
</tr>
<tr>
<td><input type="button" value="/" onclick="dis('/')"/> </td>
<td><input type="button" value="." onclick="dis('.')"/> </td>
<td><input type="button" value="0" onclick="dis('0')"/> </td>
<!-- Evaluating function call eval()-->
<td><input type="button" value="=" onclick="solve()"/> </td>
```

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

**❖ Output:**

## JavaScript Calculator

c	25+45*7-545/2		
+	1	2	3
-	4	5	6
*	7	8	9
/	.	0	=



## JavaScript Calculator

c	67.5		
+	1	2	3
-	4	5	6
*	7	8	9
/	.	0	=

## PRACTICAL:16

**AIM: Write a PHP Program to accept a number from the user and print it factorial.**

### ❖ p16.php:

```
<HTML>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>USER DEFINED FUNCTION</title>

<style>

#aa{ text-transform:uppercase;

      font-size:30px;

      border:solid 14px;

      background:-webkit-linear-gradient( #00cc99,yellow);

}

input{ font-size:24px;

      height:30px;

      width:100%;

}

</style>

</head>

<body>
```

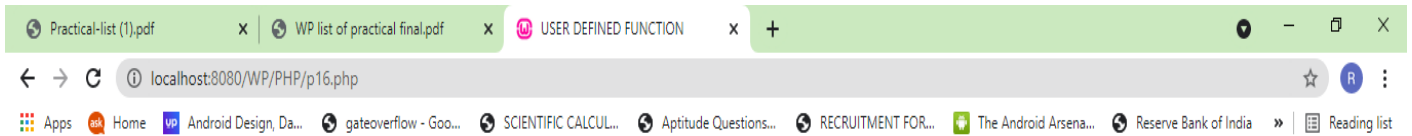
```
<form method="post">
<div align="center" id="aa" style="height:50px;">Rohit yadav(190183107010)</div>
<div style="float:left; margin:17px; width:45%" id="aa">
<table cellpadding="8" cellspacing="8" >
<tr>
<th align="left"> factorial </th>
<td align="left"><input type="text" name="i2"/></td>
</tr>
<tr><td align="center" colspan="2">
<input style="border-radius:30px 80px; background-color:#99FFCC; font-size:35px;
width:100%;height:50px" type="submit" name="submit" value="SUBMIT" />
</td>
</tr>
</table></div>
</form>
<table border="5" cellpadding="3" cellspacing="3" id="aa" style="height:500px; margin:5px;
width:50%">
<tr>
<th colspan="2" align="center"><h2>USER DEFINED FUNCTION</h2></th>
</tr>
<tr>
<th>factorial</th>
<td><?php
$n=$_REQUEST["i2"];
function fact($n, $total=1) {
if($n < 2)
return $total;
```

```

else
return fact($n-1, $total * $n);
}
echo fact($n);
?>
</td>
</tr>
</table>
</body>
</html>

```

❖ **Output:**



ROHIT YADAV(7062)

FACTORIAL

SUBMIT

USER DEFINED FUNCTION

FACTORIAL	120
-----------	-----



## PRACTICAL:17

**AIM: Write a PHP program to accept a number from the user and print whether it is prime or not.**

### ❖ p17.php:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>Prime Number</title>

<style>

#aa{ text-transform:uppercase;

        font-size:30px;

        border:solid 14px;

        background:-webkit-linear-gradient( #00cc99,yellow);

}

input{ font-size:24px;

        height:30px;

        width:100%;

}

</style>

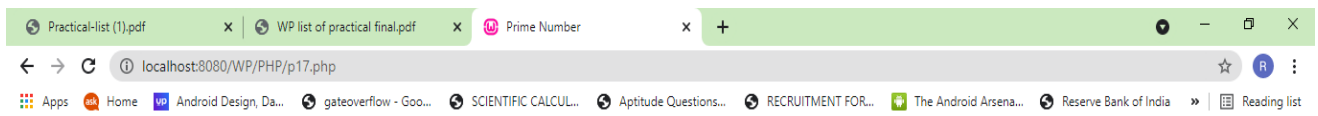
</head>

<body>
```

```
<form method="post">
<div align="center" id="aa" style="height:50px;">Rohit yadav(190183107010)</div>
<div style="float:left; margin:17px; width:45%" id="aa">
<table cellpadding="8" cellspacing="8" >
<tr>
<th align="left"> Prime Number </th>
<td align="left"><input type="text" name="i2"/></td>
</tr>
<tr><td align="center" colspan="2">
<input style="border-radius:30px 80px; background-color:#99FFCC; font-size:35px;
width:100%;height:50px" type="submit" name="submit" value="SUBMIT" />
</td>
</tr>
</table></div>
</form>
<table border="5" cellpadding="3" cellspacing="3" id="aa" style="height:500px; margin:5px;
width:50%">
<tr>
<th colspan="2" align="center"><h2>Find Prime Number</h2></th>
</tr>
<tr>
<th><?php
$num=$_POST['i2'];
echo "<h2>$num</h2>";
?></th>
<td>
```

```
<?php
if(isset($_POST['submit']))
{
    $primeFlag=0;
    for($i=2;$i<$num;$i++)
    {
        $primeFlag=0;
        if(($num%$i)==0)
        {
            break;
        }
        $primeFlag=1;
    }
    if($primeFlag==1)
    {
        echo "Is Prime Number";
    }
    else
    {
        echo "Is not Prime number";
    }
}
?>
</td>
</tr>
</table></body></html>
```

## ❖ Output:



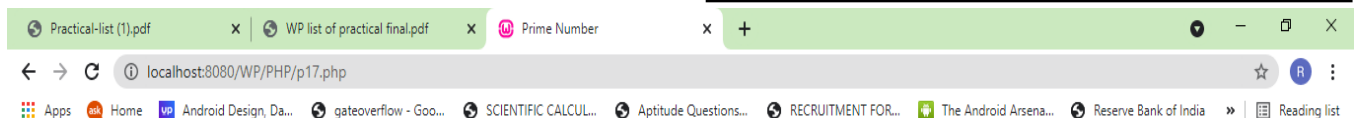
ROHIT YADAV(190183107010)

PRIME NUMBER

SUBMIT

FIND PRIME NUMBER

52 IS NOT PRIME NUMBER



ROHIT YADAV(190183107010)

PRIME NUMBER

SUBMIT

FIND PRIME NUMBER

5 IS PRIME NUMBER

## PRACTICAL:18

**AIM: Write a PHP code to find the greater of 2 numbers. Accept the no. from the user.**

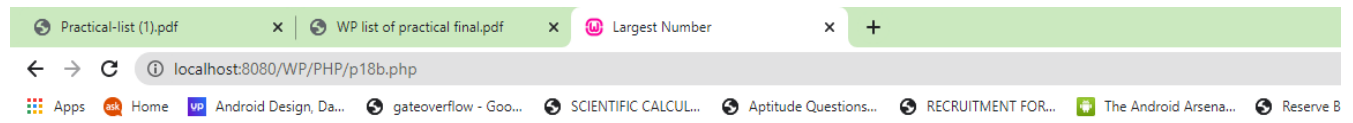
❖ **p18. php:**

```
<!DOCTYPE html>
<html>
<head>
  <title>Largest Number</title>
</head>
<body>
<form method="post" >
  <table border="1" align="center" >
    <th colspan="2">
      Find Largest number from given numbers
    </th>
    <tr>
      <td>Enter the first number:</td>
      <td><input type="text" name="num1"></td>
    </tr>
    <tr>
      <td>Enter the second number:</td>
      <td><input type="text" name="num2"></td>
    </tr>
    <tr>
```

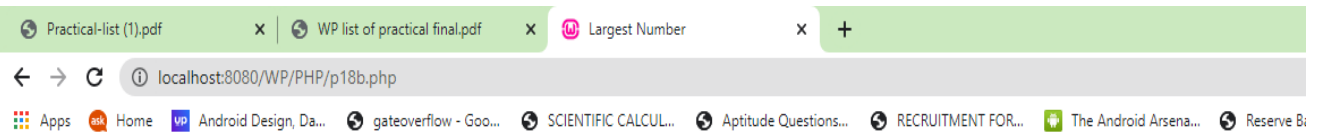
```
<td>Enter the third number:</td>
<td><input type="text" name="num3"></td>
</tr>
<tr>
<td colspan="2" align="center"> <input type="submit" name="submit"></td>
</tr>
</table>
</form>
</body>
</html>
<?php
if(isset($_POST["submit"]))
{
    $num1=$_POST["num1"];
    $num2=$_POST["num2"];
    $num3=$_POST["num3"];
    if($num1>$num2 && $num1>$num3)
    {
        echo "Largest Number is : ".$num1;
    }
    else
    {
        if($num2>$num1 && $num2>$num3)
        {
            echo "Largest Number is : ".$num2;
        }
    }
}
```

```
else  
    echo "Largest Number is : " . $num3;  
}  
}  
?>
```

### ❖ Output:



Find Largest number from given numbers	
Enter the first number:	58
Enter the second number:	85
Enter the third number:	95
<input type="button" value="Submit"/>	



Find Largest number from given numbers	
Enter the first number:	
Enter the second number:	
Enter the third number:	
<input type="button" value="Submit"/>	

Largest Number is : 95

## PRACTICAL:19

**AIM: Write a PHP program to demonstrate different string functions.**

❖ **p19. php:**

```
<HTML>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>STRING FUNCTION</title>

<style>

#aa{ text-transform:uppercase;

        font-size:26px;

                border:solid 10px;

                background:-webkit-linear-gradient( #00cc99,yellow);

                margin:5px;

                width:100%

        }

input{ font-size:15px;}

#bb{ border-radius:30px 80px;

        background-color:#FF9999;

        font-size:34px;

        width:50%;

}
```



```
td{ font-size:31px;
    text-transform:none;
color:#FF0000;
font-weight:bold;
}
</style>
</head>
<body>
<div align="center" id="aa" style="font-size:36px; width:98.5%; ">Rohit
yadav(190183107010)</div>
    <form method="post">
        <table cellpadding="3" cellspacing="3" id="aa" style="width:100%; " border="5" >
            <tr>
                <th><h3>Input String<h3> <input type="text" name="i1"
style="height:40px;width:40%;font-size:30px" /></th>
            </tr>
            <tr>
                <th align="center" colspan="2">
                    <input id="bb" type="submit" name="submit" value="SUBMIT" />
                </th>
            </tr>
        </table>
    </form>

<table align="left" border="5" cellpadding="3" cellspacing="3" id="aa" style="text-
transform:uppercase">
```

```
<tr>
<th colspan="12" align="center"><h3>STRING FUNCTION</h3></th>
</tr>
<tr>
<th>Chr</th>
<td>
<?php
if(isset($_REQUEST['submit']))
{
    echo chr(82);
    echo chr(79);
    echo chr(72);
    echo chr(73);
    echo chr(84);
}
?>
</td>
<th>ord</th>
<td>
<?php
$x=$_REQUEST['i1'];
if(isset($_REQUEST['submit']))
{
    echo ord($x);
}
```

```
?>
</td>
<th>strtolower</th>
<td>
<?php
if(isset($_REQUEST['submit']))
{
    echo strtolower($x);
}
```

```
?>
</td>
<th>strtoupper</th>
<td>
<?php
if(isset($_REQUEST['submit']))
{
    echo strtoupper($x);
}
```

```
?>
</td>
<th>LENGTH</th>
<td>
<?php
if(isset($_REQUEST['submit']))
{
```

```
        echo strlen($x);
    }

?>
</td>
<th>LTRIM</th>
<td>
<?php
if(isset($_REQUEST['submit']))
{
    echo strlen(ltrim($x));
}

?>
</td>
</tr>

<tr>
<th>RTRIM</th>
<td>
<?php
if(isset($_REQUEST['submit']))
    echo strlen(rtrim($x));

?>
</td>
<th>trim</th>
<td>
<?php
if(isset($_REQUEST['submit']))
```

```
        echo strlen(trim($x));

    ?>
</td>
<th>suubstr</th>
<td>
<?php
if(isset($_REQUEST['submit']))
    echo substr($x,4,5);

    ?>
</td>
<th>strrev</th>
<td>
<?php
if(isset($_REQUEST['submit']))
    echo strrev($x);

    ?>
</td>
<th>strcmp</th>
<td>
<?php
if(isset($_REQUEST['submit']))
    echo strcmp($x,"lenovo");

    ?>
</td>
<th>strstr</th>
<td>
```

```
<?php
if(isset($_REQUEST['submit']))
    echo strstr($x,"i");
?>
</td>
</tr>

<tr>
<th colspan="5">strstr</th>
<td>
<?php
if(isset($_REQUEST['submit']))
    echo strstr($x,"t");
?>
</td>
<th colspan="5">str_replace</th>
<td>
<?php
if(isset($_REQUEST['submit']))
    echo str_replace("Rohit","Yadav",$x);
?>
</td>
</tr>

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

❖ **Output:**

Practical-list (1).pdf x WP list of practical final.pdf x STRING FUNCTION x +

localhost:8080/WP/PHP/p19.php

Apps Home Android Design, Da... gateoverflow - Goo... SCIENTIFIC CALCUL... Aptitude Questions... RECRUITMENT FOR... The Android Arsena... Reserve Bank of India » Reading list

## ROHIT YADAV(7062)

### INPUT STRING

SUBMIT

### STRING FUNCTION

CHR	ORD	STRTOLOWER	STRToupper	LENGTH	LTRIM								
		<div style="font-size: small;">(!) Error: Undefined index: \$ in D:\wamp\www\WP PHP p19.php on line 61</div> <table border="1" style="margin: auto; font-size: x-small;"> <thead> <tr> <th>* Time</th> <th>Memory</th> <th>Process</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>10.0005</td> <td>253424</td> <td>{main}()</td> <td>...p19.php:0</td> </tr> </tbody> </table>				* Time	Memory	Process	Location	10.0005	253424	{main}()	...p19.php:0
* Time	Memory	Process	Location										
10.0005	253424	{main}()	...p19.php:0										
RTRIM	TRIM	SUBSTR	STRREV	STRCMP	STRSTR								
STRISTR			STR_REPLACE										

Practical-list (1).pdf x WP list of practical final.pdf x STRING FUNCTION x +

localhost:8080/WP/PHP/p19.php

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## ROHIT YADAV(7062)

### INPUT STRING

### STRING FUNCTION

CHR	ROHIT	ORD	82	STRTOLOWER	rohit	STRTOUPPER	ROHIT	LENGTH	5	LTRIM	5
RTRIM	5	TRIM	5	SUBSTR	T	STRREV	TIHOR	STRCMP	-1	STRSTR	
STRISTR					T	STR_REPLACE					ROHIT

## PRACTICAL:20

**AIM: (A)Write a PHP code to find the area of triangle. (B) Write a PHP code to find the give number is odd or even.**

### ❖ p20. php:

```
<HTML>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>Practical 20</title>

<style>

    #aa{ text-transform:uppercase;

        font-size:26px;

        border:solid 10px;

        background:-webkit-linear-gradient( #00cc99,yellow);

        margin:5px;

        width:100%

    }

    input{ font-size:15px;}

    #bb{ border-radius:30px 80px;

        background-color:#FF9999;

        font-size:34px;

        width:50%;
```



```
    }
    td{ font-size:31px;
        text-transform:none;
        color:#000000;
        font-weight:bold;
    }
</style>
</head>
<body>
    <form method="post">
        <table align="left" border="5" cellpadding="3" cellspacing="3" id="aa"
style="text-transform:uppercase">
            <tr>
                <th colspan="2">Find Area of Triangle</th>
            </tr>
            <tr>
                <td>Enter Your Base</td>
                <td><input type="text" name="base" required/></td>
            </tr>
            <tr>
                <td>Enter Your Height</td>
                <td><input type="text" name="height" required/></td>
            </tr>
            <tr>
                <td colspan="2" align="center">
                    <input id="bb" type="submit" value="Calculate" name="calculate"/>
                </td>
            </tr>
        </table>
    </form>
</body>
</html>
```

```
</tr>
```

```
</form><br />
```

```
<table align="left" border="5" cellpadding="3" cellspacing="3" id="aa" style="text-transform:uppercase">
```

```
<tr>
```

```
<th colspan="12" align="center"><h3>Area of Triangle</h3></th>
```

```
</tr>
```

```
<tr>
```

```
<th>
```

```
<?php
```

```
extract($_REQUEST);
```

```
if(isset($calculate))
```

```
{
```

```
echo "area with base $base and height $height= " . ($base * $height) / 2;
```

```
}
```

```
?>
```

```
</th>
```

```
</tr></table>
```

```
<form method="post">
```

```
<table align="left" border="5" cellpadding="3" cellspacing="3" id="aa" style="text-transform:uppercase">
```

```
<tr>
```

```
<th colspan="2">Find Given number is odd/even</th>
```

```
</tr>
```

```
<tr>
```

```
<td>Enter Your Number</td>
```

```
<td><input type="text" name="number" required/></td>
</tr>
<td colspan="2" align="center">
    <input id="bb" type="submit" value="Even or Odd" name="check"/>
</td>
</tr>
</form>

<table align="left" border="5" cellpadding="3" cellspacing="3"
id="aa" style="text-transform:uppercase">
<tr>
<th colspan="12" align="center"><h3> Given number is odd/even </h3></th>
</tr>
<tr>
<th>
<?php
    extract($_REQUEST);
    if(isset($check))
    {
        if($number%2==0)
        {
            echo "$number is Even Number";
        }
        else
        {
            echo "$number is Odd Number";
        }
    } ?>
```

</th>

</tr></table>

</body>

</html>

**❖ Output:**

The screenshot shows a web browser with three open tabs: 'Practical-list (1).pdf', 'WP list of practical final.pdf', and 'Practical 20'. The address bar shows 'localhost:8080/WP/PHP/p20.php'. The browser's bookmark bar includes links to 'Apps', 'Home', 'Android Design, Da...', 'gateoverflow - Goo...', 'SCIENTIFIC CALCUL...', 'Aptitude Questions...', 'RECRUITMENT FOR...', 'The Android Arsen...', 'Reserve Bank of India', and 'Reading list'.

The first script, titled 'FIND AREA OF TRIANGLE', has a green header. It contains two input fields: 'Enter Your Base' and 'Enter Your Height'. Below these is a red 'Calculate' button. The second script, titled 'AREA OF TRIANGLE', has a green header and a yellow body. The third script, titled 'FIND GIVEN NUMBER IS ODD/EVEN', has a green header and contains an input field 'Enter Your Number' followed by a red 'Even or Odd' button. The fourth script, titled 'GIVEN NUMBER IS ODD/EVEN', has a green header and a yellow body.

**FIND AREA OF TRIANGLE**

Enter Your Base

Enter Your Height

**Calculate**

**AREA OF TRIANGLE**

**FIND AREA OF TRIANGLE**

Enter Your Base

Enter Your Height

**Calculate**

**AREA OF TRIANGLE**

**AREA WITH BASE 5 AND HEIGHT 5= 12.5**

**FIND GIVEN NUMBER IS ODD/EVEN**

Enter Your Number

**Even or Odd**

Practical-list (1).pdf x WP list of practical final.pdf x Practical 20 x +

localhost:8080/WP/PHP/p20.php

Apps Home WP Android Design, Da... gateoverflow - Goo... SCIENTIFIC CALCUL... Aptitude Questions... RECRUITMENT FOR... The Android Arsen... Reserve Bank of India Reading list

**FIND AREA OF TRIANGLE**

Enter Your Base

Enter Your Height

Calculate

**AREA OF TRIANGLE**

**FIND GIVEN NUMBER IS ODD/EVEN**

Enter Your Number

Even or Odd

**GIVEN NUMBER IS ODD/EVEN**

**5 IS ODD NUMBER**

Practical-list (1).pdf x WP list of practical final.pdf x Practical 20 x +

localhost:8080/WP/PHP/p20.php

Apps Home WP Android Design, Da... gateoverflow - Goo... SCIENTIFIC CALCUL... Aptitude Questions... RECRUITMENT FOR... The Android Arsen... Reserve Bank of India Reading list

**FIND AREA OF TRIANGLE**

Enter Your Base

Enter Your Height

Calculate

**AREA OF TRIANGLE**

**FIND GIVEN NUMBER IS ODD/EVEN**

Enter Your Number

Even or Odd

**GIVEN NUMBER IS ODD/EVEN**

**2 IS EVEN NUMBER**

## Practical:21

**AIM: Write a PHP program to demonstrate different PHP functions.**

❖ **p21.php:**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
```

```
<title>PHP FUNCTIONS</title>
```

```
<style>
```

```
table {
```

```
    border-collapse: collapse;
```

```
    width: 100%;
```

```
}
```

```
th, td {
```

```
    text-align: left;
```

```
    padding: 8px;
```

```
}
```

```
tr:nth-child(even){background-color: #f2f2f2}
```

```
th {
```

```
    background-color: #4CAF50;
```

```
color: white;

}

</style>

</head>

<body>

<table align="left" border="5" cellpadding="3" cellspacing="3" style="text-
transform:uppercase">

    <tr>

        <th colspan="2" align="center" ><h2>PHP FUNCTIONS</h2></th>

    </tr>

    <tr>

        <th>Calling Function</th>

        <td><?php

function sayHello(){

echo "Hello PHP Function";

}

sayHello();//calling function

?>

        </td>

    </tr>

    <tr>

        <th>Pass single argument</th>

        <td>
```



```
<?php
    function sayHello2($name){
        echo "Hello $name<br/>";
    }
    sayHello2("Sonoo");
    sayHello2("Vimal");
    sayHello2("John");
?>
</td>
</tr>
<tr>
<th>Pass two argument</th>
<td>
<?php
    function sayHello3($name,$age){
        echo "Hello $name, you are $age years old<br/>";
    }
    sayHello3("Sonoo",27);
    sayHello3("Vimal",29);
    sayHello3("John",23);
?>
</td>
```

```
</tr>

<tr>

<th>Call by reference</th>

<td>

<?php

    function adder(&$str2)

        {

            $str2 .= 'Call By Reference';

        }

    $str = 'Hello ';

    adder($str);

    echo $str;

?>

</td>

</tr>

<tr>

<th>Default Argument Value</th>

<td>

<?php

function sayHello4($name="Sonoo"){

echo "Hello $name<br/>";

}
```

```
sayHello4("Rajesh");

sayHello4();//passing no value

sayHello4("John");

?>

</td>

</tr>

    <tr>

<th>Returning Value</th>

<td>

<?php

function cube($n){

return $n*$n*$n;

}

echo "Cube of 3 is: ".cube(3);

?>

</td>

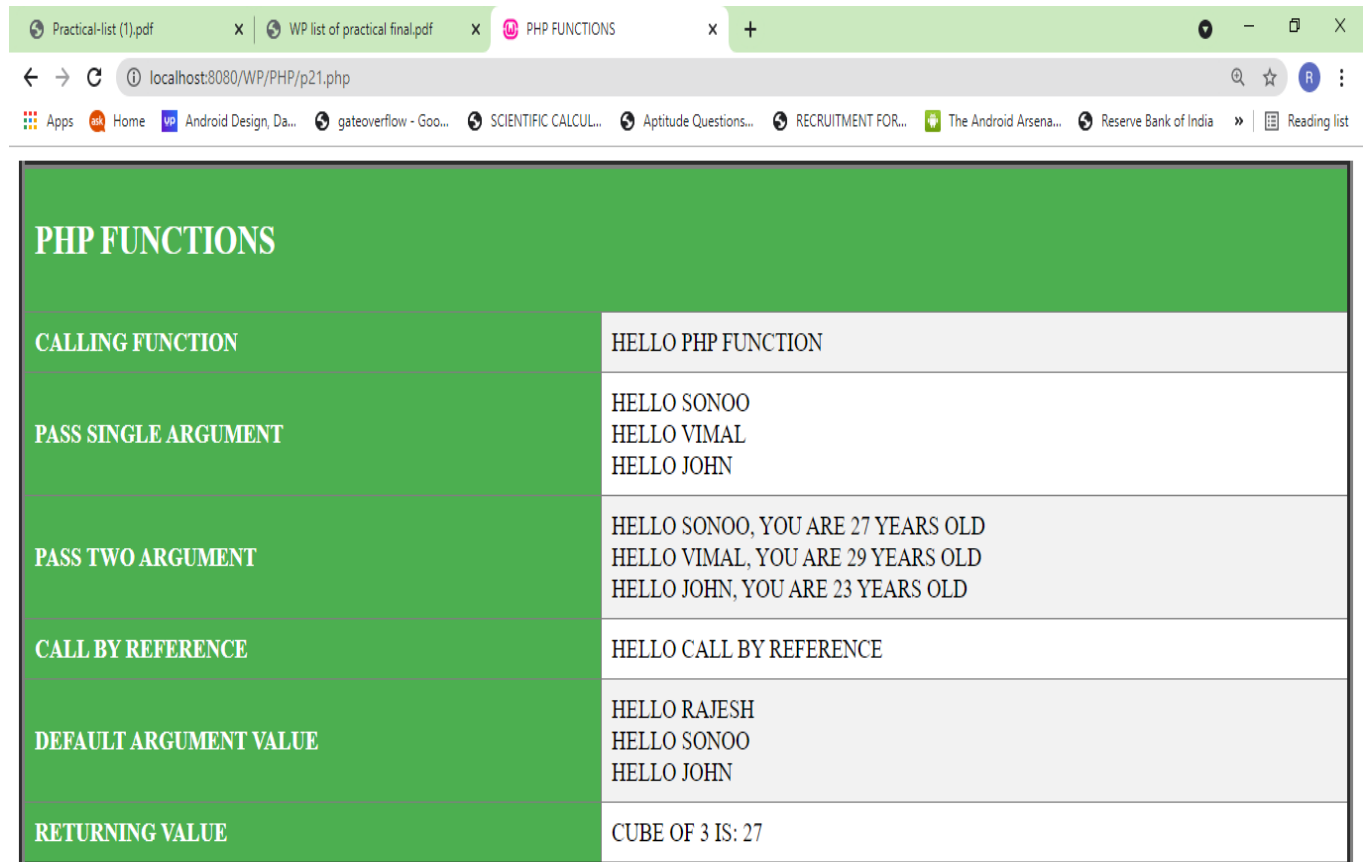
</tr>

</table>

</body>

</html>
```

## ❖ Output:



PHP FUNCTIONS	
CALLING FUNCTION	HELLO PHP FUNCTION
PASS SINGLE ARGUMENT	HELLO SONOO HELLO VIMAL HELLO JOHN
PASS TWO ARGUMENT	HELLO SONOO, YOU ARE 27 YEARS OLD HELLO VIMAL, YOU ARE 29 YEARS OLD HELLO JOHN, YOU ARE 23 YEARS OLD
CALL BY REFERENCE	HELLO CALL BY REFERENCE
DEFAULT ARGUMENT VALUE	HELLO RAJESH HELLO SONOO HELLO JOHN
RETURNING VALUE	CUBE OF 3 IS: 27

## Practical:22

**AIM: Write a PHP program to demonstrate different PHP functions.**

❖ **p22.php:**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>Untitled Document</title>

</head>

<body>

<?php

$a1=array(10,20,25,15,36,33);

$a2=array(85,56);

echo "<pre>";

print_r($a1);

print_r($a2);

echo "</pre>";

echo "Size Of Array 1:".count($a1)."<br>";

echo "Size Of Array 2:".count($a2)."<br>";

echo "<h3>Merging Both Array</h3>";
```

```
echo "<pre>";

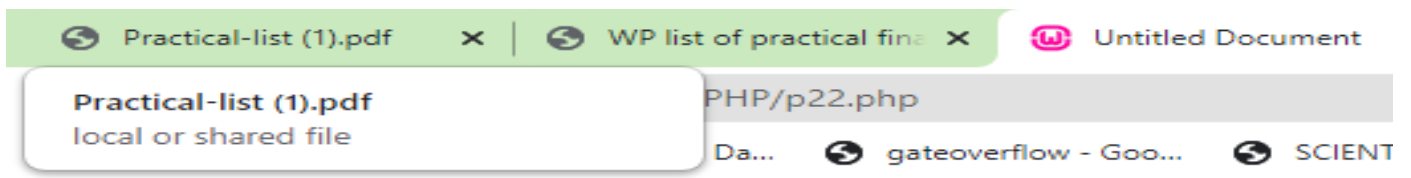
print_r($a1+$a2);

echo "</pre>";

?>

</body>

</html>
```

**❖ Output:****Merging Both Array**

```
Array
(
    [0] => 10
    [1] => 20
    [2] => 25
    [3] => 15
    [4] => 36
    [5] => 33
)
```

## Practical:23

**AIM: Write a PHP code to create: Create a database College. Create a table Department (Dname, Dno, Number\_Of\_faculty).**

### ❖ p23\_1.php:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>Untitled Document</title>

</head>

<body>

<?php

    $conn=mysqli_connect('localhost','root','');

    if(!$conn)

    {

        die('Could Not Connect'.mysqli_connect_error());

    }

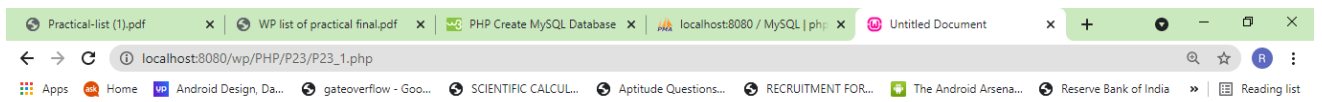
    $sql='Create DATABASE College';

    if(mysqli_query($conn,$sql))

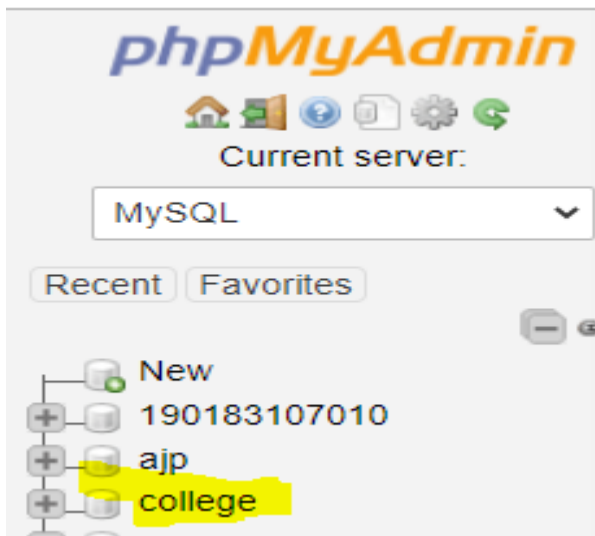
    {

        echo "Database College Created Successfully";
```

```
}  
else  
{  
  
    echo "Error in creating Database".mysqli_error($conn)."\n";  
  
}  
  
?>  
</body>  
</html>
```

**❖ Output:**

# Database College Created Successfully





**❖ p23\_2.php:**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>Untitled Document</title>

</head>

<body>

<?php

$conn=mysqli_connect('localhost','root','','College');

if(!$conn)

{

    die('Could Not Connect'.mysqli_connect_error());

}

$sql="create table Department (Dno int(5) primary key,Dname Varchar(30) , Number_Of_faculty
int(5))";

if(mysqli_query($conn,$sql))

{

    echo "Department table Created Successfully";

}

else

{

    echo "Error in creating table".mysqli_error($conn)."\n";

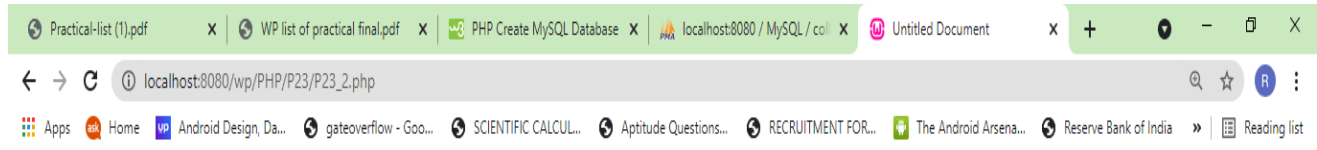
}
```

?>

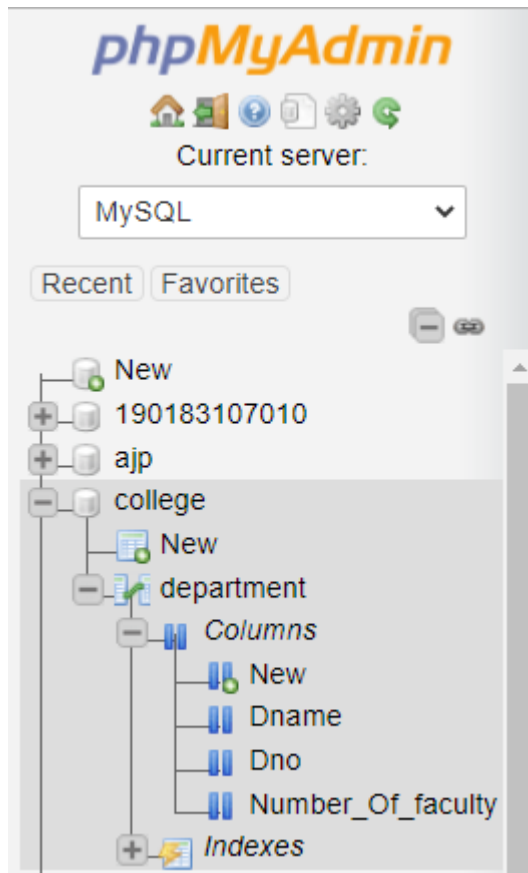
</body>

</html>

**Output:**



# Department table Created Successfully



## PRACTICAL:24

**AIM: Write a PHP program to create a database named “College”. Create a table named “Student” with following fields (sno, sname, percentage). Insert 10 records of your choice. Display the details of database table on to another page.**

❖ **p23\_1.php:**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>Untitled Document</title>

</head>

<body>

<?php

    $conn=mysqli_connect('localhost','root','');

    if(!$conn)

    {

        die('Could Not Connect'.mysqli_connect_error());

    }

    $sql='Create DATABASE College';

    if(mysqli_query($conn,$sql))

    {
```

```
        echo "Database College Created Successfully";

    }

    else

    {

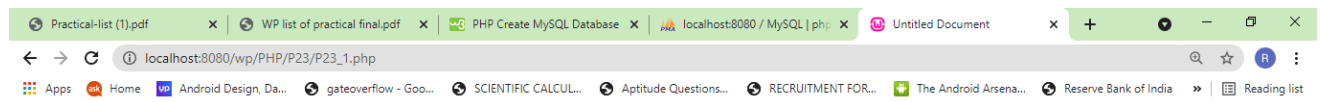
        echo "Error in creating Database".mysqli_error($conn)."\n";

    }

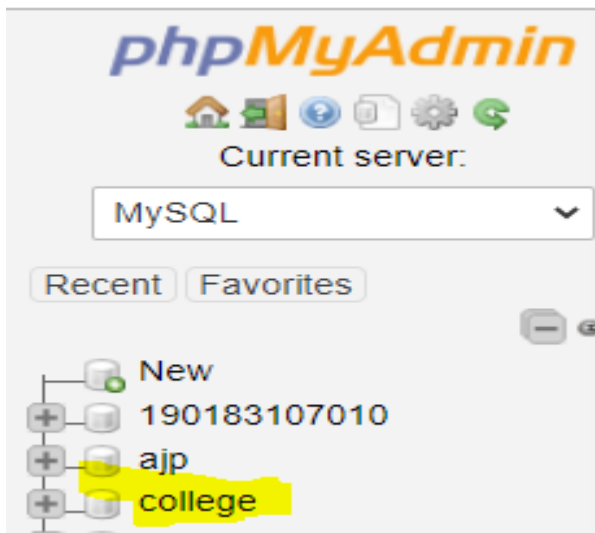
?>

</body>

</html>
```

**❖ Output:**

# Database College Created Successfully



**❖ p24\_1.php:**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>Untitled Document</title>

</head>


<body>

<?php

$conn=mysqli_connect('localhost','root','','College');

if(!$conn)

{

    die('Could Not Connect'.mysqli_connect_error());

}

$sql="create table student (sno int(5) primary key,sname Varchar(30) , percentage float(2,2))";

if(mysqli_query($conn,$sql))

{


    echo "student table Created Successfully";

}

else

{
```

```
        echo "Error in creating table".mysqli_error($conn)."\n";  
    }  
?>  
</body>  
</html>
```

**❖ Output:**

← → ↻ ⓘ localhost:8080/wp/PHP/P24/p24\_1.php

Apps ask Home VP Android Design, Da... gateoverflow - Goo... SCIENTIFIC CALCUL... Aptitude Questions... RECRUITMENT FOR...

# student table Created Successfully

## ❖ p24\_2.php:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html>

<head>

<title>Student Registration Form</title>

</head>

<body>

<center><h3>STUDENT REGISTRATION FORM</h3></center>

<form method="post" enctype="multipart/form-data">

<table align="center" cellpadding = "10" bgcolor="#c798ad">

<tr>

<td>SNO</td>

<td><input type="number" name="id" />

</td>

</tr>

<tr>

<td>NAME</td>

<td><input type="text" name="sname" maxlength="30"/>
```

(max 30 characters a-z and A-Z)

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td>Percentage</td>
```

```
<td><input type="text" name="per" /></td>
```

```
</tr>
```

```
<td colspan="2" align="center">
```

```
<input type="submit" value="Submit" name="submit">
```

```
<input type="reset" value="Reset">
```

```
</td>
```

```
</tr>
```

```
</table>
```

```
</form>
```

```
</body>
```

```
</html>
```



```
<?php
if(isset($_REQUEST['submit']))
{
    $id=$_REQUEST['id'];
    $sname=$_REQUEST['sname'];
    $per=$_REQUEST['per'];

}
?>

<?php

$conn = mysqli_connect("localhost", "root", "", "College");
mysqli_select_db($conn,"College") or die(mysqli_connect_error());

if($conn === false)
{
    die("ERROR: Could not connect. " . mysqli_connect_error());
}

$sql = "INSERT INTO student (sno,sname, percentage) VALUES
        ($id,$sname, '$per')";
if(mysqli_query($conn,$sql))
{
```

```
    echo "<h3 align='center'>Records added successfully</h3>";
}
else
{
    echo "ERROR: Could not able to execute $sql. " . mysqli_error($conn);
}

?>
<?php

// $conn = mysql_connect("localhost", "root", "");

$sq = "select * from student";

if($conn)
{
    $x=mysqli_query($conn,$sq);
    if(mysqli_num_rows($x)>0)
    {
        echo "<table border=2 align=center>";
        echo "<tr><th>SNO</th><th>Name</th><th>Percentage</th></tr>";
```

```
        while($row=mysqli_fetch_array($x))
        {
            echo "<tr>";

            echo
"<td>".$row['sno']. "</td><td>".$row['sname']. "</td><td>".$row['percentage']. "</td>";

            echo "</tr>";

        }

    }

    else
    {

        echo "<table border=0>";

    }

}

else
{

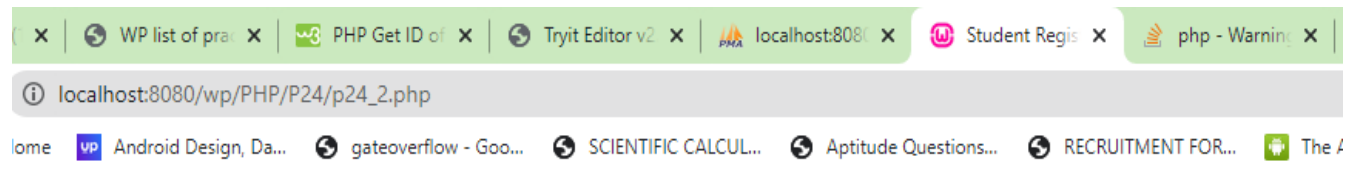
    echo "result 0";

}

mysqli_close($conn);

?>
```

## ❖ Output:



SNO

NAME  (max 30 characters a-z and A-Z)

Percentage

## Records added successfully

SNO	Name	Percentage
2	assa	23
1	rohti	85
3	sonu	85
4	ramesh	75
5	jsied	55
6	rajesh	85
7	rohit	99
8	raara	75
9	mahesh	90
10	sanjay	85

## PRACTICAL:25

**AIM: Write a php code of student registration form. Use below three fields in registration form. (email id,username,password, confirm Password).**

### ❖ register.php:

```
<?php include('server.php') ?>

<!DOCTYPE html>

<html>

<head>

    <title>Student Registration</title>

    <link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

    <div class="header">

        <h2>Student Registration</h2>

    </div>

    <form method="post" action="register.php">

        <?php include('errors.php'); ?>

        <div class="input-group">

            <label>Username</label>

            <input type="text" name="username" value="<?php echo $username; ?>">
```

```
</div>

<div class="input-group">

  <label>Email</label>

  <input type="email" name="email" value="<?php echo $email; ?>">

</div>

<div class="input-group">

  <label>Password</label>

  <input type="password" name="password_1">

</div>

<div class="input-group">

  <label>Confirm password</label>

  <input type="password" name="password_2">

</div>

<div class="input-group">

  <button type="submit" class="btn" name="reg_user">Register</button>

</div>

<p>

  Already a member? <a href="login.php">Sign in</a>

</p>

</form>

</body>

</html>
```

**❖ server.php:**

```
<?php
session_start();

// initializing variables
$username = "";
$email  = "";
$errors = array();

// connect to the database
$db = mysqli_connect('localhost', 'root', '', 'College');

// REGISTER USER
if (isset($_POST['reg_user'])) {
    // receive all input values from the form
    $username = mysqli_real_escape_string($db, $_POST['username']);
    $email = mysqli_real_escape_string($db, $_POST['email']);
    $password_1 = mysqli_real_escape_string($db, $_POST['password_1']);
    $password_2 = mysqli_real_escape_string($db, $_POST['password_2']);

    // form validation: ensure that the form is correctly filled ...
    // by adding (array_push()) corresponding error unto $errors array
    if (empty($username)) { array_push($errors, "Username is required"); }
    if (empty($email)) { array_push($errors, "Email is required"); }
```

```
if (empty($password_1)) { array_push($errors, "Password is required"); }
```

```
if ($password_1 != $password_2) {
```

```
    array_push($errors, "The two passwords do not match");
```

```
}
```

```
// first check the database to make sure
```

```
// a user does not already exist with the same username and/or email
```

```
$user_check_query = "SELECT * FROM student_table WHERE username='$username' OR  
email='$email' LIMIT 1";
```

```
$result = mysqli_query($db, $user_check_query);
```

```
$user = mysqli_fetch_assoc($result);
```

```
if ($user) { // if user exists
```

```
    if ($user['username'] === $username) {
```

```
        array_push($errors, "Username already exists");
```

```
    }
```

```
if ($user['email'] === $email) {
```

```
    array_push($errors, "email already exists");
```

```
}
```

```
}
```

```
// Finally, register user if there are no errors in the form
```

```
if (count($errors) == 0) {
```



```
$password = md5($password_1);//encrypt the password before saving in the database

$query = "INSERT INTO student_table (username, email, password)
        VALUES('$username', '$email', '$password')";

mysqli_query($db, $query);

$_SESSION['username'] = $username;

$_SESSION['success'] = "You are now logged in";

header('location: index.php');

}

}

// LOGIN USER

if (isset($_POST['login_user'])) {

    $username = mysqli_real_escape_string($db, $_POST['username']);

    $password = mysqli_real_escape_string($db, $_POST['password']);

    if (empty($username)) {

        array_push($errors, "Username is required");

    }

    if (empty($password)) {

        array_push($errors, "Password is required");

    }

    if (count($errors) == 0) {
```

```
$password = md5($password);

$query = "SELECT * FROM student_table WHERE username='$username' AND
password='$password'";

$results = mysqli_query($db, $query);

if (mysqli_num_rows($results) == 1) {

    $_SESSION['username'] = $username;

    $_SESSION['success'] = "You are now logged in";

    header('location: index.php');

}else {

    array_push($errors, "Wrong username/password combination");

}

}

}

?>
```

## ❖ Output:

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/wp/PHP/PR/register.php'. The page title is 'Student Registration'. The form contains the following fields and elements:

- Username:** A text input field containing 'Rohit'.
- Email:** A text input field containing 'rohit@gmail.com'.
- Password:** A password input field with masked characters '.....'.
- Confirm password:** A password input field with masked characters '.....'.
- Register:** A green button.
- Already a member? [Sign in](#)**: A link to the sign-in page.

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/wp/PHP/PR/index.php'. The page title is 'Home Page'. The form contains the following elements:

- You are now logged in:** A green message box.
- Welcome Rohit:** A welcome message.
- [logout](#)**: A red link to log out.



## PRACTICAL:26

**AIM: Write a php code of student login form who registered in previous practical no. 25.**

### ❖ login.php:

```
<?php include('server.php') ?>

<!DOCTYPE html>

<html>

<head>

    <title>Registration system PHP and MySQL</title>

    <link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

    <div class="header">

        <h2>Login</h2>

    </div>

    <form method="post" action="login.php">

        <?php include('errors.php'); ?>

        <div class="input-group">

            <label>Username</label>

            <input type="text" name="username" >

        </div>
```

```
<div class="input-group">
    <label>Password</label>
    <input type="password" name="password">
</div>
<div class="input-group">
    <button type="submit" class="btn" name="login_user">Login</button>
</div>
<p>
    Not yet a member? <a href="register.php">Sign up</a>
</p>
</form>
</body>
</html>
```

**❖ server.php:**

```
<?php
session_start();

// initializing variables
$username = "";
$email  = "";
$errors = array();

// connect to the database
$db = mysqli_connect('localhost', 'root', '', 'College');

// REGISTER USER
if (isset($_POST['reg_user'])) {
    // receive all input values from the form
    $username = mysqli_real_escape_string($db, $_POST['username']);
    $email = mysqli_real_escape_string($db, $_POST['email']);
    $password_1 = mysqli_real_escape_string($db, $_POST['password_1']);
    $password_2 = mysqli_real_escape_string($db, $_POST['password_2']);

    // form validation: ensure that the form is correctly filled ...
    // by adding (array_push()) corresponding error unto $errors array
    if (empty($username)) { array_push($errors, "Username is required"); }
    if (empty($email)) { array_push($errors, "Email is required"); }
```

```
if (empty($password_1)) { array_push($errors, "Password is required"); }
```

```
if ($password_1 != $password_2) {  
    array_push($errors, "The two passwords do not match");  
}
```

```
// first check the database to make sure
```

```
// a user does not already exist with the same username and/or email
```

```
$user_check_query = "SELECT * FROM student_table WHERE username='$username' OR  
email='$email' LIMIT 1";
```

```
$result = mysqli_query($db, $user_check_query);
```

```
$user = mysqli_fetch_assoc($result);
```

```
if ($user) { // if user exists
```

```
    if ($user['username'] === $username) {  
        array_push($errors, "Username already exists");  
    }
```

```
    if ($user['email'] === $email) {  
        array_push($errors, "email already exists");  
    }
```

```
}
```

```
// Finally, register user if there are no errors in the form
```

```
if (count($errors) == 0) {
```



```
$password = md5($password_1);//encrypt the password before saving in the database
```

```
$query = "INSERT INTO student_table (username, email, password)
```

```
VALUES('$username', '$email', '$password')";
```

```
mysqli_query($db, $query);
```

```
$_SESSION['username'] = $username;
```

```
$_SESSION['success'] = "You are now logged in";
```

```
header('location: index.php');
```

```
}
```

```
}
```

```
// LOGIN USER
```

```
if (isset($_POST['login_user'])) {
```

```
    $username = mysqli_real_escape_string($db, $_POST['username']);
```

```
    $password = mysqli_real_escape_string($db, $_POST['password']);
```

```
    if (empty($username)) {
```

```
        array_push($errors, "Username is required");
```

```
    }
```

```
    if (empty($password)) {
```

```
        array_push($errors, "Password is required");
```

```
    }
```

```
    if (count($errors) == 0) {
```

```
$password = md5($password);

$query = "SELECT * FROM student_table WHERE username='$username' AND
password='$password'";

$results = mysqli_query($db, $query);

if (mysqli_num_rows($results) == 1) {

    $_SESSION['username'] = $username;

    $_SESSION['success'] = "You are now logged in";

    header('location: index.php');

}else {

    array_push($errors, "Wrong username/password combination");

}

}

}




?>
```

## ❖ Output:

The image displays two screenshots of a web browser window showing a login page. The browser's address bar indicates the URL is `localhost:8080/wp/PHP/PR/login.php`. The page features a teal header with the word "Login" in white. Below the header, there are two input fields: "Username" and "Password". A teal "Login" button is positioned below the password field. At the bottom of the form, there is a link that says "Not yet a member? [Sign up](#)".

In the first screenshot, the "Username" field is empty, and the "Password" field is also empty. In the second screenshot, the "Username" field contains the text "rohit", and the "Password" field contains masked characters (dots).

localhost:8080/wp/PHP/PR/index.php

Home  Android Design, Da...  gateoverflow - Goo...  SCIENTIFIC CALCUL...  Aptitude Questions...  RECRUITMENT FOR... 

## Home Page

You are now logged in

Welcome **rohit**

[logout](#)

## PRACTICAL:27

**AIM: Write a program to demonstrate use of sessions and cookies.**

❖ **pr18.php:**

**//COOKIES**

```
<form method="POST">

Enter Cookiee name:<input type="text" name="name">

<input type="submit" name=submit>

</form>

<?php

if(!isset($_COOKIE['user']) && isset($_POST['name']))
{
    setcookie("user",$_POST['name'],time()+3600);
    header('location:P27_1(1).php');
}

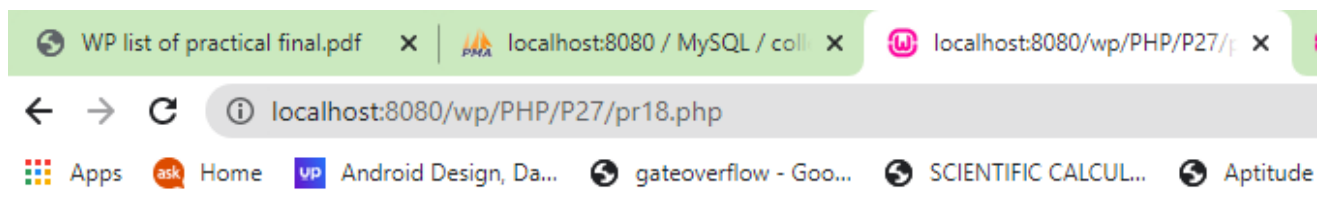
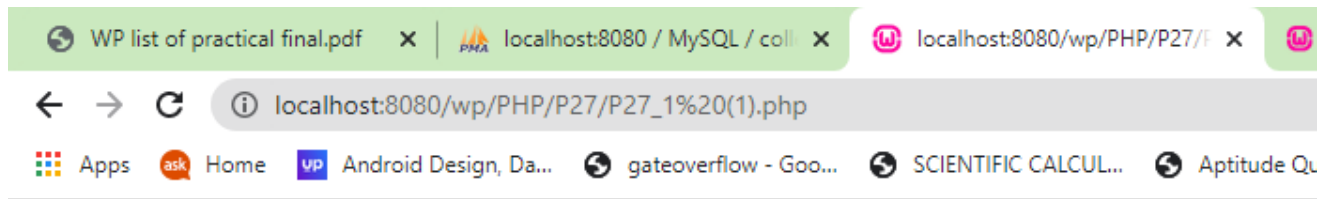
if(isset($_COOKIE['user']))
{
    echo "Cookie Name:".$_COOKIE['user'];
    echo "<br>Delete Cookie?";
    echo '<a href="P27_1(1).php?delete=y">Delete Cookie</a>';
}

if(isset($_REQUEST['delete']))
{
```

```
setcookie('user',$_POST['name'],time()-3600);  
  
header('location:P27_1(1).php');  
  
}
```

?>

#### ❖ Output:



Enter Cookie name:  Submit

Cookie Name:rohit  
Delete Cookie?[Delete Cookie](#)

**❖ pr18\_2.php:**

```
//SESSION
```

```
<?php
```

```
session_start();
```

```
?>
```

```
<form method="POST">
```

```
Enter Session name:<input type="text" name="name">
```

```
<input type="submit" name=submit>
```

```
</form>
```

```
<?php
```

```
if(!isset($_SESSION['user']) && isset($_POST['name']))
```

```
{
```

```
    $_SESSION['user']=$_POST['name'];
```

```
    header('location:pr18_2.php');
```

```
}
```

```
if(isset($_SESSION['user']))
```

```
{
```

```
    echo "Session Name:".$_SESSION['user'];
```

```
    echo "<br>Delete Session?";
```

```
    echo '<a href="pr18_2.php?delete=y">Delete session</a>';
```

```
}
```

```
if(isset($_REQUEST['delete']))  
{  
    session_destroy();  
    header('location:pr18.php');  
}  
?>
```

**❖ Output:**