

1. Create a simple HTML file to demonstrate the use of different tags.

Program code:

```
<html>

<head>

<title> simple html file </title>

</head>

<body bgcolor="lightblue">

<center>

<h1> simple tags heading H1</h1>

<h2> heading H2 </h2>

<h3> heading H3 </h3>

<b> this text is bold</b><br><br>

<i> this text is italic</i><br><br>

<p>this tag ,<mark>mark or
highlighted!</mark></p><br>
```

`<p align="justify">this is a paragraph The purpose of a web browser (Chrome, Edge, Firefox, Safari) is to read HTML documents and display them correctly.`

`A browser does not display the HTML tags</p>`

`<p>this is _{subscripted} text</p>

`

`<p>this is ^{superscripted} text</p>

`

`

`

`Link example

`

`</center>`

`<h2>type of Lists</h2>`

`<h3>UNORDERED</h3>`

``

`coffee`

`tea`

`milk`

``

`<h3>ORDERED</h3>`

coffee

tea

milk

</body>

</html>

Output :

simple tags heading H1

heading H2

heading H3

this text is bold

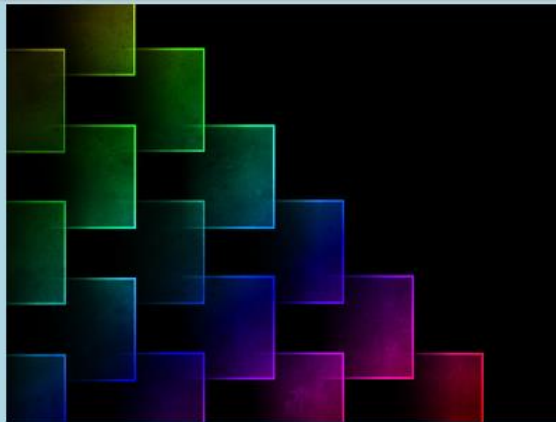
this text is italic

this tag ,mark or highlighted!

this is a paragraph The purpose of a web browser (Chrome, Edge, Firefox, Safari) is to read HTML documents and display them correctly. A browser does not display the HTML tags

this is _{subscripted} text

this is ^{superscripted} text



[Link example](#)

type of Lists

UNORDERED

- coffee
- tea
- milk

ORDERED

1. coffee
2. tea
3. milk

2. Create a HTML file to link to different HTML page which contains images, tables, and also link within a page.

Program code:

Page1.html

```
<html>

<head>

<title>simple html page2</title>

</head>

<body bgcolor="lightgreen">

<center>

<h1>IMAGES</h1><br><br>





<br><br>

<a href="page2.html"> Go to next page </a>

</body>
```

</html>

Page2.html

<html>

<head>

<title>simple html page3</title>

</head>

<body bgcolor="lightblue">

<center>

<h1> TABLES </H1>

<table border="1">

<tr>

<th> Regno&Name </th>

<th> Course </th>

<th colspan="2"> Mark Obtained </th>

<th> Total Marks </th>

</tr>

<tr>

<td rowspan="4" align="center"> 22011
 X </td>

<td rowspan="2" align="center"> ML </td>

<td> Internal </td>

<td> 39 </td>

<td rowspan="2" align="center"> 89 </td>

</tr>

<tr>

<td> External </td>

<td> 50 </td>

</tr>

<tr>

<td rowspan="2" align="center"> CN </td>

<td> Internal </td>

<td> 35 </td>

<td rowspan="2" align="center"> 80 </td>

</tr>

<tr>

<td> External </td>

<td> 45 </td>

</tr>

<tr>

<th colspan="4" align="right"> Grand Total </th>

<th> 169 </th>

</tr>

</table>

 Go back to IMAGE page

</body>

</html>

Output :

IMAGES



[Go to next page](#)

Activate Windows
Go to Settings to activate Windows.



TABLES

Regno&Name	Course	Mark Obtained		Total Marks
22011 X	ML	Internal	39	89
		External	50	
	CN	Internal	35	80
		External	45	
Grand Total				169

[Go back to IMAGE page](#)

Activate Windows
Go to Settings to activate Windows.

3. Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.

Program code:

frame.html

```
<html>

<head>

<title> MES </title>

</head>

<frameset rows="15%,85%">

  <frame src="title.html">

<frameset cols="20%,80%">

  <frame src="mca.html">

  <frame src="right.html" name="frame3">

</html>
```

title.html

```
<html>

<body bgcolor="pink">
```

<CENTER>

 MES COLLEGE OF
ENGINEERING, KUTTIPURAM

</CENTER>

</BODY>

</HTML>

mca.html

<html>

```
<body bgcolor="pink">
```

[illegible]

[MCA](dtl.html)

</CENTER>

</BODY>

</HTML>

right.html

```
<html>
```

```
<body bgcolor="pink">
```

```
<font color="blue" size="6">
```

```
<b><u> ABOUT MESCE </u></b>
```

```
</FONT>
```

```
<P align="justify"><font size="5"> M.E.S College of  
Engineering, the first Engineering College established  
under the self financing sector in Kerala is
```

```
    situated on the beautiful and serene banks of Nila or  
    Bharathapuzha. It was established as an institution with  
    minority
```

```
    status in 1994.</p>
```

```
<center>
```

```

```

```
<font size="5">
```

`<P align="justify">Widely acknowledged as one of the
premier institutions imparting technical education in the
state, the college offers admission to all categories of
students with special consideration to educationally
backward communities....</p>`

``

`</CENTER>`

`</BODY>`

`</HTML>`

dtl.html

`<html>`

`<body bgcolor="pink">`

`<center>`

``

``

`<u> Master Of Computer Application </u>`

``

``

</center>

<P align="justify">Department of Computer Applications started in the year 1999 offers full-time Master of Computer Applications program. This was the first MCA program to be offered in the self-financing sector in Kerala. Since its inception, it had been producing technical graduates whose presence have spanned the entire spectrum of Information Technology in India and abroad.

</p>

<center>

</center>

<P align="justify">MCA at MESCE is a two-year (Four Semester) professional master's degree in Computer Applications under APJ Abdul Kalam Technological University. The course has been structured in line with

the prevailing technology of the industry. It teaches theory and gives due importance to practical knowledge. This program understands the scope and standards of the industry and accordingly creates software engineers to the current demand of the Industry.

</p>

VISION

<P align="justify">To facilitate transformation of students into competent professionals with human values and social commitment.</p>

MISSION

- To equip students to face the industry challenges.

- To inculcate leadership qualities, human values and social responsibilities in the youth to make them leaders in nation building.

- To build research interest in students and thereby contribute meaningfully to the prosperity of the nation.

Curriculum

<tr>

<th rowspan="2">Semester</th>

<th colspan="2"> Courses Offered </th>

<th rowspan="2">Credit</th>

<th colspan="3"> Marks Distribution </th>

</tr>

<tr>

<th>Name</th>

<th>Category</th>

<th>CIE</th>

<th>ESE</th>

<th>Total</th>

</tr>

<tr>

<td align="center" rowspan="2"> I </td>

<td>MFC</td>

<td>Theory</td>

<td>4</td>

<td>40</td>

<td>60</td>

<td>100</td>

</tr>

<tr>

<td>WPLAB</td>

<td>Practical</td>

<td>2</td>

<td>50</td>

<td>50</td>

<td>100</td>

</tr>

<tr>

<td colspan="3"></td>

<td>6</td>

<td>90</td>

<td>110</td>

<td>200</td>

</tr>

</body>

</html>

Output :

MES COLLEGE OF ENGINEERING, KUTTIIPURAM

MCA

ABOUT MESCE

M.E.S College of Engineering, the first Engineering College established under the self financing sector in Kerala is situated on the beautiful and serene banks of Nila or Bharathapuzha. It was established as an institution with minority status in 1994.



Widely acknowledged as one of the premier institutions imparting technical education in the state, the college offers admission to all categories of students with special consideration to educationally backward communities....

MES COLLEGE OF ENGINEERING, KUTTIIPURAM

MCA

Master Of Computer Application

Department of Computer Applications started in the year 1999 offers full-time Master of Computer Applications program. This was the first MCA program to be offered in the self-financing sector in Kerala. Since its inception, it had been producing technical graduates whose presence have spanned the entire spectrum of Information Technology in India and abroad.



Activate Windows
Go to Settings to activate Windows.

MES COLLEGE OF ENGINEERING, KUTTIPURAM

MCA

MCA at MESCE is a two-year (Four Semester) professional master's degree in Computer Applications under APJ Abdul Kalam Technological University. The course has been structured in line with the prevailing technology of the industry. It teaches theory and gives due importance to practical knowledge. This program understands the scope and standards of the industry and accordingly creates software engineers to the current demand of the Industry.

VISION

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MES COLLEGE OF ENGINEERING, KUTTIPURAM

MCA

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Curriculum

Semester	Courses Offered		Credit	Marks Distribution		
	Name	Category		CIE	ESE	Total
I	MFC	Theory	4	40	60	100
	WPLAB	Practical	2	50	50	100
			6	90	110	200

Activate Windows

Go to Settings to activate Windows.

4. Create a HTML file by applying the different styles using inline, external & internal style sheets.

Program code:

frame.html

```
<html>

<head>

<title> MES </title>

</head>

<frameset rows="20%,80%">

  <frame src="title.html">

<frameset cols="20%,80%">

  <frame src="mca.html">

  <frame src="right.html" name="frame3">

</html>
```

title.html

```
<html>

<body style=" background-color : lavender ;">
```

```
<div style=" height:100%; display:grid; place-
items:center; "><h1 style=" background-
color:tomato;color:white; text-align:center; "> MES
COLLEGE OF ENGINEERING, KUTTIPURAM </h1></div>
```

```
</BODY>
```

```
</HTML>
```

mca.html

```
<html>
```

```
<head>
```

```
<style>
```

```
body
```

```
{
```

```
background-color:lavender;
```

```
}
```

```
h2
```

```
{
```

```
text-align:center;
```

```
}
```

```
div
{
height:100%;
display:grid;
place-items:center;
}
</style>
</head>
<body>
<CENTER>

<div> <a href="dtl.html" target="frame3" > MCA
</a></div>

</CENTER>
</BODY>
</HTML>
```


right.html

<html>

<head>

<link rel="stylesheet" href="external.css">

</head>

<body>

<h1>

ABOUT MESCE

</h1>

<P> M.E.S College of Engineering, the first Engineering College established under the self financing sector in Kerala is

situated on the beautiful and serene banks of Nila or Bharathapuzha. It was established as an institution with minority

status in 1994.</p>

<center>

```

```

```
</CENTER>
```

```
<P>Widely acknowledged as one of the premier
institutions imparting technical education in the state,
the college offers admission to all categories of students
with special consideration to educationally backward
communities....</p>
```

```
</BODY>
```

```
</HTML>
```

external.css

body

{

background-color:lavender;

}

h1

{

color:brown;

```
}
```

```
p
```

```
{
```

```
color:#4d0000;
```

```
font-size:25px;
```

```
text-align:justify;
```

```
}
```

```
dtl.html
```

```
<html>
```

```
<head>
```

```
<title> Mes Collage </title>
```

```
<style>
```

```
body
```

```
{
```

```
background-color:lavender;
```

```
}
```

```
img
```

```
{  
border-radius:50%;  
height:300px;  
width:300px;  
}
```

#h2

```
{  
color:blue;  
text-align:center;  
}
```

.h2

```
{  
color:brown;  
font-size:30;  
}
```

.p

```
{
```

```
text-align:justify;
```

```
font-size:20;
```

```
}
```

```
#p
```

```
{
```

```
color:red;
```

```
text-align:justify;
```

```
font-size:20;
```

```
}
```

```
table
```

```
{
```

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

```
background-color:lightgray;
```

```
}
```

```
th
```

```
{
```

```
border:2px solid black;
```

```
color:maroon;
```

```
}
```

```
td
```

```
{
```

```
border:2px solid black;
```

```
color:black;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h2 id="h2">
```

```
Master Of Computer Application
```

```
</h2>
```

```
<P class="p">Department of Computer Applications  
started in the year 1999 offers full-time Master of  
Computer Applications program. This was the first MCA  
program to be offered in the self-financing sector in  
Kerala. Since its inception, it had been producing
```

technical graduates whose presence have spanned the entire spectrum of Information Technology in India and abroad.

</p>

<center>

</center>

<P id="p">MCA at MESCE is a two-year (Four Semester) professional master's degree in Computer Applications under APJ Abdul Kalam Technological University. The course has been structured in line with the prevailing technology of the industry. It teaches theory and gives due importance to practical knowledge. This program understands the scope and standards of the industry and accordingly creates software engineers to the current demand of the Industry.

</p>

<h2 class="h2"> VISION </h2>

- To facilitate transformation of students into competent professionals with human values and social commitment.

MISSION

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<h2 class="h2">Curriculum </h2>

<table>

<tr>

<th rowspan="2">Semester</th>

<th colspan="2"> Courses Offered </th>

<th rowspan="2">Credit</th>

<th colspan="3"> Marks Distribution </th>

</tr>

<tr>

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<td>60</td>

<td>100</td>

</tr>

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<td>WPLAB</td>

<td>Practical</td>

<td>2</td>

<td>50</td>

<td>50</td>

<td>100</td>

</tr>

```
<tr>
```

```
<td colspan="3"></td>
```

```
<td>6</td>
```

```
<td>90</td>
```

```
<td>110</td>
```


```
<td>200</td>
```


```
</tr>
```

```
</body>
```

```
</html>
```

Output :

MES COLLEGE OF ENGINEERING, KUTTIPURAM	
MCA	<p>ABOUT MESCE</p> <p>M.E.S College of Engineering, the first Engineering College established under the self financing sector in Kerala is situated on the beautiful and serene banks of Nila or Bharathapuzha. It was established as an institution with minority status in 1994.</p>  <p>Widely acknowledged as one of the premier institutions imparting technical education in the state, the college offers admission to all categories of students with special consideration to educationally backward communities.</p>

MES COLLEGE OF ENGINEERING, KUTTIPURAM	
MCA	<p>Master Of Computer Application</p> <p>Department of Computer Applications started in the year 1999 offers full-time Master of Computer Applications program. This was the first MCA program to be offered in the self-financing sector in Kerala. Since its inception, it had been producing technical graduates whose presence have spanned the entire spectrum of Information Technology in India and abroad.</p>  <p>Activate Windows Go to Settings to activate Windows.</p>

MES COLLEGE OF ENGINEERING, KUTTIPURAM

MCA

MCA at MESCE is a two-year (Four Semester) professional master's degree in Computer Applications under APJ Abdul Kalam Technological University. The course has been structured in line with the prevailing technology of the industry. It teaches theory and gives due importance to practical knowledge. This program understands the scope and standards of the industry and accordingly creates software engineers to the current demand of the Industry.

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Go to Settings to activate Windows.

MES COLLEGE OF ENGINEERING, KUTTIPURAM

MCA

MISSION

- To equip students to face the industry challenges.
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Curriculum

Semester	Courses Offered		Credit	Marks Distribution		
	Name	Category		CIE	ESE	Total
I	MFC	Theory	4	40	60	100
	WPLAB	Practical	2	50	50	100
			6	90	110	200

Activate Windows

Go to Settings to activate Windows.

5. Create a registration form using HTML.

Program code:

```
<html>

<head>

<title>form</title>

<style>

.right

{

    position:relative;

    left:700px;

    color:brown;

}

.body

{

    background-color:powderblue;

}

.ad
```

```
{  
    position:relative;  
    left:-7;  
}
```

.gen

```
{  
    position:relative;  
    left:1;  
}
```

.date

```
{  
    position:relative;  
    left:-28;  
}
```

.fl

```
{  
    width:500;
```

```
        background-color:lavender;  
    }
```

```
.h3
```

```
{  
  
    position:absolute;  
  
    left:650;  
  
    top:370;  
}
```

```
.h3_sub
```

```
{  
  
    position:absolute;  
  
    left:650;  
  
    top:395;  
}
```

```
.other
```

```
{  
  
    position:relative;
```



```
        left:50;
    }
</style>
</head>
<body class="body">
<h2 class="right">Registration Form</h2>
<center>
<form>
<fieldset class="fl">
<legend align="left"><h3>Persional
Information</h3></legend>
<label>Name  : </label>
<select>
<option>Mr.</option>
<option>Ms.</option>
</select>
```

```
<input type="text" name="name" value="Enter Your  
Name" size="13"><br><br>
```

```
<label>Email : </label> <input type="email"  
name="email"  
value="eg;example@gmail.com"><br><br>
```

```
<label class="ad">Address : </label> <textarea class="ad"  
cols="21" rows="5" name="address"  
></textarea><br><br>
```

```
<label class="gen">Gender : </label>
```

```
<input class="gen" type="radio" name="gender"><label  
class="gen">Male</label>
```

```
<input class="gen" type="radio" name="gender"><label  
class="gen">Female</label>
```

```
<input class="gen" type="radio" name="gender"><label  
class="gen">Other</label> <br><br>
```

```
<label class="date">DOB : </label> <input class="date"  
type="date" name="dob">
```

```
</fieldset>
```

```
</center>
```

```
<h3 class="h3">Languages Known</h3><br>
```

```
<p class="h3_sub">
```

```
<input type="checkbox" name="eng">
```

```
<label>English</label><br>
```

```
<input type="checkbox" name="mala">
```

```
<label>Malayalam</label><br>
```

```
<input type="checkbox" name="hin">
```

```
<label>Hindi</label><br><br>
```

```
<label>Select a File</label> <button value="choose">
```

```
Choose </button><br><br>
```

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

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

```
</p>
```

```
</form>
```

```
</body>
```

```
</html>
```

Output :

Registration Form

Personal Information
Name :
Email :

Address :
Gender : ☒ Male ☐ Female ☐ Other
DOB :

Languages Known
☒ English
☐ Malayalam
☒ Hindi
Select a File

Activate Windows
Go to Settings to activate Windows.

6. Develop a registration form using PHP and do necessary validations.

Program code:

```
<?php

$nameError = $emailError = $genderError =
$phonenoError = "";

$name = $email = $gender = $phoneno = $comment = "";

if($_POST){

if (empty($_POST["name"])) {

$nameError = "Name is required";

} else {

$name = test_input($_POST["name"]);

if (!preg_match("/^[a-zA-Z ]*$/",$name)) {

$nameError = "Only letters and white space allowed";

}

}

if (empty($_POST["email"])) {
```

```
$emailError = "Email is required";

} else {

$email = test_input($_POST["email"]);

if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {

$emailError = "Invalid Email format";

}

}

if (empty($_POST["phoneno"])) {

$phonenoError = "Phone is required";

} else {

$phoneno = test_input($_POST["phoneno"]);

if(!preg_match("/^[0-9]{10}+$/", $phoneno)) {

$phonenoError= "Invalid Phone Number";

}

}

if (empty($_POST["comment"])) {

$comment="";
```

```
} else {  
  
$comment = test_input($_POST["comment"]);  
  
}  
  
if (empty($_POST["gender"])) {  
  
$genderError = "Gender is required";  
  
} else {  
  
$gender = test_input($_POST["gender"]);  
  
}  
  
}  
  
function test_input($data) {  
  
$data = trim($data);  
  
$data = stripslashes($data);  
  
$data = htmlspecialchars($data);  
  
return $data;  
  
}  
  
?>
```

```
<html>
```

```
<head>
```

```
<title>Form Validation with PHP</title>
```

```
<style>
```

```
.error{
```

```
color:red
```

```
}
```

```
textarea{
```

```
width:250px;
```

```
height:60px;
```

```
border:none
```

```
}
```

```
.input{
```

```
width:300px;
```

```
height:25px;
```



```
margin-top:10px;
```

```
border:none;
```

```
}
```

```
form{
```

```
position:relative;
```

```
left:500;
```

```
width:440px;
```

```
padding: 20px ;
```

```
background-color:#a0f8ee;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h2 align = "center">Form Validation with PHP</h2>
```

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

```
<h2>Registration Form</h2>
```

```
<span class="error">* required field</span><br>
```

*

Name:

<input class="input" name="name" type="text"
value="<?= \$name ?>">

<?php echo
\$nameError;?>

*

E-mail:

<input class="input" name="email" type="text"
value="<?= \$email ?>">

<?php echo
\$emailError;?>

*

Phone:

<input class="input" name="phoneno" type="text"
value="<?= \$phoneno ?>">

<?php echo
\$phonenoError;?>


```
<span class="error">*</span>
```

Gender:

```
<input type="radio" name="gender" <?php if  
(isset($gender) && $gender == "female") echo  
"checked";?> value="female">Female
```

```
<input type="radio" name="gender" <?php if  
(isset($gender) && $gender == "male") echo  
"checked";?> value="male">Male
```

```
<input type="radio" name="gender" <?php if  
(isset($gender) && $gender == "other") echo  
"checked";?> value="other">Other<br>
```

```
<span class="error"><?php echo  
$genderError;?></span><br><br>
```

Comment:

```
<textarea cols="40" name="comment" rows="5">
```

```
</textarea><br><br>
```

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

```
</form>
```

```
<?php
```

```
echo "<h1>Your Input:</h1><h2>"
```

```
echo $name;
```

```
echo "<br>"
```

```
echo $email;
```

```
echo "<br>"
```

```
echo $phoneno;
```

```
echo "<br>"
```

```
echo $gender;
```

```
echo "<br>"
```

```
echo $comment."</h2>"
```

```
?>
```

```
</body>
```

```
</html>
```

Output :

Form Validation with PHP

Registration Form

* required field

* Name:

* E-mail:

* Phone:

* Gender: ☐ Female ☒ Male ☐ Other

Comment:

Your Input:

sonal
ab@gmail.com
4942965410
male
ukh

Activate Windows
Go to Settings to activate Windows.

7. Compose Electricity bill from user input based on a given tariff using PHP.

Program code:

```
<html>

<head><style>input{border:solid 2px; padding:5px;font-
size: 28px;}</style></head>

<body>

    <h1>Php - Calculate Electricity Bill</h1>

    <form method="post">

        <input type="number" width="10px" name="units"
placeholder="Please enter no. of Units" />

        <input type="submit" name="unit-submit"
value="Submit" />

    </form>

</body>

<?php

$result_str = $result = "";

if (isset($_POST['unit-submit'])) {
```

```
$units = $_POST['units'];  
if (!empty($units)) {  
    $result = calculate_bill($units);  
    $result_str = '<h2>Total amount of ' . $units . ' - ' .  
$result."</h2>";  
    echo $result_str;  
}  
}  
  
function calculate_bill($units) {  
    $unit_cost_first = 3.50;  
    $unit_cost_second = 4.00;  
    $unit_cost_third = 5.20;  
    $unit_cost_fourth = 6.50;  
  
    if($units <= 50) {  
        $bill = $units * $unit_cost_first;  
    }  
}
```

```
else if($units > 50 && $units <= 100) {  
    $temp = 50 * $unit_cost_first;  
    $remaining_units = $units - 50;  
    $bill = $temp + ($remaining_units *  
$unit_cost_second);  
}  
  
else if($units > 100 && $units <= 200) {  
    $temp = (50 * 3.5) + (100 * $unit_cost_second);  
    $remaining_units = $units - 150;  
    $bill = $temp + ($remaining_units *  
$unit_cost_third);  
}  
  
else {  
    $temp = (50 * 3.5) + (100 * $unit_cost_second) +  
(100 * $unit_cost_third);  
    $remaining_units = $units - 250;  
    $bill = $temp + ($remaining_units *  
$unit_cost_fourth);
```



```
}
```

```
return number_format((float)$bill, 2, '.', '');
```

```
}
```

```
?>
```

```
</html>
```

Output :

Php - Calculate Electricity Bill

Enter No Of Unit :

Amount Payable : 835.00

8. Build a PHP code to store name of students in an array and display it using print_r function. Sort and Display the same using asort & arsort functions.

Program code:

```
<?php

$students=array("pra"=>"pranav","sha"=>"shaheen","mid"=>"midun","fala"=>"falahu","mush"=>"mushfique");

echo"<h1>PHP - Students Names Sorting </h1>";

echo "<h2>";

print_r($students);

echo "<br><br>";

echo "The Array sorted using asort : <br>";

asort($students);

print_r($students);

echo "<br><br>";

echo "The Array sorted using arsort : <br>";

arsort($students);

print_r($students);
```

```
echo "</h2>";
```

```
?>
```

Output :

PHP - Students Names Sorting

Array ([pra] => pranav [sha] => shaheen [mid] => midun [fala] => falahu [mush] => mushfique)

The Array sorted using asort :

Array ([fala] => falahu [mid] => midun [mush] => mushfique [pra] => pranav [sha] => shaheen)

The Array sorted using arsort :

Array ([sha] => shaheen [pra] => pranav [mush] => mushfique [mid] => midun [fala] => falahu)

9. Build a PHP code to store name of Indian Cricket players in an array and display the same in HTML table.

Program code:

```
<html>

<head>

    <style>

        .c

        {

            border: solid 1px; font-size:28px; padding:3;

        }

    </style>

</head>

<body>

<?php

$data=
array(array('1','Sachin','Tendulkar'),array('2','Virat','Kohli'
),array('3','MS','Dhoni'));

echo "<h1> Indian Cricket players </h1>";
```

```
echo "<table class=c>";

echo "<tr class=c><th class=c>NO</th><th class=c>First
Name</th><th class=c>Last Name</th></tr>";

foreach ($data as $a)
{
    echo "<tr class=c>";
    foreach($a as $v)
    {
        echo "<td class=c>".$v."</td>";
    }
    echo "</tr>";
}

echo "</table>";

?>

</body>

</html>
```

Output :

Indian Cricket players

NO	First Name	Last Name
1	Sachin	Tendulkar
2	Virat	Kohli
3	MS	Dhoni

10. Develop a PHP program to connect to a database and retrieve data from a table and show the details in a neat format.

Program code:

prog10.php

```
<?php

$con=mysqli_connect("localhost","root","","college");

if(!$con)

{

    echo "connection failed.!!";

}


$result=$con->query("select * from students");

if($result==false)

{

    echo "query failed.!!";

}
```

```

else
{
    echo "<h1><u> PHP - Database Connection
</u></h1>";
    while($row=$result->fetch_object())
    {
        echo "<h2>".$row->studname." , ".$row-
>email." , ".$row->dob."</h2>";
    }
}
?>

```

SQL (RUN ON PHPMYADMIN)

```
CREATE DATABASE college;
```

```
CREATE TABLE students (id int PRIMARY KEY
AUTO_INCREMENT , studname varchar (50) , email
varchar ( 50) , dob date);
```

```
INSERT INTO students (id,studname,email,dob) VALUES  
(NULL, ' falahudeen p  
t','falahuddeen121@gmail.com','2000-10-27');
```

```
INSERT INTO students (id,studname,email,dob) VALUES  
(NULL, 'nimitha','nimitha@gmail.com','2001-01-18');
```

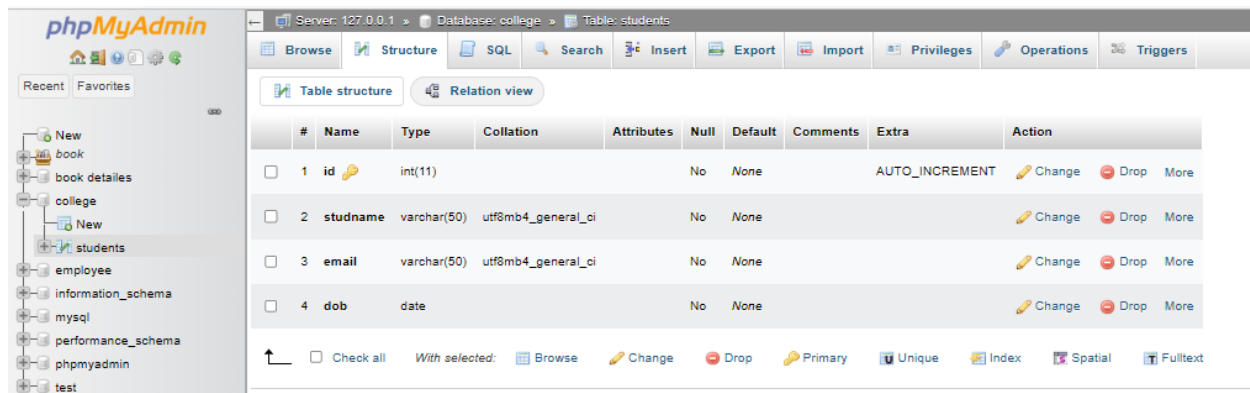
Output :

PHP - Database Connection

falahuddeen p t , falahuddeen121@gmail.com , 2000-10-27

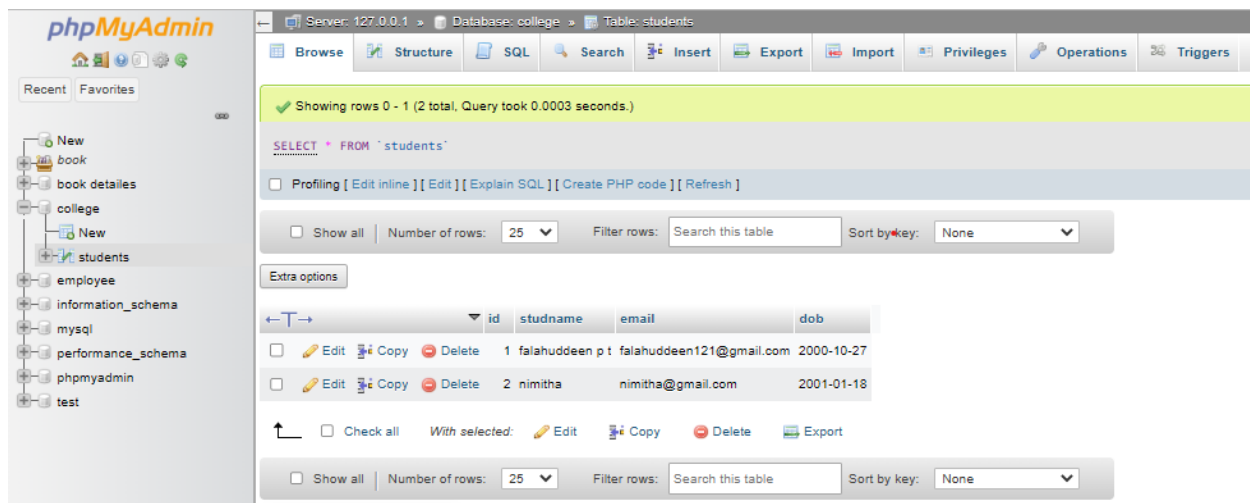
nimitha , nimitha@gmail.com , 2001-01-18

SQL :



The screenshot shows the phpMyAdmin interface with the 'students' table selected. The table structure is displayed in 'Table structure' view. The table has four columns: 'id' (int(11), primary key, auto-increment), 'studname' (varchar(50)), 'email' (varchar(50)), and 'dob' (date). The left sidebar shows the database structure, and the top navigation bar includes options like Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, and Triggers.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	studname	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
3	email	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
4	dob	date			No	None			Change Drop More



The screenshot shows the phpMyAdmin interface with the 'students' table selected. The data is displayed in 'Table structure' view. The table has four columns: 'id', 'studname', 'email', and 'dob'. The data is shown in a table with two rows. The left sidebar shows the database structure, and the top navigation bar includes options like Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, and Triggers.

#	id	studname	email	dob
1	1	falahuddeen p t	falahuddeen121@gmail.com	2000-10-27
2	2	nimitha	nimitha@gmail.com	2001-01-18

11. Create a HTML page to explain the use of various predefined functions in a string and math object in java script.

Program code:

```
<html>

<body>

<h2>String Predefined Functions & Math Object </h2>

<p id="ans1"></p>

<p></p>

<script>

    document.write("<br><H3>String Functions</h3>");

    var text = "Javascript is Simple.!!";

    document.write("<br>The String We Are Using :
"+text);

    var textre = text.replace("Simple","Powerfull");

    document.write("<br><br>String Function Replace
<b>'text.replace'</b> : "+textre);

    var length = text.length;
```

```
document.write("<br><br>String Function length  
<b>'text.length'</b> : "+length);
```

```
var sliced= text.slice(14, 20);
```

```
document.write("<br><br>String Function Slicing  
<b>'text.slice(14,20)'</b> : "+sliced);
```

```
var upper = text.toUpperCase();
```

```
document.write("<br><br>String Function  
UpperCase <b>'text.toUpperCase'</b> : "+upper);
```

```
document.write("<br><BR><BR><H3>Math  
Objects</h3>");
```

```
var c =Math.ceil(3.5);
```

```
document.write("<BR>Math Object Ceil  
<b>'Math.ceil(3.5)'</b> : "+c);
```

```
var f =Math.floor(3.5);
```

```
document.write("<BR><br>Math Object Floor  
<b>'Math.floor(3.5)'</b> : "+f);
```

```
var po = Math.pow(8,2);
```

```
document.write("<BR><br>Math Object Power  
<b>'Math.pow(8,2)'/> : "+po);
```

```
var pi=Math.PI;
```

```
document.write("<BR><br>Math Object PI  
<b>'Math.PI'/> : "+pi);
```

```
</script>
```

```
</body>
```

```
</html>
```

Output :

String Predefined Functions & Math Object

String Functions

The String We Are Using : Javascript is Simple.!

String Function Replace '**text.replace**' : Javascript is Powerfull.!

String Function length '**text.length**' : 22

String Function Slicing '**text.slice(14,20)**' : Simple

String Function UpperCase '**text.toUpperCase**' : JAVASCRIPT IS SIMPLE.!

Math Objects

Math Object Ceil '**Math.ceil(3.5)**' : 4

Math Object Floor '**Math.floor(3.5)**' : 3

Math Object Power '**Math.pow(8,2)**' : 64

Math Object PI '**Math.PI**' : 3.141592653589793

12. Generate the calendar using JavaScript code by getting the year from the user.

Program code:

```
<html>

<body>

<style>

table,

th,

tr,

td {

border: 2px solid;

padding: 2px 3px;

text-align: center;

}

table {

width: 60%;

}
```

```
th {  
background-color: aquamarine;  
}  
</style>  
<script>  
function cal()  
{  
var mnth =  
document.getElementsByName('inputMnth')[0].value;  
var year =  
document.getElementsByName('inputYear')[0].value;  
var heading = document.getElementById('heading');  
var dateString = mnth + " 1," + year;  
heading.innerHTML = mnth.toUpperCase() + " &nbsp;" +  
year;  
var tb = document.getElementById("t");  
var dt = new Date(dateString);  
var cellNum = dt.getDay();
```

```
const mnth31 = ["january", "march", "may", "july",  
"august", "october", "december"];  
  
const mnth30 = ["april", "june", "september",  
"november"];  
  
var count = 1;  
  
for (var i = 1; i < 6; i++)  
{  
    var cel = tb.rows.item(i).cells;  
    for (var j = cellNum; j < 7; j++)  
    {  
        cel.item(j).innerText = count++;  
        if (mnth31.includes(mnth.toLowerCase()))  
        {  
            if (count > 31)  
                break;  
        }  
        else if (mnth30.includes(mnth.toLowerCase()))
```

```
{  
    if (count > 30)  
        break;  
}  
else if (mnth == "February")  
{  
    if (year % 400 == 0 || year % 4 == 0 && year  
% 100 != 0)  
    {  
        if (count > 29)  
        {  
            break;  
        }  
    }  
    else  
    {  
        if (count > 28)
```

```
        {
            break;
        }
    }
}
else
{
    document.write("Enter Valid Month");
    return 0;
}
}
cellNum = 0;
}
}
</script>
<center>
<label>Enter Month </label> &nbsp; &nbsp;
```

```
<input type="textbox" name="inputMnth"><br><br>
<label>Enter Year </label>&nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<input type="textbox" name="inputYear"><br><br>
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<button onClick="cal()">submit</button><br><br><br>
<b>
<h2><label id="heading"></label></h2>
</b>
<!-- <button onClick="showtable1()">submit</button> --
>
<table id="t">
<th style="color: red;">Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
```

<th>Fri </th>

<th>Sat </th>

<tr style="background-color: rgb(186, 248, 248);">

<td style="color: red;"> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

</tr>

<tr style="background-color: rgb(121, 242, 216);">

<td style="color: red;"> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

</tr>

<tr style="background-color: rgb(186, 248, 248);">

<td style="color: red;"> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

</tr>

<tr style="background-color: rgb(121, 242, 216);">

<td style="color: red;"> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

</tr>

<tr style="background-color: rgb(186, 248, 248);">

<td style="color: red;"> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

</tr>

</table>

</center>

</body>

</html>

Output :

Enter Month

october

Enter Year

2000

submit

OCTOBER 2000

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Activate Windows
Go to Settings to activate Windows.



13. Create a HTML registration form and to validate the form using JavaScript code.

Program code:

```
<!DOCTYPE html>

<html>

<head>

<title>Welcome To Registration Form</title>

<script>

    function registration()

    {

        var name= document.getElementById("t1").value;

        var phone= document.getElementById("t2").value;

        var g1=document.getElementById("g1").checked;

        var g2=document.getElementById("g2").checked;

        var g3=document.getElementById("g3").checked;

        var comment=

document.getElementById("c1").value;
```

```
var phoneno = /^\\d{10}$/;
```

```
var letters = /^[A-Za-z]+$/;
```

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

```
{
```

```
    alert('Please enter your name.!');
```

```
}
```

```
else if(!letters.test(name))
```

```
{
```

```
    alert('Name field required only alphabet  
characters.!');
```

```
}
```

```
else if(phone=="")
```

```
{
```

```
    alert('Please enter your phone number.!');
```

```
}
```

```
else if (isNaN(phone))
```

```
{  
    alert('Invalid Phone Number.!');  
}  
else if (!phoneno.test(phone))  
{  
    alert('Not Valid Phone Number (need 10 digits).!');  
}  
else if ((g1=="")&&(g2=="")&&(g3==""))  
{  
    alert('You must select Gender');  
}  
else  
{  
    alert('Thank You for Registration & You are  
Redirecting to Website');  
}  
}
```

```
</script>

</head>

<body>

<center>

<h2>Register Form Validation</h2>

<form style="width:500px;position: relative;left: 500;"
>

<fieldset " ">

<legend>Validation</legend>

<table cellpadding="2" cellspacing="2" align="center" border="1">

<tr>

<td align="right">Enter Name :</td>

<td><input type="text" placeholder="Enter name
here" id="t1"></td>

</tr>

<tr>

<td align="right">Enter Phone Number :</td>
```

```
<td><input type="text" placeholder="Enter Phone
Number here" id="t2"> </td>

</tr>

<tr>

<td align="right">Gender :</td>

<td><input type="radio" name="gender" value="male"
id="g1"> Male

    <input type="radio" name="gender" value="female"
id="g2"> Female

    <input type="radio" name="gender" value="other"
id="g3"> Other</td>

</tr>

<tr>

<td align="right">Comment :</td>

<td><textarea cols="20" rows="5" name="comment"
id="c1"></textarea></td>

</tr>

<tr>
```

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

```
<td>
```

```
<input type="reset" value="Clear Form" id="res">
```

```
<input type="submit" value="Create Account"  
onclick="registration()" /></td>
```

```
</tr>
```

```
</table>
```

```
</fieldset>
```

```
</form>
```

```
</center>
```

```
</body>
```

```
</html>
```


Output :

Register Form Validation

Validation

Enter Name :

Enter Phone Number :

Gender : ☒ Male ☐ Female ☐ Other

Comment :

validation using
JavaScript

This page says
Thank You for Registration & You are Redirecting to Website

Enter Phone Number :

Gender : ☒ Male ☐ Female ☐ Other

Comment :

validation using
JavaScript

14. Create a HTML page to change the background color for every click of a button using JavaScript Event Handling.

Program code:

```
<html>

<head>

    <script>

        function myFun()

        {

            var r=Math.floor(Math.random()*256);

            var g=Math.floor(Math.random()*256);

            var b=Math.floor(Math.random()*256);


            document.body.style.backgroundColor="rgb("+ r
            +","+ g +","+ b +")";

        }

    </script>
```

```
<style>
    button
    {
        position: absolute;
        top: 50%;
        left: 50%;
        padding: 15px;
        font-size: 15px;
    }
</style>
</head>
<body>
<button onclick="myFun()">Change Color</button>
</body>
</html>
```

Output :

Change Color

Activate Windows
Go to Settings to activate Windows.

Change Color

Activate Windows
Go to Settings to activate Windows.

Change Color

Activate Windows
Go to Settings to activate Windows.

15. Create a HTML page to display a new image and text when the mouse comes over the existing content in the page using JavaScript Event Handling.

Program code:

```
<html>

<body>

<style>

img
{
    position: absolute;
    left:460;
    top:50;
    border-radius: 700px;
    height: 590px;
    width: 590px;
}

p
```

```
{  
    position: relative;  
    top: 650;  
    left: 630;  
    font-size: 28px;  
}  
</style>  
<script>  
    function first()  
    {  
  
        document.getElementById("img").src="img1.jpeg";  
  
        document.getElementById("p").innerHTML="<font  
color=magenta>NOW onmouseover</font>";  
  
    }  
  
    function second()
```

```
{
```

```
document.getElementById("img").src="img2.jpeg";
```

```
document.getElementById("p").innerHTML="<font  
color=red>NOW onmouseout</font>";
```

```
}
```

```
</script>
```

```

```

```
<b><p id="p"></p></b>
```

```
</body>
```

```
</html>
```


Output :



Activate Windows
Go to Settings to activate Windows.



NOW onmouseover

Activate Windows
Go to Settings to activate Windows.



NOW onmouseout

Activate Windows
Go to Settings to activate Windows.