

20MCA133 WEB PROGRAMMING LAB

Lab Report Submitted By

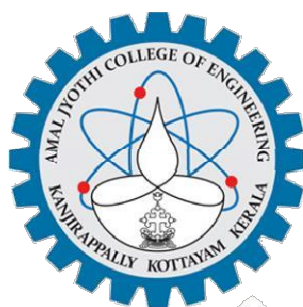
ATHIRA BIJU

Reg. No.:AJC21MCA-2044

In Partial fulfillment for the Award of the Degree Of

**MASTER OF COMPUTER APPLICATIONS (2 Year)
(MCA)**

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY



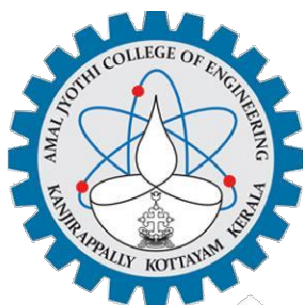
**AMAL JYOTHI COLLEGE OF ENGINEERING
KANJIRAPPALLY**

[Affiliated to APJ Abdul Kalam Technological University, Kerala. Approved by AICTE, Accredited by NAAC with 'A' grade. Koovapally, Kanjirappally, Kottayam, Kerala – 686518]

2021-2022

DEPARTMENT OF COMPUTER APPLICATIONS

AMAL JYOTHI COLLEGE OF ENGINEERING KANJIRAPPALLY



CERTIFICATE

This is to certify that the lab report, “**20MCA133 WEB PROGRAMMING LAB**” is the bonafide work of **ATHIRA BIJU (AJC21MCA-2044)** in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications under APJ Abdul Kalam Technological University during the year 2021-22.

Mr. Binu Mon Joseph
.....
Staff In-Charge

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Program no:1**Aim:**

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

Source Code:

```
<html>

<head>

<title>home</title>

</head>

<body bgcolor="gray">

<h1 style="color:black"><center>Mobile Phones</center></h1>

<center></center>

<font color="Blue">

<h3>

    <p>A mobile phone (also called a mobile cellular network, cell phone, or handphone) is an electric device used for full-duplex two-way radio telecommunication over a cellular network of base stations known as a cell site.</p>

    <p>The main benefit of using the mobile phone is that they make the mode of communication easier and cheapMobile also gives us a facility to contact our fellow person with voice calls, video calls, text messages, recorded calls, and many more.</p></h3>

    <p><a href="https://www.mobileinformation.com/">Visit Here for more info!</a></p>

</font>

</body>

</html>
```

Output:**Mobile Phones**

A mobile phone (also called a mobile cellular network, cell phone, or handphone) is an electric device used for full-duplex two-way radio telecommunication over a cellular network of base stations known as a cell site.

The main benefit of using the mobile phone is that they make the mode of communication easier and cheap. Mobile also gives us a facility to contact our fellow person with voice calls, video calls, text messages, recorded calls, and many more.

[Visit Here for more info!](#)

Program no:2**Aim:**

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

Source Code:

File1.html

```
<html>

<head></head>

<title></title>

<body bgcolor="gray">

<center><p><h3>LINKING PAGE</h3></p></center>

<a href="image.html">click here to open image</a>

<br>

<a href="table.html">click here to open table</a>

</body>

</html>
```

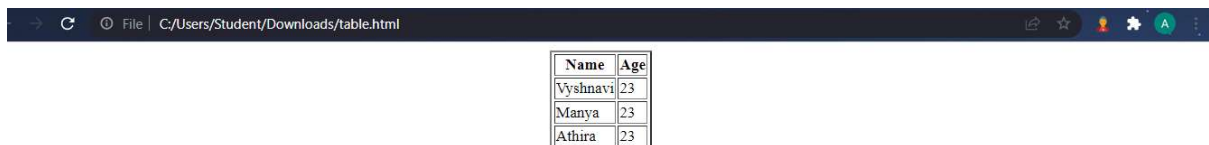
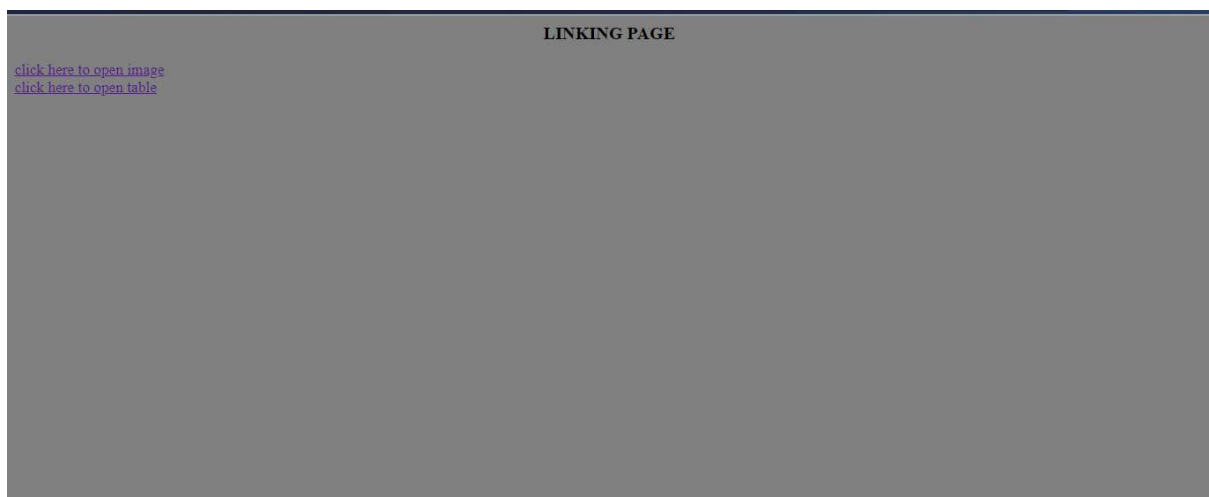
Table.html

```
<html>
<head></head>
<title></title>
<body>
<center>
<table border="2" bgcolor="cyan">
<tr><th>Name</th><th>class</th>
<tr><td>salu</td><td>mca</td></tr>
<tr><td>sandra</td><td>mca</td></tr>
<tr><td>nimya</td><td>mca</td></tr>
<tr><td>achu</td><td>mca</td></tr>
<tr><td>salomi</td><td>mca</td></tr>
</center>
</body>
</html>
```

Image.html

```
<html>
<head>
<title></title>
</head>
<body>

</body>
</html>
```

Output:



Program no:3**Aim:**

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

Source Code:

Text.html

```
<html>
<body bgcolor="gray">
<center><p><h4>CONTACT US</h4>
NAME:<input type="text" name="value">
<br>
ADDRESS:<input type="text" name="value">
<br>

PLACE:<input type="text" name="value">
<br>
CITY:<input type="text" name="value">
<br>
AGE:<input type="text" name="value">
<br>
<input type="button" value="submit"></center>

</body>
</html>
```

Frame3.html

```
<html>
<head>
</head>
<frameset cols="15%,85%">

<frame src="text.html">
<frame src="frame1.html">

<frame src="frame3.html">

</frameset>
</html>
```

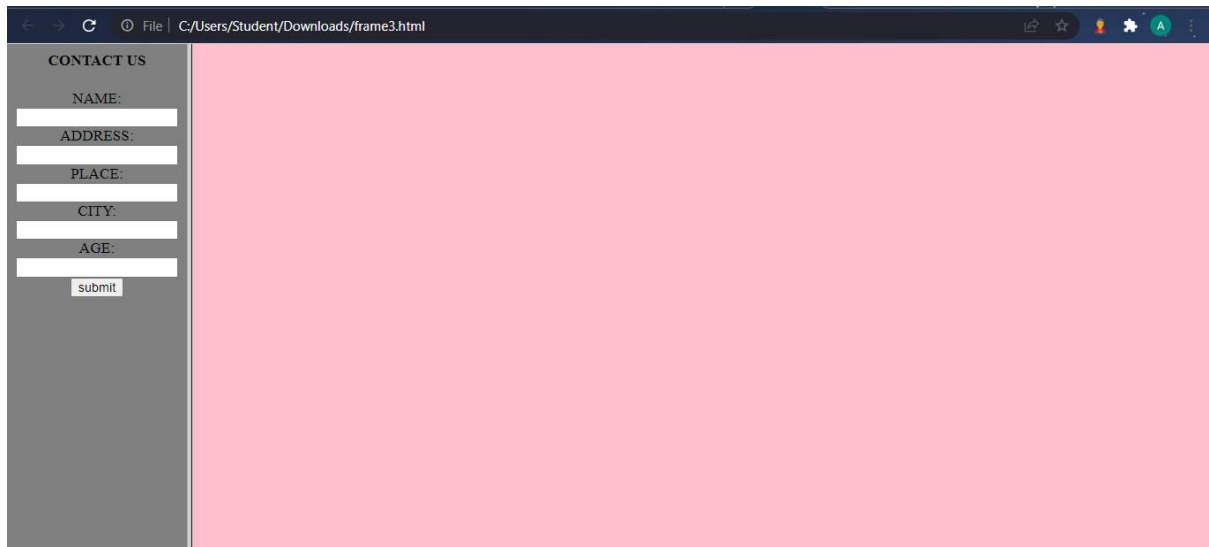
Frame2.html

```
<html>
<body bgcolor="gray">
</html>
```

Frame1.html

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

Output:



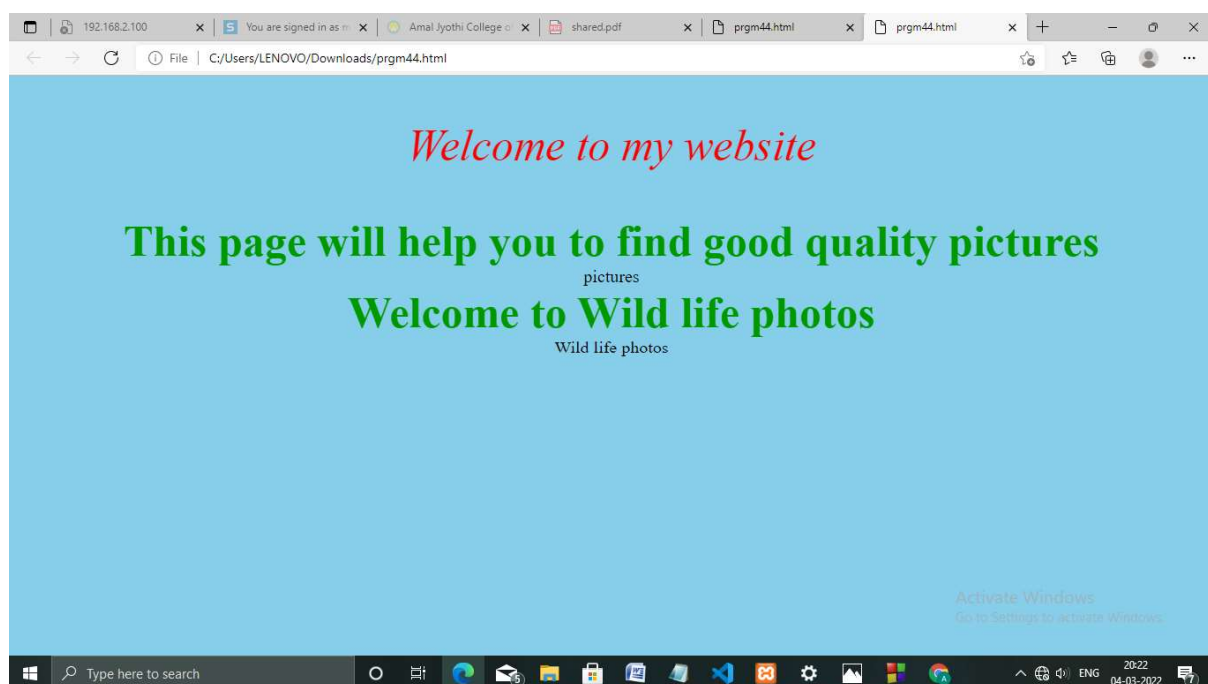
Program no:4**Aim:**

Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="a.css">
    <style>
      .main {text-align:center;}
      .abc {color:#009900;
            font-size:50px;
            font-weight:bold;}
      .xyz {
            font-style:bold;
            font-size:20px;
      }
    body {
      background-color:skyblue;
    }
    .m {
      text-align:center;
    }
    .n {
      color:#009900;
      font-size:50px;
      font-weight:bold;
    }
    #o {
      font-style:bold;
      font-size:20px;
    }
  </style>
</head>
<body>
  <p style = "color:red; font-size:50px;
            font-style:italic; text-align:center;">
    Welcome to my website
  </p>
  <div class = "main">
  <div class ="abc">This page will help you to find good quality pictures</div>
    <div class ="xyz">
      pictures
    </div>
```

```
</div>
<div class = "m">
  <div class ="n">Welcome to Wild life photos</div>
  <div id ="o">
    Wild life photos
  </div>
</div>
</body>
</html>
```

Output:

Program no: 5**Aim:**

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

Source Code:

```
<html>
<body>
<label>Enter a string:</label><input type="text" name="str" id="str1"><br>
<br><label>enter number</label>
<input type="text" name="text1" id="idno1">
<br><br><label>enter power</label>
<input type="text" name="text2" id="idno2">
<script language="javascript" type="text/javascript">
function add()
{var a,b,c,n,m,i,s,sl,sli;
s=(document.getElementById("str1").value);
sl=s.length;
sli=s.slice(5,11);
a=(document.getElementById("idno1").value);
b=(document.getElementById("idno2").value);
c=Math.pow(a,b);
n=Math.sqrt(a);
m=Math.ceil(a);
i=Math.floor(a);
(document.getElementById("strlen").value)=sl;
(document.getElementById("strsli").value)=sli;
(document.getElementById("ans").value)=c;
(document.getElementById("sqr").value)=n;
(document.getElementById("ceil").value)=m;
(document.getElementById("floor").value)=i;
}
</script>
<br><br><button onclick="add()">Get Result</button><br><br><label>Length of the
String :</label><input type="text" id="strlen"><br><br>
```

```
<label>Slice String :</label><input type="text" id="strsli"><br><br>
<label><b><u>Power of a number</u></b></label><br><input type="text" id="ans">
<br><br><label><u><b>Squareroot of the number</b></u></label><br>
<input type="text" id="sqr">
<br><br><label><u><b>Ceil of the number</b></u></label><br>
<input type="text" id="ceil">
<br><br><label><u><b>floor of the number</b></u></label><br>
<input type="text" id="floor">
</body>
</html>
```

Output:

Enter a string:

enter number

enter power

Length of the String :

Slice String :

Power of a number

Squareroot of the number

Ceil of the number

floor of the number

Program no:06**Aim:**

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

Source Code:

```
<html>
<body>
YEAR : <input type="text" id="year_get"><br>
MONTH : <input type="text" id="month_get"><br>
<input type="button" id="subtn" value="Display Calender" onclick="generate()" ><br>
<div id="content"></div>
</body>
<script>
    function generate()
    {
        var init_content = "<table BORDER=1
id='calender'><tr><th>Sun</th><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th>
<th>Fri</th><th>Sat</th></tr><tr>"
        var year_get = document.getElementById("year_get").value;
        var month_get = document.getElementById("month_get").value;
        month_get -=1;
        var date = new Date(year_get,month_get);
        var day = date.getDay();
        for (var i = 0; i < day; i++)
        {
            init_content += "<td></td>";
        }
        while (date.getMonth() == month_get)
        {
            init_content += "<td>" + date.getDate() + "</td>";
            if (date.getDay() == 6)
            {
                init_content += "</tr><tr>";
            }
            date.setDate(date.getDate() + 1);
        }
    }
}
```



```
}  
init_content += "</table>"  
document.getElementById("content").innerHTML = init_content;  
}  
</script>  
</html>
```

Output:

YEAR :

MONTH :

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		

Program no:7**Aim:**

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

Source Code:

```
<html>
<head>
  <title>Reg Form</title>
  <style type="text/css">
    body{
      font-family: Calibri;
    }
    input[type="text"] {
      width: 250px;
    }
    input[type="submit"], input[type="reset"] {
      width: 77px;
      height: 27px;
      position: relative;left: 180px;
    }
    form{
      text-align: center;
      font-family: Calibri;
      font-size: 20px;
      border: 3px solid black;
      width: 600px;
      margin: 20px auto;
    }
    td {
      padding: 10px;
```

```
}  
td:first-child {  
    text-align: right;  
    font-weight: bold;  
}  
td:last-child {  
    text-align: left;  
  
</style>  
<script>  
    function validate() {  
        var fname = document.reg_form.fname;  
        var lname = document.reg_form.lname;  
        var address = document.reg_form.address;  
        var gender = document.reg_form.gender;  
        var email = document.reg_form.email;  
        var mobile = document.reg_form.mobile;  
        var course = document.reg_form.course;  
  
        if (fname.value.length <= 0) {  
            alert("Name is required");  
            fname.focus();  
            return false;  
        }  
        if (lname.value.length <= 0) {  
            alert("Last Name is required");  
            lname.focus();  
            return false;  
        }  
        if (address.value.length <= 0) {  
            alert("Address is required");
```

```
        address.focus();

        return false;
    }

    if (gender.value.length <= 0) {
        alert("Gender is required");
        gender.focus();
        return false;
    }

    if (email.value.length <= 0) {
        alert("Email Id is required");
        email.focus();
        return false;
    }

    if (mobile.value.length <= 0) {
        alert("Mobile number is required");
        mobile.focus();
        return false;
    }

    if (course.value == "select course") {
        alert("Course is required");
        course.focus();
        return false;
    }

    return false;
}

</script>
</head>
<body>
    <center><h1>Form Validation using HTML,CSS,JavaScript</h1></center>
    <hr>
    <form method="" action="" name="reg_form" onsubmit="return validate()">
```

<h2>Registration Form</h2>

<table>

<tr>

<td><label>First Name: </label></td>

<td>

<input type="text" name="fname" placeholder="First Name">

</td>

</tr>

<tr>

<td><label>Last Name: </label></td>

<td>

<input type="text" name="lname" placeholder="Last Name">

</td>

</tr>

<tr>

<td><label>Address: </label></td>

<td>

<input type="textarea" size="50" name="address" placeholder="Address">

</td>

</tr>

<tr>

<td><label>Gender: </label></td>

<td>

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

<input type="radio" name="gender" value="femele">Female

</td>

</tr>

<tr>

<td><label>Email Id: </label></td>

<td>

<input type="text" name="email" placeholder="example@gmail.com">

```
</td>

</tr>

<tr>

<td><label>Mobile: </label></td>

<td>

<input type="number" name="mobile">

</td>

</tr>

<tr>

<td><label>Course: </label></td>

<td>

<select name="course">

<option value="select course">select course</option>

<option value="HTML">HTML</option>

<option value="CSS">CSS</option>

<option value="JavaScript">JAVASCRIPT</option>

<option value="Java">JAVA</option>

</select>

</td>

</tr>

<tr>

<td>

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

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

</td>

</tr>

</table>

</form>

</body>

</html>
```

Output:

Registration form

username:

password:

confirm password:

email:

Address:

abc(h)
xyz (pq)

This page says
enter your e-mail

Program no:8**Aim:**

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

Source Code:

```
<html>

<head>

  <title>

    How to change the background color

    after clicking the button ?

  </title>

</head>

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

  <h1 style = "color:green;" >

    Click here to change the background color

  </h1>

  <p id = "GFG_UP" style =

    "font-size: 16px; font-weight: bold;">

    Click here to change the background color

  </p>

  <button onclick = "gfg_Run()">

    Click here

  </button>

  <p id = "GFG_DOWN" style =

    "color:green; font-size: 20px; font-weight: bold;">

    Click here to change the background color

  </p>

  <script>

    var el_up = document.getElementById("GFG_UP");

    var el_down = document.getElementById("GFG_DOWN");

    var str = "Click on button to change the background color";

    el_up.innerHTML = str;

    function changeColor(color) {
```



```
document.body.style.background = color;

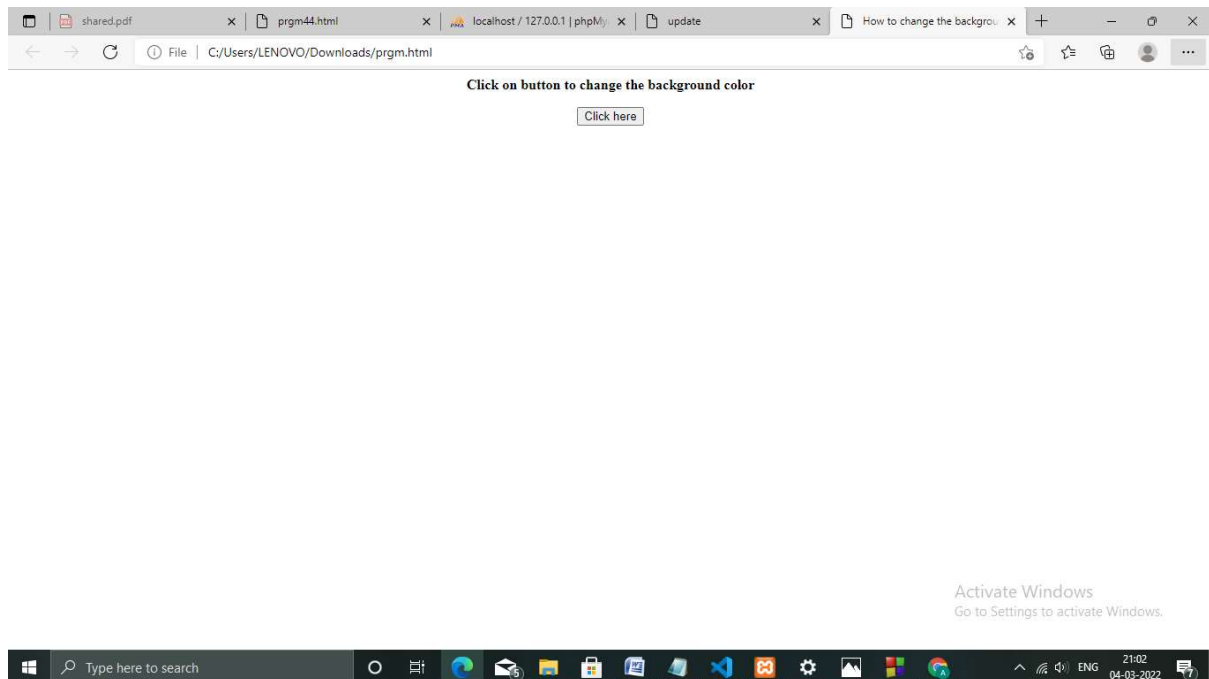
}

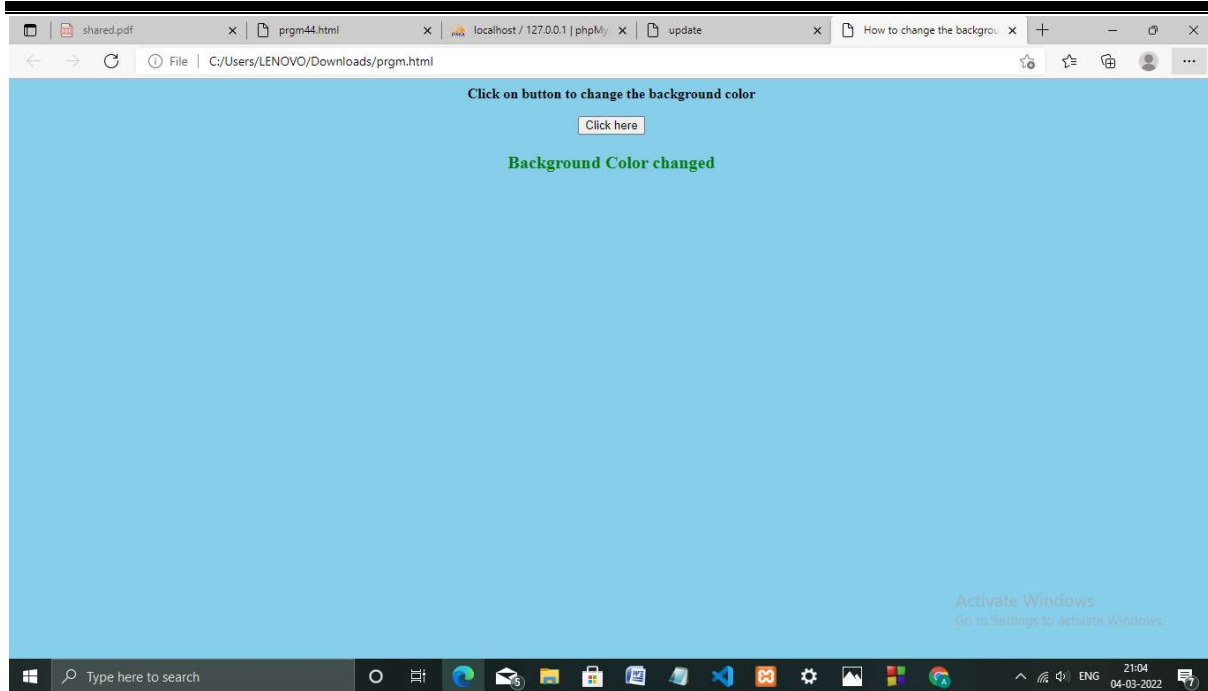
function gfg_Run() {
    changeColor('skyblue');
    el_down.innerHTML = "Background Color changed";
}

</script>

</body>

</html>
```

Output:



Program no:09**Aim:**

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.

Source Code:

```
<html >

<body>

<div class="a" id="a">

<br><br>

<h1 id="text1">Good morning.....</h1>

<h1 id="text2">Good night....</h1>

</div>

<script>

document.getElementById("a").addEventListener("mouseover",ab);

document.getElementById("a").addEventListener("mouseout",bc);

function ab() {

document.getElementById('image').src = "https://wallpaperaccess.com/full/2113857.jpg";

document.getElementById('text1').style.display="none";

document.getElementById('text2').style.display="block"

}

function bc() {

document.getElementById('image').src = "https://image.shutterstock.com/image-

photo/panorama-autumn-river-landscape-belarus-260nw-1960785802.jpg";

document.getElementById('text1').style.display="block";

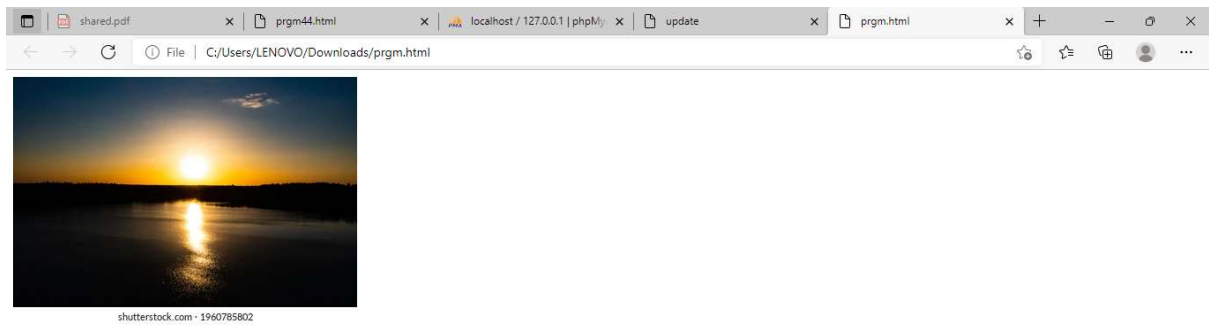
document.getElementById('text2').style.display="none";}

</script>

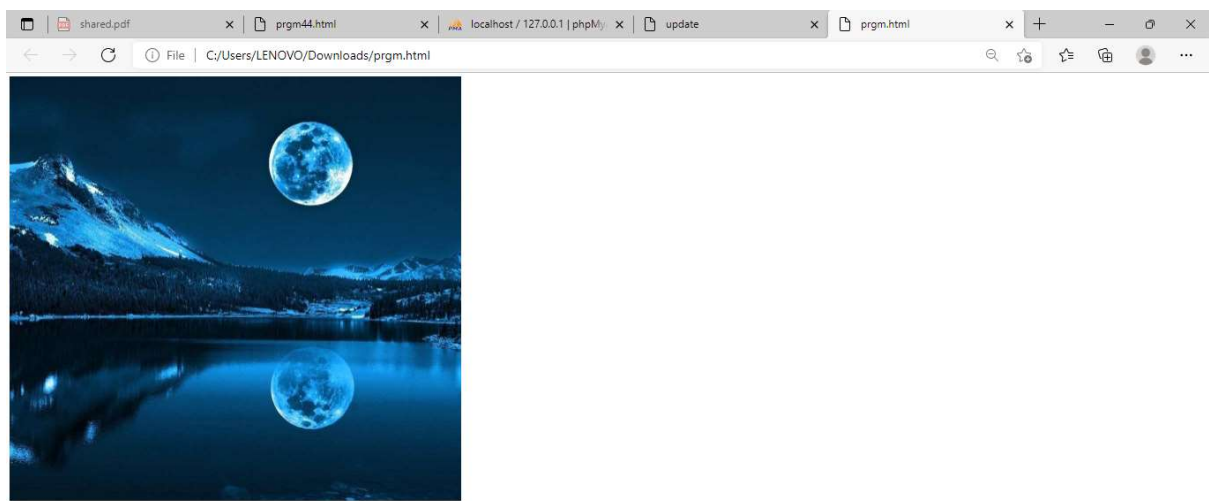
</body>

</html>
```

Output:



Good morning.....



Good night....



Program no:10**Aim:**

Create a HTML page to show online exam using JavaScript.

Source Code:

```
<html>
<head>
<script>
var i=0;
function exam()
{
if(document.f1.n1[0].checked)
i=i+1;
if(document.f1.n2[1].checked)
i=i+1;
if(document.f1.n3[2].checked)
i=i+1;
if(document.f1.n4[1].checked)
i=i+1;
if(document.f1.n5[0].checked)
i=i+1;
alert("Your score is"+i+"/5");
}
</script>
</head>
<body>
<form name="f1">
<h1><u> basic maths exam</u></h1>
<h2>5 X 5</h2>
<input type="radio" id="numb" name="n1" value="25">25
<input type="radio" id="numb" name="n1" value="10">10
<input type="radio" id="numb" name="n1" value="15">15
<h2>10 / 2</h2>
<input type="radio" id="numb1" name="n2" value="7">7
<input type="radio" id="numb1" name="n2" value="5">5
```

```

<input type="radio" id="numb1" name="n2" value="2">2
<h2>5 + 5</h2>
<input type="radio" id="numb2" name="n3" value="15">15
<input type="radio" id="numb2" name="n3" value="5">5
<input type="radio" id="numb2" name="n3" value="10">10
<h2>10 - 5</h2>
<input type="radio" id="numb3" name="n4" value="7">7
<input type="radio" id="numb3" name="n4" value="5">5
<input type="radio" id="numb3" name="n4" value="2">2
<h2>10 % 3</h2>
<input type="radio" id="numb4" name="n5" value="1">1
<input type="radio" id="numb4" name="n5" value="3">3
<input type="radio" id="numb4" name="n5" value="2">2
<br><br><input type="submit" value="submit" onclick="exam()">
</body>
</html>

```

Output:

basic maths exam

5 X 5

☐ 25 ☐ 10 ☐ 15

10 / 2

☐ 7 ☐ 5 ☐ 2

5 + 5

☐ 15 ☐ 5 ☐ 10

10 - 5

☐ 7 ☐ 5 ☐ 2

10 % 3

☐ 1 ☐ 3 ☐ 2

Program no:11

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

Source Code:

CONNECTION

```
<?php
$con=mysqli_connect("localhost","root","","markmanagement_db");
if($con === false){
    die("ERROR:could not connect.".mysqli_connect_error());
}
else{
    echo "success";
}
?>
```

ADDSTUDENT.HTML

```
<html>
<head><link rel="stylesheet" href="style.css"/></head>
    <body>
        <form action = "add.php.php" method = "post">
<br><center style="margin:auto;">
            <table>
                <tr><td>
                    FIRST NAME :</td><td><input type = "text" name = "fname"
><br><br><br>
                </td></tr>
                <tr><td>
                    LAST NAME:</td><td><input type = "text" name =
"lname"><br><br><br>
                </td></tr>
```

```
<tr><td>

GENDER: </td><td><input type = "radio" value = "Male"
name = "gender">Male

<input type = "radio" value = "Female" name =
"gender">Female

<br><br><br></td></tr>

<tr><td>COURSE:</td><td>

<select name = "course">

<option>--select--</option>

<option value = "MCA">MCA</option>

<option value = "INMCA">INMCA</option>

</select>

<br><br><br></td></tr>

<tr><td>INTERNAL:</td><td>

<select name = "internal">

<option>--select--</option>

<option value = "one">1</option>

<option value = "two">2</option>

</select>

<br><br><br></td></tr>

<tr><td>SEMESTER:</td><td>

<select name = "semester">

<option>--select--</option>

<option value = "sem1">sem1</option>

<option value = "sem2">sem2</option>

<option value = "sem3">sem3</option>

<option value = "sem4">sem4</option>

<option value = "sem5">sem5</option>

<option value = "sem6">sem6</option>
```



```
</select>

<br><br><br></td></tr>

<tr><td>

        PHONE NUMBER : </td><td><input type = "number" name =
"phone">

<br><br><br></td></tr>

<tr><td>

        <input type = "submit" Value = "Submit" name = "submit">

</td></tr>

</table>

</center>

</form>

</body>

</html>
```

ADDSTUDENT.PHP

```
<?php

    include 'CONNECTION.php';

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

        $name = $_POST['fname'];

        $lname = $_POST['lname'];

        $gender = $_POST['gender'];

        $course = $_POST['course'];

        $internal = $_POST['internal'];

        $semester = $_POST['semester'];

        $phone_Number = $_POST['phone'];
```

```
$sql = "INSERT INTO `student_tb`(`fname`, `lname`, `gender`, `course`, `internal`,  
`semester`, `phone_Number`) VALUES  
('$name','$lname','$gender','$course','$internal','$semester','$phone_Number')";
```

```
$result = mysqli_query($con,$sql);
```

```
if($result){
```

```
    echo "New record added";
```

```
}
```

```
else{
```

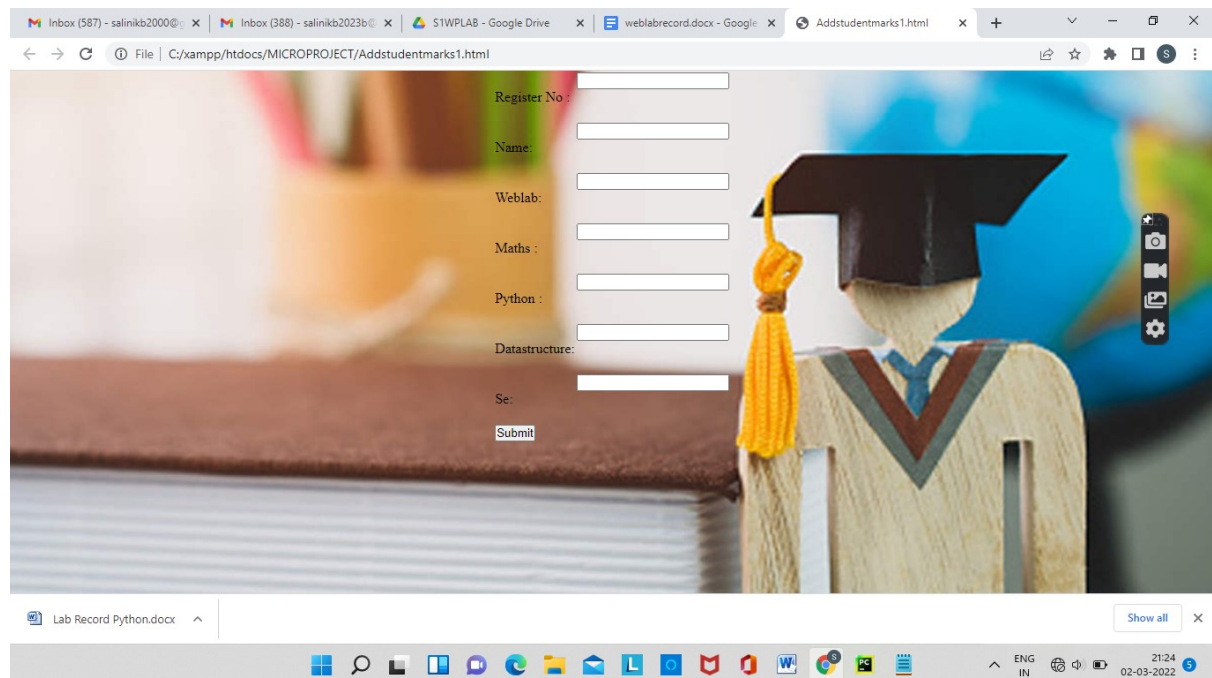
```
    echo mysqli_error($con);
```

```
}
```

```
}
```

```
?>
```

Output:



The screenshot displays the phpMyAdmin interface for a database named 'markmanagement_db'. The 'student_tb' table is selected, showing 14 rows of data. The table structure includes columns: sid, fname, lname, Gender, course, internal, semester, and phone_Number. Below the table, a SQL query is executed, showing the results of a SELECT statement on the 'addstudentmark_tb' table. The query results show 8 rows of data, including columns: sid, Regno, Name, Weblab, Maths, Python, Datastructure, and Se.

sid	fname	lname	Gender	course	internal	semester	phone_Number
1	arjun	pp	Male				0
2	salu	kb	Female				0
3	geetha	r	Female				0
4	sa	r	Female	sem2			0
5			--select--				0
6			--select--				0
7			--select--				0
8	geetha	kb	Female	MCA	one	sem1	0
9	geetha	kb	Female	MCA	one	sem1	213123123
10	geetha	r	Female	MCA	one	sem2	66857747
11	sa	kb	Female	MCA	two	sem1	433095
12	geetha	kb	Female	MCA	one	sem2	7349732
13	geetha	kb	Female	MCA	one	sem2	7349732
14	anamika	b	Female	MCA	one	sem2	2147483647

sid	Regno	Name	Weblab	Maths	Python	Datastructure	Se
1	13308	0	23	12	12	22	22
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	13308	0	23	12	12	22	22
5	13305	0	23	12	12	22	22
6	13305	0	23	12	12	22	22
7	13301	0	23	12	12	22	22
8	13302	0	23	12	12	22	22

Program no:12**Aim:**

Outline a registration form using PHP and do necessary validations.

Source Code:

```
<html>
<body>
    <h1>Registration form</h1>
    <form action = "" method = "POST">
        Username : <input type="text" name="username"><br> <br>
        Email : <input type="text" name="email"><br> <br>
        Password : <input type="text" name="pass"><br> <br>
        Confirm password : <input type="text" name="cpass"><br> <br>
        <input type="submit" value="Register">
    <?php
        if (empty($_POST['username']) ||
            empty($_POST['pass']) ||
            empty($_POST['email']) ||
            empty($_POST['cpass']))
        {
            die("Please fill all required fields!");
        }
        if ($_POST['pass'] != $_POST['cpass'])
        {
            die ('Password and confirm password should match');
        }
        else
        {
            die("successfull");
        }
    ?>
    </form>
</body>
</html>
```

Output:

Registration form

Username :

Email :

Password :

Confirm password :

Program no:13**Aim:**

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

Source Code:

```
<html>
<head>
    <title>Electricity Bill</title>
</head>
<?php
$result_str = $result = "";
if (isset($_POST['unit-submit'])) {
    $units = $_POST['units'];
    if (!empty($units)) {
        $result = calculate_bill($units);
        $result_str = 'Total amount of ' . $units . ' - ' . $result;
    }
}
function calculate_bill($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, '.', '');
}
?>
<body>
    <div id="page-wrap">
        <h1>Electricity Bill</h1>
        <form action="" method="post" id="quiz-form">
            <input type="number" name="units" id="units" placeholder="Please enter no. of
Units" />
            <input type="submit" name="unit-submit" id="unit-submit" value="Submit" />

        </form>
        <div>
            <?php echo '<br />' . $result_str; ?>
        </div>
    </div>
</body>
</html>
```

Output:

Electricity Bill

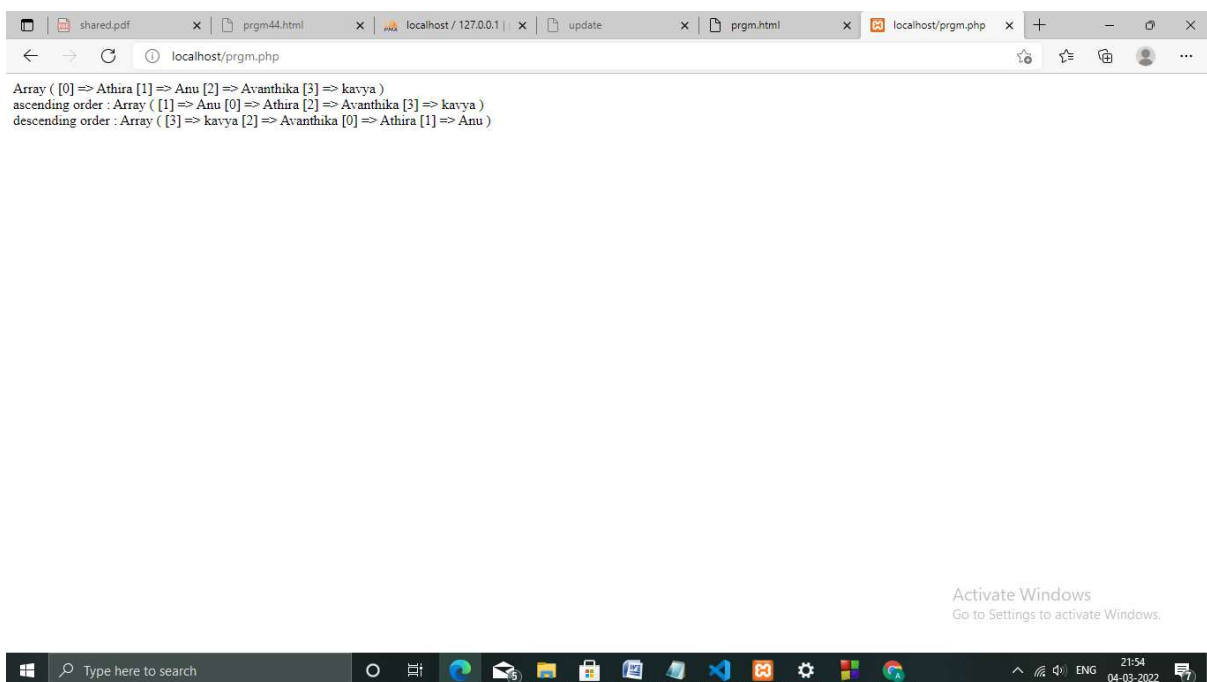
Total amount of 100 - 375.00

Program no:14**Aim:**

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.

Source Code:

```
<?php
$a = array("Athira", "Anu", "Avanthika","kavya");
print_r($a);
echo("<br>ascending order : ");
asort($a);
print_r($a);
echo("<br>descending order : ");
arsort($a);
print_r($a);
?>
```

Output:

Program no:15**Aim:**

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

Source Code:

```
<?php
$cricket=array(array('M S Dhoni',40),
               array('Virat Kohli',33),
               array('Sachin tendulkar',48));
?>
<html>
<table border="1"><tr><th>Name</th><th>Age</th></tr>
<tr><td><?php echo $cricket[0][0] ?></td><td><?php echo $cricket[0][1] ?></td></tr>
<tr><td><?php echo $cricket[1][0] ?></td><td><?php echo $cricket[1][1] ?></td></tr>
<tr><td><?php echo $cricket[2][0] ?></td><td><?php echo $cricket[2][1] ?></td></tr>
</table>
</html>
```

Output:

Name	Age
M S Dhoni	40
Virat Kohli	33
Sachin tendulkar	48

Program no:16**Aim:**

Develop Web application using HTML and PHP and deploy [Micro project].

Source Code:**Registration connection**

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "tutor";
$conn = new mysqli($servername, $username, $password,$dbname);
    if($conn === false){
        die("ERROR: Could not connect. " . mysqli_connect_error());
    }
// Check connection
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
    exit();
}

$username = $_POST['username'];
$school = $_POST['school'];
$age = $_POST['age'];
$phone = $_POST['phone'];
$rbgender = $_POST['rbgender'];
$email = $_POST['email'];
$password = $_POST['password'];
$sql = "INSERT INTO user
('username`,`school`,`age`,`phone`,`rbgender`,`email`,`password`) VALUES
('$username','$school','$age','$phone','$rbgender','$email','$password')";

if ($conn->query($sql) === TRUE) {
    echo "New record created successfully";
}
else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}

$conn->close();
```

?>

```
<button><a href="index.html">GO TO INDEX</a></button>
```

Registration

```
<html>
```

```
<head>
```

```
<style>
```

```
body
```

```
{
```

```
margin: 0;
```

```
padding: 0;
```

```
background-color:#6abadeba;
```

```
font-family: 'Arial';
```

```
}
```

```
.register{
```

```
width: 482px;
```

```
overflow: hidden;
```

```
margin: auto;
```

```
margin: 20 0 0 450px;
```

```
padding: 80px;
```

```
background: #23463f;
```

```
border-radius: 15px ;
```

```
}
```

```
h2{
```

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

```
color: #277582;
```

```
padding: 20px;
```

```
}
```

```
label{
```

```
color: #08ffd1;
```

```
font-size: 17px;
```

```
}
```

```
#fname,lname,date{
```

```
width: 300px;
```

```
height: 30px;
```

```
border: none;
```

```
border-radius: 3px;
```

```
padding-left: 8px;
```

```
}
```

```
#Pass{
```

```
width: 300px;
```

```
height: 30px;
```

```
border: none;
```

```
border-radius: 3px;
```

```
padding-left: 8px;

}
#submit,reset{
    width: 300px;
    height: 30px;
    border: none;
    border-radius: 17px;
    padding-left: 7px;
    color: blue;

}
label{
    color: white;
    font-size: 17px;
}
a{
    float: right;
    background-color: grey;
}
</style>
</head>
<body bgcolor="skyblue">
    <div class="register">
        <form action="connect.php" method="POST">
            <tr><td><h2 align="center">Register Here</h2></td></tr>
            <tr><td>Name</td>
            <td><input type="text" name="username" required></td></tr><br><br>
            <tr><td>School</td>
            <td><input type="text" name="school" required></td></tr><br><br>
            <tr><td>Age:</td>
            <td><input type="text" name="age" required></td></tr><br><br>
            <tr><td>Phone</td>
            <td><input type="phone" name="phone"></td></tr><br>
            <tr><td>Gender:</td><br>
            <td><input type="radio" id="male" name="rbgender">male</td>
            <td><input type="radio" id="female" name="rbgender">female</td>
            <td><input type="radio" id="others" name="rbgender">others</td></tr><br><br>
            <tr><td> Email:</td>
            <td><input type="email" name="email" required></td></tr><br><br>
            <tr><td> Password:</td>
            <td><input type="password" name="password"required></td></tr><br><br>
            <tr><td><button class="Signup-button">Register</button></td></tr>
        </form>
    </div>
</body>
```

</html>

userlogin connection

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname="tutor";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$email=$_POST['email'];
$password=$_POST['password'];

$sql = "select*from user where email='$email' and password='$password'";
$result = mysqli_query($conn, $sql);
$fetch = mysqli_fetch_array($result);
$count = mysqli_num_rows($result);

if($count > 0){
    session_start();
    $_SESSION['userid']=$fetch['userid'];
    //echo $_SESSION['userid'];
    header('LOCATION: userhome.html');
}
else{
    echo "<h1>Login failed .Invalid username or password </h1> ";
}
?>
```

add teacher connection

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "tutor";

$conn = mysqli_connect($servername, $username, $password, $dbname);

if(! $conn)
{
    die('could not connect: ' . mysqli_error());
}
```

```
}

$name=$_POST['tname'];
$address=$_POST['address'];
$email=$_POST['email'];
$phone=$_POST['phone'];
$subjects=$_POST['subjects'];
$fees=$_POST['fees'];

$sql = "INSERT INTO teacherreg (`tname`, `address`, `email`, `phone`, subjects, fees)
VALUES ('$name', '$address', '$email', '$phone', '$subjects', '$fees')";

if ($conn->query($sql) === TRUE) {
    echo "New record created successfully";
}
else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}

$conn->close();
?>
```

add teachers

```
<!DOCTYPE html>
<html>
<head>
    <style>
        body
        {
            margin: 0;
            padding: 0;
            background-color:#6abadeba;
            font-family: 'Arial';
        }
        .login{
            width: 382px;
            overflow: hidden;
            margin: auto;
            margin: 20 0 0 450px;
            padding: 80px;
            background: #23463f;
            border-radius: 15px ;
        }
        h2{
            text-align: center;
```

```
        color: #277582;
        padding: 20px;
    }
    label{
        color: #08ffd1;
        font-size: 17px;
    }
    #Email{
        width: 300px;
        height: 30px;
        border: none;
        border-radius: 3px;
        padding-left: 8px;
    }
    #Pass{
        width: 300px;
        height: 30px;
        border: none;
        border-radius: 3px;
        padding-left: 8px;
    }
    #log{
        width: 300px;
        height: 30px;
        border: none;
        border-radius: 17px;
        padding-left: 7px;
        color: blue;
    }
    span{
        color: white;
        font-size: 17px;
    }
    a,h5{
        float: right;
        background-color: grey;
    }

</style>
</head>
<body>
    <h2>Login</h2><br>
    <div class="login">
        <form id="login" method="POST" action="loginpage.php">
            <label><b>Email
            </b> <br><br>
            </label>
            <input type="text" name="email" id="Email" placeholder="Email">
            <br><br>
```



```

    <label><b>Password
    </b>
    </label>
    <input type="Password" name="password" id="Pass" placeholder="Password">
    <br><br>
    <button class="Signup-button"><a href="userhome.html"></a>Signin</button>
    <br><br> <br>
    <input type="checkbox" id="check"><span>Remember me</span>
    <br><br>
    <a href="userreg.html">Create an account?</a>
  </form>
</div>
</body>
</html>

```

teachers Add

```

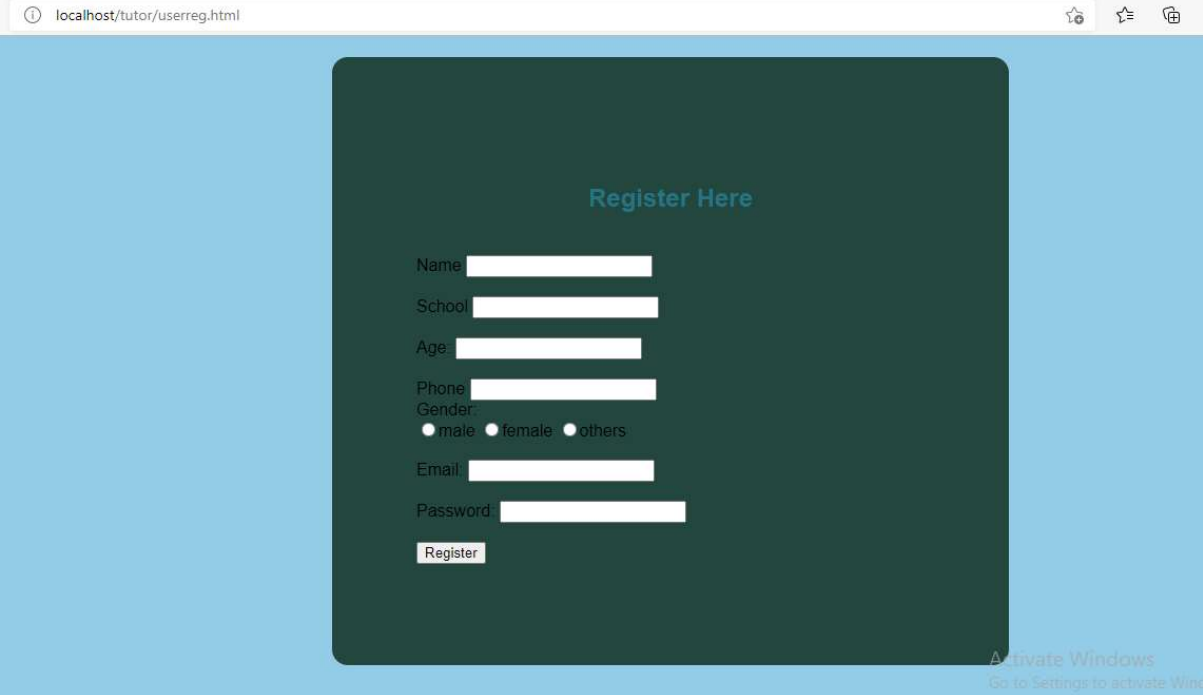
<html>
  <head>
    <style>
      body
    {
      background-image: url('./te.jpg');
      background-position: center;
      background-repeat: no-repeat;
    }
  </style>
</head>

<body>
  <div class="add">
    <h2 align="center"></h2>
    <form action="teachers.php" method="POST">
      <table align="center">
        <tr><td> <h2 align="center">Register</h2></td></tr>
        <tr><td>Name: <input type="text" name="tname" required><br><br></td></tr>
        <tr><td>Address :<input type="text" name="address" required><br><br></td></tr>
        <tr><td>Email :<input type="email" name="email" required><br><br></td></tr>
        <tr><td>Phone :<input type="phone" name="phone" ><br><br></td></tr>
        <tr><td>Subject:<input type="text" name="subjects" required><br><br></td></tr>
        <tr><td>Fees:<input type="text" name="fees" required><br><br></td></tr>

        <tr><td><button type="submit" name="ADD">ADD</button></td></tr>
      </table>
    </form>
  </body>
</html>

```

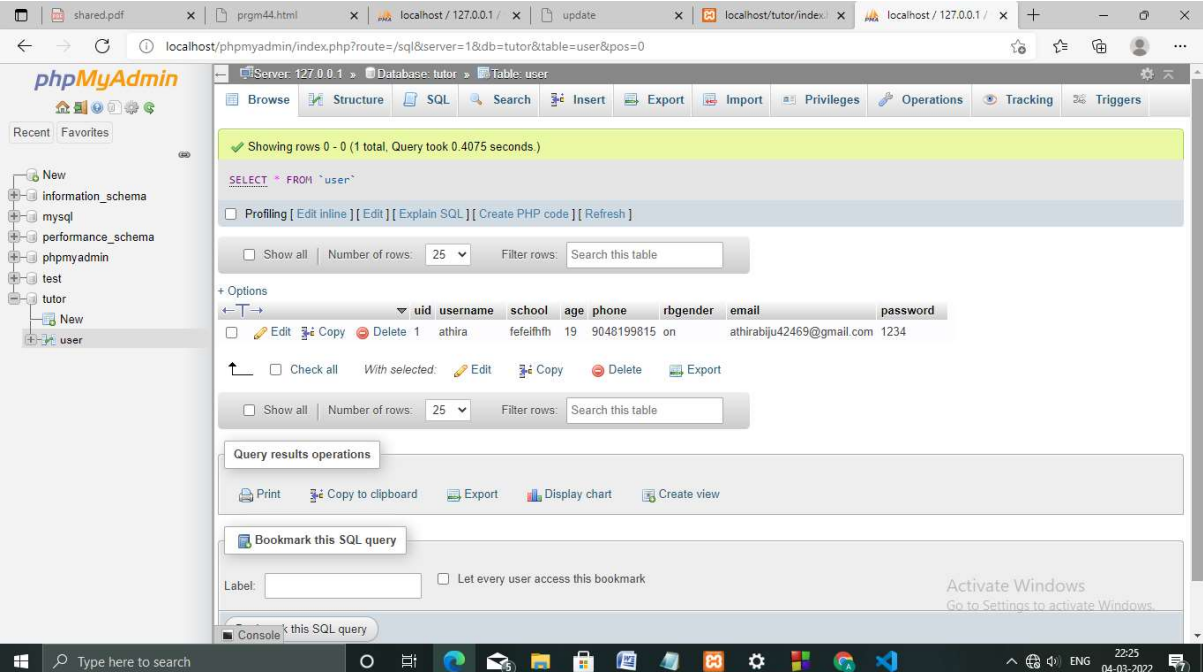
Output



The screenshot shows a web browser window with the address bar displaying 'localhost/tutor/userreg.html'. The main content area features a dark green rectangular form titled 'Register Here' in a light blue font. The form contains the following fields and options:

- Name:
- School:
- Age:
- Phone:
- Gender: ☐ male ☐ female ☐ others
- Email:
- Password:
- Register:

An 'Activate Windows' watermark is visible in the bottom right corner of the browser window.



The screenshot shows the phpMyAdmin interface in a web browser. The address bar displays 'localhost/phpmyadmin/index.php?route=/sql&server=1&db=tutor&table=user&pos=0'. The interface shows the 'user' table structure and data.

Table Structure:

- Columns: uid, username, school, age, phone, rbgender, email, password
- Indexes: PRIMARY (uid)

Query Results:

Showing rows 0 - 0 (1 total, Query took 0.4075 seconds)

```
SELECT * FROM `user`
```

Data:

uid	username	school	age	phone	rbgender	email	password
1	athira	feifeifh	19	9048199815	on	athirabiju42469@gmail.com	1234

The interface includes various options for query results, such as 'Show all', 'Number of rows', and 'Filter rows'. It also has a 'Bookmark this SQL query' section.

Login

Email

Password

Signin

shared.pdf | prgm44.html | localhost / 127.0.0.1 / | update | localhost/tutor/teache | localhost / 127.0.0.1 / | + | - | x

localhost/tutor/teachers.html

Register

Name:

Address:


Email:

Phone:

Subject:

Fees:

ADD



Activate Windows
Go to Settings to activate Windows.

Type here to search

22:55
04-03-2022

Program no:17**Aim:**

Using PHP and MySQL, develop a program to accept book information viz.

Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.

Source Code:**book_connect.php**

```
<?php
    $mysql_host='localhost';
    $mysql_user='root';
    $mysql_password="";
    $conn=mysqli_connect($mysql_host,$mysql_user,$mysql_password);
    if(mysqli_select_db($conn,'library'))
    {echo 'connection successful';
    }
    else{
        echo 'connection failed';
    }
?>
```

book_insert.php

```
<?php
include "book_connect.php";
if(isset($_POST['submit']))
{
    $ano=$_POST['acc_no'];
    $title=$_POST['title'];
    $author=$_POST['author'];
    $edition=$_POST['edition'];
    $publisher=$_POST['publisher'];

    $sql = "INSERT INTO `books` ( `acc_no` , `title` , `author` , `edition` , `publisher` ) VALUES
    ('$acc_no','$title', '$author', '$edition', '$publisher')";
    $result=$conn->query($sql);
    if($result==TRUE)
    {
        echo "new record created successfully";
    }
}
```

```

}
else
{
    echo "Error".$sql."<br>".$conn->error;
}
$conn->close();
}
?>
<html>
    <head>
        <title>newcustomer</title>
    </head>

    <body>
        <form method="POST" action="">
            <h1>Register</h1><br>
            acc_no<br>
            <input type="text" name="acc_no" required><br>
<br>
            Title<br>
            <input type="text" name="title" required><br>
            Author<br>
            <input type="text" name="author" required><br>
            Edition<br>
            <input type="text" name="edition" required><br>
            Publisher<br>
            <input type="text" name="publisher" required>
<br>
            <input type="submit" name="submit"
value="register"><br><br><br><br><br>
            <a href="pro_login.html">already have an
account</a><br><br>
        </form>
    </body>
</html>

```

search_book.php

```

<?php
require "book_connect.php";

if(isset($_POST['sub']))
{
    $bookhead=$_POST['btitle'];

    $store = "SELECT * FROM `books` WHERE `title` = '$bookhead'";

```

```
$result=$conn->query($store);

if($is_query_run=mysqli_query($conn,$store))
{
    while($query_execute=mysqli_fetch_assoc($is_query_run))
    {
        ?><table
border="1"><tr><th>acc_no</th><th>title</th><th>author</th><th>edition</th><th>publis
her</th></tr>

<tr><td><?php echo $query_execute["acc_no"];?></td>

<td><?php echo $query_execute["title"];?></td>

<td><?php echo $query_execute["author"];?></td>

<td><?php echo $query_execute["edition"];?></td>

<td><?php echo $query_execute["publisher"];?></td></tr></table>

<?php }

    }$conn->close();
}

?>

<html>

<head>

<title>book search</title>

</head>

<body><form method="POST" action="">

<label>enter the title</label>

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

<input type="submit" name="sub" value="submit">

</form>

</body>

</html>
```

Output: