

20MCA133 WEB PROGRAMMING LAB

Lab Report Submitted By

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In Partial fulfillment for the Award of the Degree Of

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

APJ ABDUL KALAM TECHNOLOGICAL

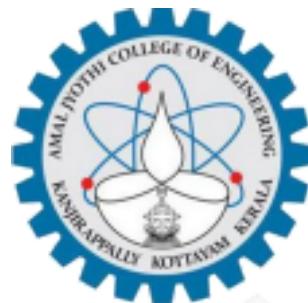
UNIVERSITY



**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]

2021-2023

DEPARTMENT OF COMPUTER APPLICATIONS**AMAL JYOTHI COLLEGE OF ENGINEERING
KANJIRAPPALLY****CERTIFICATE**

This is to certify that the lab report, "**20MCA131 WEB PROGRAMMING LAB**" is the bonafide work of **SANDRA P M (Reg. No: AJC21MCA-2092)** 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 2021-23.

Mrs. sruthymol kurian

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Program no:1

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

Source Code:

```
<html>
<title></title>
<head>first programme</head>
<body>
<form>
<center><h1><b><u>sample form</u></b></h1></center>
<p><i> This is a sample programme for demonstrate html
tags</i></p><br>
<p><i>html is a markup language, represented using tags</i></p>
<h1><i><b>major tags</b></i></h1>
<ul>
<li>head</li>
<li>body</li>
<li>center</li>
<li>bold</li>
<li>header</li>
<li>table</li></ul><br>
search tag<input type="text" name="search"><br><br>
<table border="2">
<tr><th>html 5 tags</th><th>use</th></tr>
<tr><td>canvas</td><td>to draw graphics</td></tr>
<tr><td>audio</td><td>to embed audio</td></tr>
<tr><td>data</td><td>element links a piece of centent with a machine
readable translation</td></tr></table>
<br>
<a href="form.html">clickhere</a>
<ol>
<li>html5 tags</li>
<li>canvas</li>
<li>figure</li>
<li>details</li>
<li>header</li>
</ol><br>

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

Output:

The screenshot shows a web page titled "sample form". The page contains the following text:
first programme
This is a sample programme for demonstrate html tags
html is a markup language.represented using tags
major tags

- head
- body
- center
- bold
- header
- table

search tag

html 5 tags	use
canvas	to draw graphics
audio	to embed audio
data	element links a piece of content with a machine readable translation

[click here](#)

1. html5 tags
2. canvas
3. figure
4. details
5. header

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:

Link.html

```
<html><body>
<a href="tables.html">click here for table</a><br>

<a href="image1.html">click here for image</a></body>
</html>
```

Image.html

```
<html>
<body>

</body>
</html>
```

Tables.html

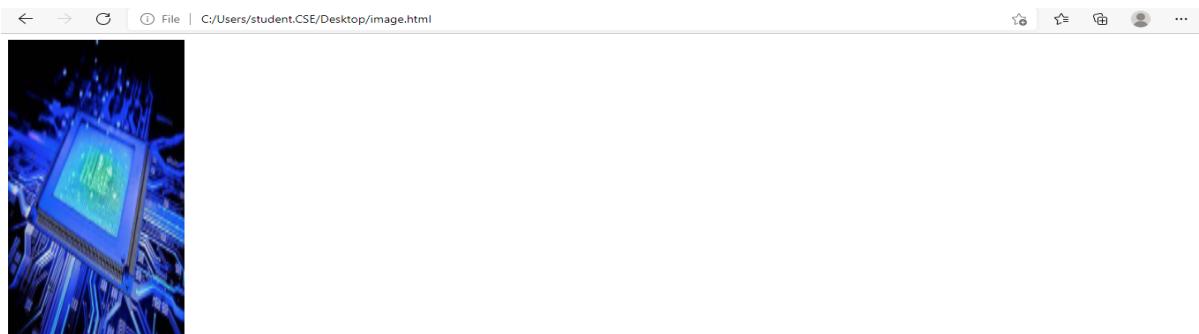
```
<html>
<body>
<b>webinar on topic :how secure in cyber world</b>
<table border="2">
<tr><th>date:</th><th>topic</th><th>resourceperson</th></tr>
<tr><td>12/12/21</td><td>introduction to cybersecurity</td>
<td>mr.pual joseph</td></tr>
<tr><td>13/12/21</td><td> cyber laws
</td><td>mrs.maya</td></tr>
<tr><td>14/12/21</td><td> cyber crimes</td><td>mr.kumar M
</td></tr>
</table>
</body>
</html>
```

Output:

Link.html

[click here for table](#)
[click here for image](#)

Image.html



Tables.html

webinar on topic :how secure in cyber world		
date:	topic	resource person
12/12/21	introduction to cyber security	mr.pual joseph
13/12/21	cyber laws	mrs.maya k
14/12/21	cyber crimes	mr.kumar M

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="cyan">
<center><p><h4>CONTACT US</h4>
NAME:<input type="text" name="value">
<br>
ADDRESS:<input type="text" name="value">
<br>
COMPANY NAME:<input type="text" name="value">
<br>
STREET:<input type="text" name="value">
<br>
CITY:<input type="text" name="value">
<br>
ZIP\POSTAL CODE:<input type="text" name="value">
<br>
TOPIC:<input type="text" name="value">
<br>
LAST NAME:<input type="text" name="value">
<br>
BUSSINESS PROVE:<input type="text" name="value">
<br>
JOB TITLE:<input type="text" name="value">
<br>
STATE PROVINANCE:<input type="text" name="value">
<br>
COUNTRY REGION:<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">

</framset>
</html>
```

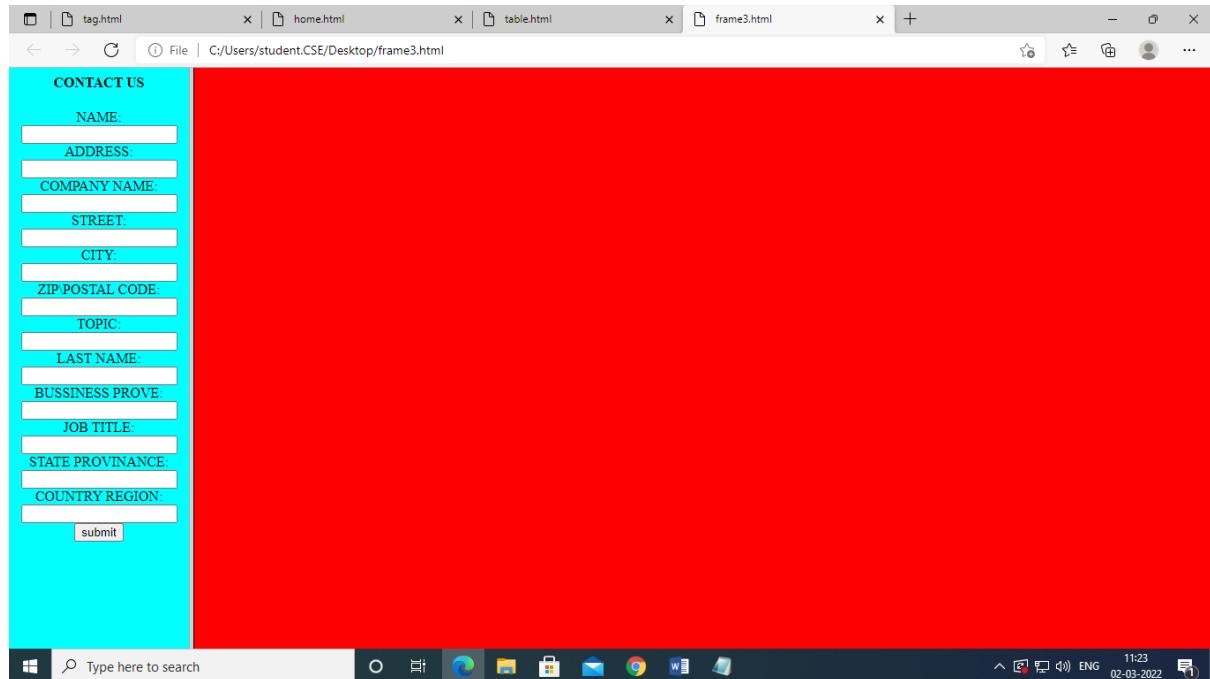
Frame2.html

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

Frame1.html

```
<html>
<body bgcolor="red">
</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:

External

```
<html>
<head>
<link rel="stylesheet" href="styles.css">
</head>
<body>
<h1>This is a heading</h1>
<p>This is a paragraph.</p>
```

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

Internal

Output:

A Blue Heading

A red paragraph.



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:

The screenshot shows a web browser window with the following interface:

- Toolbar:** Includes icons for back, forward, refresh, and file operations, followed by the path "File | C:/Users/DELL/Downloads/mathsfuction.html".
- Input Fields:**
 - "Enter a string:" followed by a text input field containing "welcome".
 - "enter number" followed by a text input field containing "10".
 - "enter power" followed by a text input field containing "2".
- Buttons:** A blue button labeled "Get Result".
- Output Fields:**
 - "Length of the String :" followed by a text input field containing "7".
 - "Slice String :" followed by a text input field containing "me".
- Section Headers:**
 - Power of a number**: followed by a text input field containing "100".
 - SquareRoot of the number**: followed by a text input field containing "3.1622776601683795".
 - Ceil of the number**: followed by a text input field containing "10".
 - Floor of the number**: followed by a text input field containing "10".

Program no:6

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>";
    }
    for (var i = 0; i < 42 - day; i++)
    {
        init_content += "<td></td>";
    }
    document.getElementById("content").innerHTML = init_content;
}
</script>
```

```
        }

        while (date.getMonth() == month_get)

        {

            init_content += "<td>" + date.getDate() + "</td>";

            if (date.getDay() == 6)

            {

                init_content += "</tr><tr>";

            }

            date.setDate(date.getDate() + 1);

        }

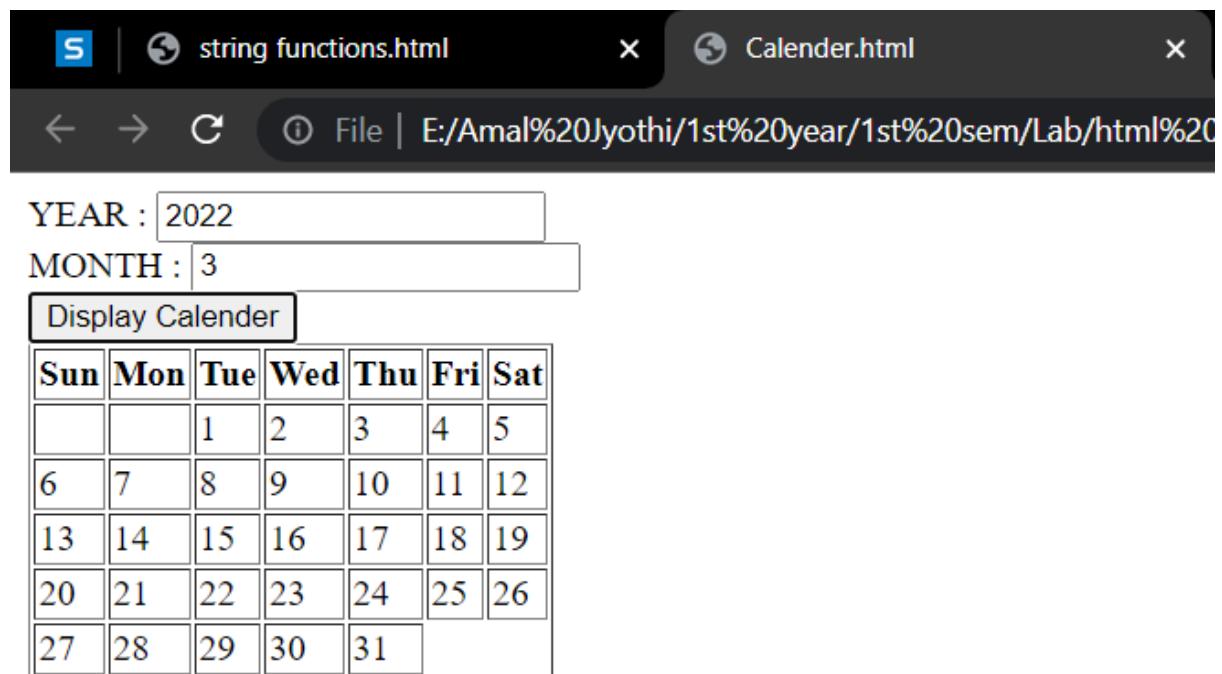
        init_content += "</table>"

        document.getElementById("content").innerHTML = init_content;

    }

</script>

</html>
```

Output:

Program no:7

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

Source Code:

```
<html>
<head></head>
<title>registration form</title>
<body><script type="text/javascript">
function validation(inputText)
{
if(document.getElementById("t1").value == "")
alert("enter your name");

else if(document.getElementById("t2").value == "")
alert("enter a password");

else if(document.getElementById("t2").value != 
document.getElementById("t3").value)
alert(" enter correct password");

else if(document.getElementById("t4").value == "")
alert("enter your e-mail");

else if(document.getElementById("t5").value == "")
alert("enter your address");

else
alert("Form has been submitted");
}
</script>
```

```

<form >

<center style="background:cyan"><b><i>REGISTRATION
FORM</i></b></center><br><center style= "margin:auto
;background-image:url ('image3.jpg');background-repeat:no-repeat;backgro
und-size:cover;">

<p><b>*fill all fields mandatory</b></p>

<b><u><i>1. STUDENT INFORMATION</i></u></b><br><table
style="background:#fffff70;border-radius:10px;padding:20px">

<tr><td><label><i>*name of student:</i></td><input type="text"
name="name" required></i></label><br><br></td></tr>

<tr><td><label><i>*age of student:</i></td><input type="number"
value="integer" required></i></label><br><br></td></tr>

<tr><td><label><i>*gender :</i></td><td><input
type="radio" name="gender">male</i><input
type="radio" name="gender">female</i></label><br><br> </td></tr>

<tr><td><label><i>*Date of birth:</i></td><td><input type="date"
value="date" required></i></label><br><br></td></tr>

<tr><td><label><i>*student phone number:</i></label><br><br></td></tr>

<br><br>

<tr><td><label><i>*address:</i></td><td><input type="text"
name="address" required></i></label><br><br></td></tr>

<tr><td><label><i>*parent name:</i></td><td><input
type="text" name="name" required></i></label><br><br></td></tr>

<tr><td><label><i>*blood group:</i></td><td><select
="dropdown" name="bloodgrp" ><option >B+ve</option>
<option >AB-ve</option>
<option >O+ve</option>
<option >O-ve</option></select></td></tr>

</br></br>

<tr><td><label><i>*email:</i></td><td><input type="email"
placeholder="email" required></i></label><br><br></td></tr>

<tr><td><label><i>*school/college name:</i></td><td><input
type="text" name="name" required></i></label><br><br></td></tr>

```

```

<tr><td><label><i>*password:</i></td><td><input type="password"
value="password" required></i></label><br><br></td></tr>

<tr><td><label><i>*conform password:</i></td><td><input type="password"
value="password" required></i></label><br><br></td></tr></table>

<center><label><i><input type="submit"
value="submit"></i></label></center>

<label><i><input type="reset" value="reset"></i></label><br><br>

<a href="form.html">www.it@school.com</a></center></form>

</body>

</html>

```

Output:

REGISTRATION FORM

*fill all fields mandatory

STUDENT INFORMATION

*name of student:	<input type="text"/>
*age of student:	<input type="text"/>
*gender :	<input type="radio"/> male <input type="radio"/> female
*Date of birth:	<input type="text"/> dd-mm-yyyy <input type="button" value=""/>
*student phone number:	<input type="text"/>
*address:	<input type="text"/>
*parent name:	<input type="text"/>
blood group:	B+ve
*email:	<input type="text"/>
*school/college name:	<input type="text"/>
*password:	<input type="password"/>

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;" >
</h1>

<p id = "GFG_UP" style =
    "font-size: 16px; font-weight: bold;">
</p>

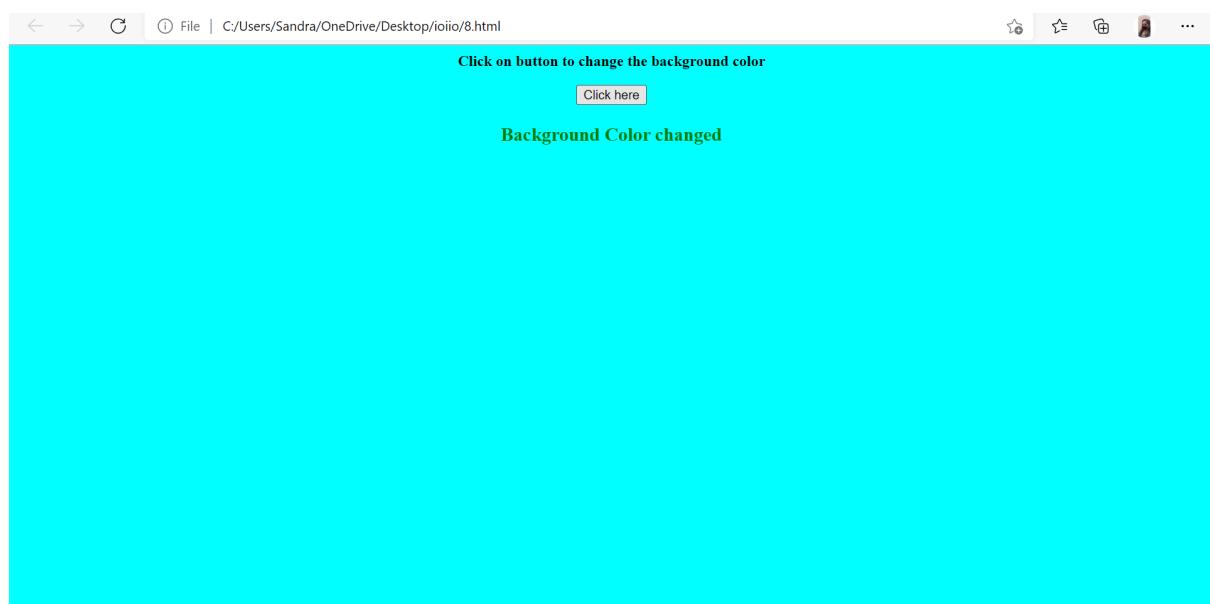
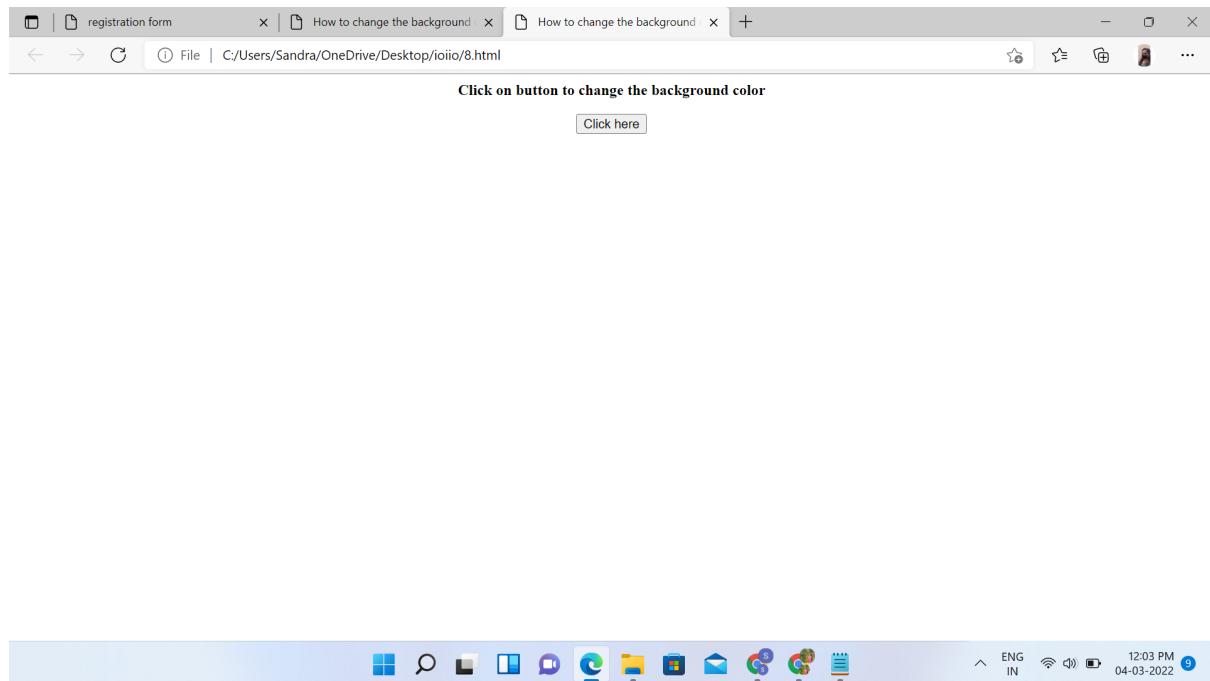
<button onclick = "gfg_Run()">
    Click here
</button>
```

```
<p id = "GFG_DOWN" style =
    "color:green; font-size: 20px; font-weight: bold;">
</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('cyan');
        el_down.innerHTML = "Background Color changed";
    }
</script>
</body>
</html>
```

Output:

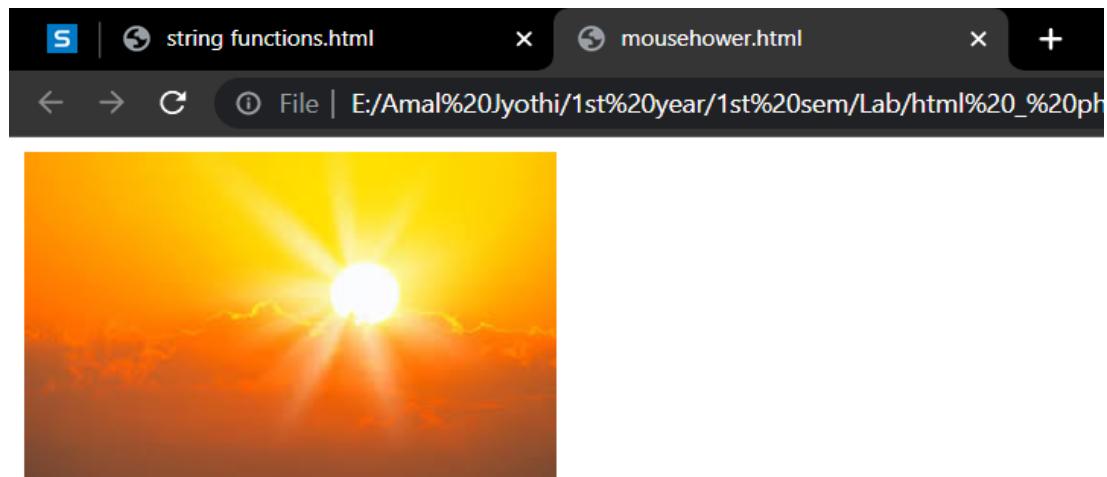
Program no:9

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.

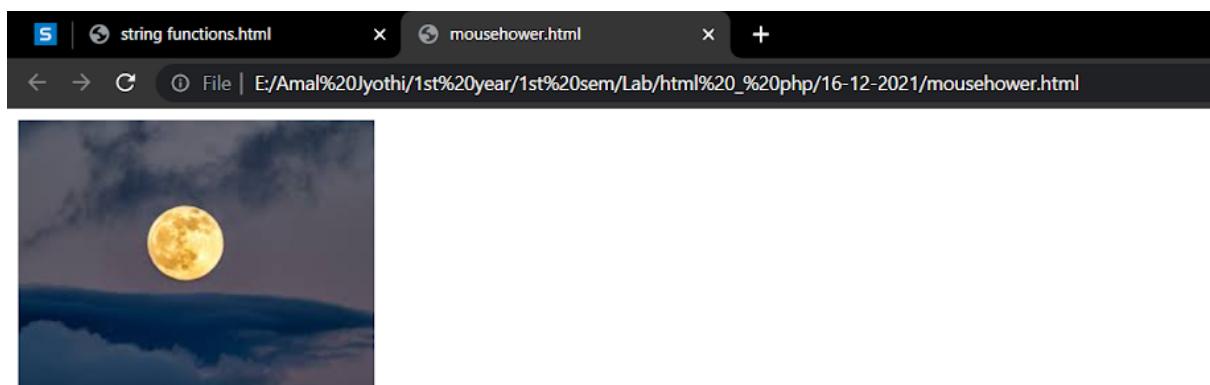
Source Code:

```
<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 = "moon.jpg";
document.getElementById('text1').style.display="none";
document.getElementById('text2').style.display="block"
}
function bc() {
document.getElementById('image').src = "a.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>

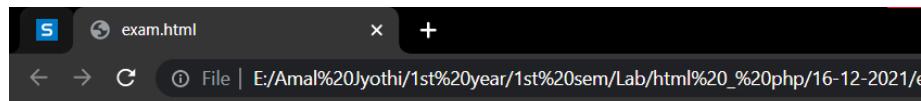
<input type="radio" id="numb3" name="n4" value="7">7
<input type="radio" id="numb3" name="n4" value="5">5
<input type="radio" id="numb3" name="n4" value="2">2

<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 code

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

home page

```
<html>  
<head></head>  
<title>home</title>  
<body>  
  
<form >  
<center style="background:white"></center><br><center  
style= "margin:auto  
;background-image:url('bl2.jfif');background-repeat:no-rep  
eat;background-size:cover;"><b><center><h1>BLOOD DONORS  
KERALA<h1></center><b><br><br><br>  
<h3>contact us :+91 7511568709<h3><br><br><br>  
<h2>"Blood Donation will cost you nothing, but it will  
save a life!"<h2>  
<style>
```

```
.button {  
background-color: #4CAF50; /* Green */  
border: none;  
color: white;  
padding: 16px 32px;  
text-align: center;  
text-decoration: none;  
display: inline-block;  
font-size: 16px;  
margin: 4px 2px;  
transition-duration: 0.4s;  
cursor: pointer;  
}  
  
.button1 {  
background-color: white;  
color: black;  
border: 2px solid #4CAF50;  
text-decoration: none;  
}  
  
.button1:hover {  
background-color: #4CAF50;  
color: white;  
}  
  
.button2 {  
background-color: white;  
color: black;  
border: 2px solid #008CBA;  
}  
  
.button2:hover {  
background-color: #008CBA;  
color: white;  
}  
  
.button3 {  
background-color: white;  
color: black;  
border: 2px solid #f44336;  
}  
  
</style>  
  
<button class="button button1"> <a  
 href="donarregistration.html" class="button1">
```

```

register</a></button>
<button class="button button2">events</button>
<button class="button button3">videos</button>
<table
style="background:#ffff70; border-radius:10px; padding:20px">
<tr><td><label>Blood group</label></td><td><select
="dropdown" value="blood grp" ><option ></option>
<option >A-ve</option>
<option >A+ve</option>
<option >AB-ve</option>
<option >AB+ve</option>
<option >O-ve</option>
<option >O+ve</option>
</select></td></tr>

</i></label><br><br></td></tr><tr></tr><tr></tr></tr></tr><br><br>

<tr><td><label>Districts</label></td><td><select
="dropdown" value="Districts" ><option ></option><option
>Alappuzha</option>
<option >Ernakulam</option>
<option >Thiruvananthapuram</option>
<option >Kollam</option>
<option >pathanamthitta</option>
<option >Kottayam</option>
<option >Palakkad</option>
<option >Idukki</option>
<option >Kozhikode</option>
<option >Kannur</option>
<option >wayanad</option>
<option >Kasarkode</option>
<option >thrissur</option>
<option >Malappuram</option>
<tr><td><label>Taluk</label></td><td><select
="dropdown" value="taluk" ><option ></option>
<option >Cherthala</option>
<option >Ambalappuzha</option>
<option >Haripad</option>
<option ></option>
<option ></option>
<option ></option>
<option ></option>
<option ></option>

```

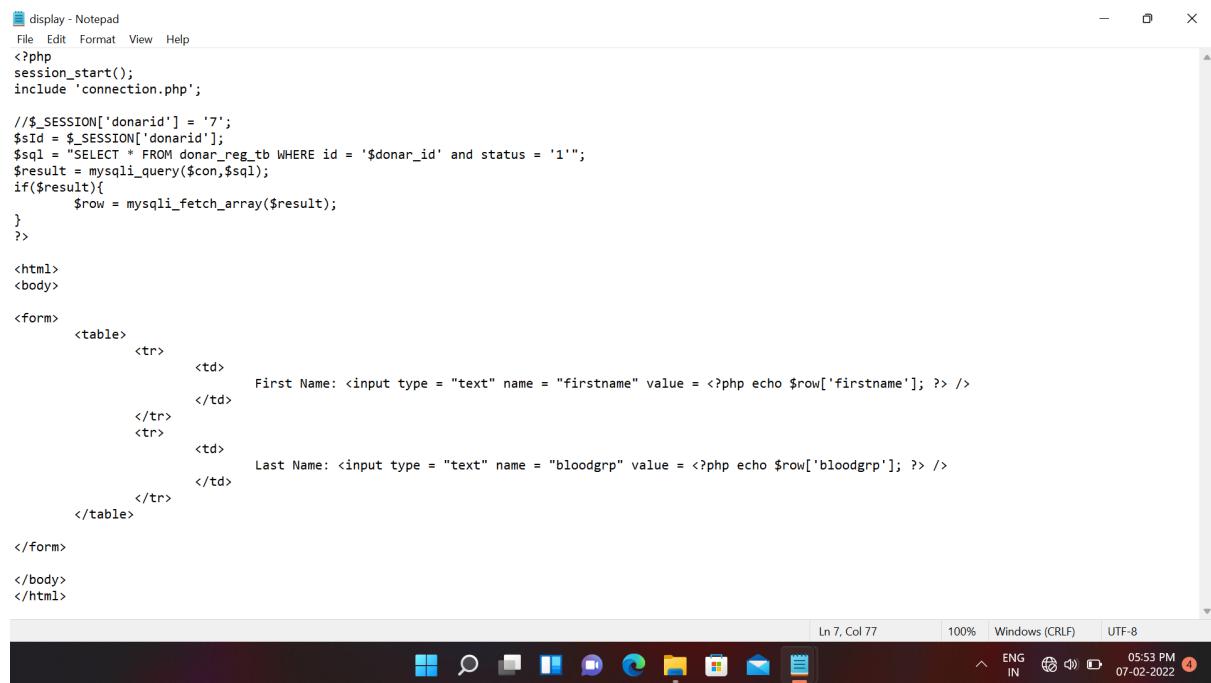
```
</select></td></tr>

</i></label><br><br><td></tr><tr></tr><tr></tr><tr></tr><tr>
></tr><tr><br><br><td></tr><tr></tr><tr></tr><tr><br>
</td></tr>

<i></label><br><br><td></tr><tr></tr><tr></tr><tr><br>
></tr><tr></tr>

<tr><td></td><td><center><label><style>
.button {
    background-color: #4CAF50;
    border: none;
    color: white;
    padding: 15px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin: 4px 2px;
    cursor: pointer;
}
</style>
<input type="submit" class="button" value="Find
blood"></label></center></td></tr></table>

</body>
</html>
```



```

display - Notepad
File Edit Format View Help
<?php
session_start();
include 'connection.php';

//$_SESSION['donarid'] = '7';
$id = $_SESSION['donarid'];
$sql = "SELECT * FROM donar_reg_tb WHERE id = '$donar_id' and status = '1'";
$result = mysqli_query($con,$sql);
if($result){
    $row = mysqli_fetch_array($result);
}

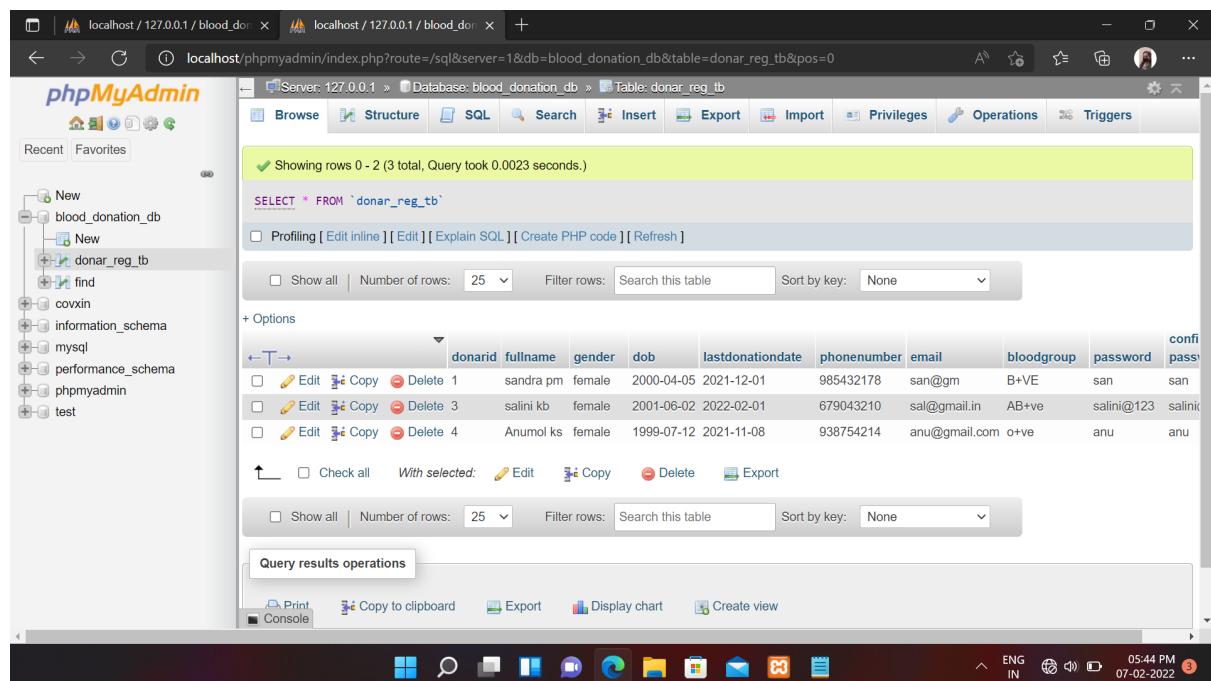
<html>
<body>

<form>
    <table>
        <tr>
            <td>
                First Name: <input type = "text" name = "firstname" value = <?php echo $row['firstname']; ?> />
            </td>
        </tr>
        <tr>
            <td>
                Last Name: <input type = "text" name = "bloodgrp" value = <?php echo $row['bloodgrp']; ?> />
            </td>
        </tr>
    </table>
</form>
</body>
</html>

```

Ln 7, Col 77 100% Windows (CRLF) UTF-8
 ENG IN 05:53 PM 07-02-2022

Output:



Showing rows 0 - 2 (3 total, Query took 0.0023 seconds.)

	donarid	fullname	gender	dob	lastdonationdate	phonenumer	email	bloodgroup	password	confi	pass!
<input type="checkbox"/>	1	sandra pm	female	2000-04-05	2021-12-01	985432178	san@gm	B+VE	san	san	
<input type="checkbox"/>	3	salini kb	female	2001-06-02	2022-02-01	679043210	sal@gmail.in	AB+ve	salini@123	salini	
<input type="checkbox"/>	4	Anumol ks	female	1999-07-12	2021-11-08	938754214	anu@gmail.com	O+ve	anu	anu	

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

05:44 PM 07-02-2022

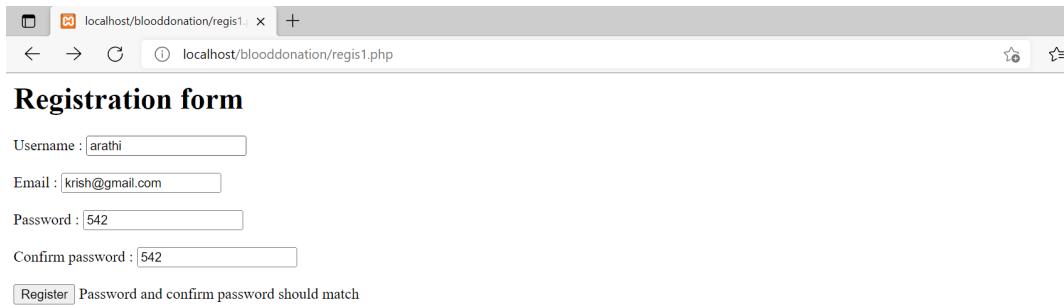
Program no:12

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>
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
```

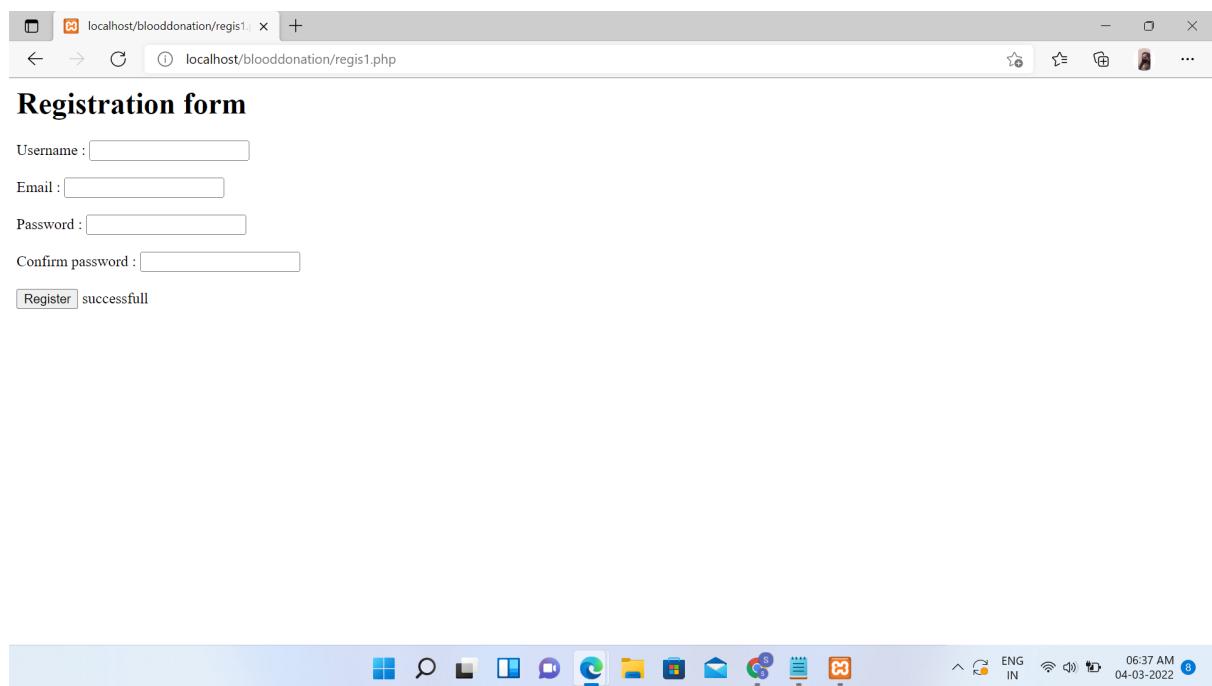
```
{  
die("successful");  
}  
?  
</form>  
</body></html>
```

Output:

The screenshot shows a web browser window with the URL `localhost/blooddonation/regis1.php`. The page title is "Registration form". The form contains four input fields: "Username : arathi", "Email : krish@gmail.com", "Password : 542", and "Confirm password : 542". Below the form, there is a note: "Register Password and confirm password should match".

Username :	arathi
Email :	krish@gmail.com
Password :	542
Confirm password :	542

Password and confirm password should match



Program no:13

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

Source Code:

```
<head><title>PHP - Calculate 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>Php - Calculate 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:

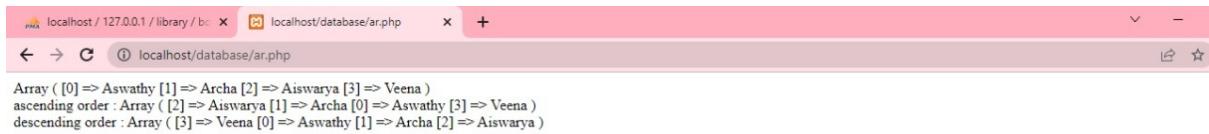


Program no:14

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  
  
$a = array("Aswathy", "Archa", "Aiswarya","Veena");  
print_r($a);  
echo("<br>ascending order : ");  
asort($a);  
print_r($a);  
echo("<br>descending order : ");  
arsort($a);  
print_r($a);  
?>
```

Output:

A screenshot of a web browser window. The address bar shows "localhost / 127.0.0.1 / library / b... x" and "localhost/database/ar.php". The main content area displays the following text:

```
Array ( [0] => Aswathy [1] => Archa [2] => Aiswarya [3] => Veena )
ascending order : Array ( [2] => Aiswarya [1] => Archa [0] => Aswathy [3] => Veena )
descending order : Array ( [3] => Veena [0] => Aswathy [1] => Archa [2] => Aiswarya )
```

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:

Home page

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

<form >
<center style="background:white"></center><br><center style=
"margin:auto
;background-image:url('bl2.jfif');background-repeat:no-repeat;background
d-size:cover;"><b><center><h1>BLOOD DONORS
KERALA<h1></center><b><br><br><br>
<h3>contact us :+91 7511568709<h3><br><br><br>
<h2>"Blood Donation will cost you nothing, but it will save a
life!"<h2>
<style>
.button {
    background-color: #4CAF50; /* Green */
    border: none;
    color: white;
    padding: 16px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin: 4px 2px;
    transition-duration: 0.4s;
    cursor: pointer;
}

.button1 {
    background-color: white;
    color: black;
    border: 2px solid #4CAF50;
    text-decoration: none;
}
.button1:hover {
    background-color: #4CAF50;
    color: white;
```


Donar registration page

```

<html>
<head><style>
p
{
text-align:center;font-size:15px;
}
</style>
</head>
<title>registration </title>
<body>

<form >
<center
style="background:red;font-size:50px;margin-left:130px;margin-right:130
px"><b><i>REGISTRATION</i></b></center><br><center style=
"margin-left:130px;margin-right:130px
;background-image:url('bl.png');background-repeat:no-repeat;background-
size:cover;">
<p color:red;text-align:center<b>*fill all fields mandatary</b></p>
<b><u><i>1.DONAR INFORMATION</i></u></b></br><table
style="background:#fffff60;border-radius:10px;padding:20px">
<tr><td><label><i>*Full name :</i></label><br><br></td></tr>

<tr><td><label><i>*gender :</i></td><td><input
type="radio" name="gender">male</i><input
type="radio" name="gender">female</i></label><br><br> </td></tr>
<tr><td><label><i>*Date of birth:</i></label><br><br></td></tr>
<tr><td><label><i>*Last donation date :</i></label><br><br></td></tr>
<tr><td><label><i>* phone number:</i></label><br><br></td></tr>
<tr><td><label><i>*email:</i></label><input type="email"
placeholder="email" required></i></label><br><br></td></tr>

<tr><td><label><i>*blood group:</i></td><td><select
="dropdown" name="bloodgrp" ><option >A-ve"</option>
<option >A+ve</option>
<option >AB-ve</option>
<option >AB+ve</option>
<option >B-ve</option>
<option >B+ve</option>
<option >O-ve</option>
<option >O+ve</option>
</select></td></tr>
</br></br>

<tr><td><label><i>*password:</i></label><input type="password"
value="password" required></i></label><br><br></td></tr>
<tr><td><label><i>*conform password:</i></label><input type="password"
value="password" required></i></label><br><br></td></tr>

```

```

<tr>
<td><center><label><i><input type="reset"
value="reset"></i></label></center></td><br><br>
<td><center><label><i><input type="submit"
value="submit"></i></label></center></td></tr>

</table>

</body>
</html>

```

Event page

```

<html>
<body>
<h2>BLOOD DONATION DAY</h2>



</body>
</html>

```

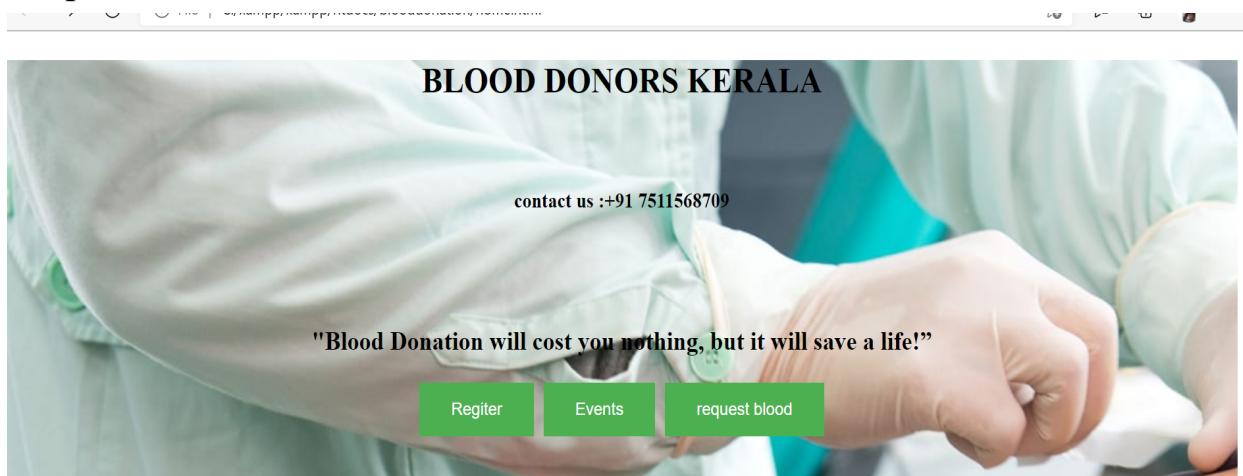
connection.php

```

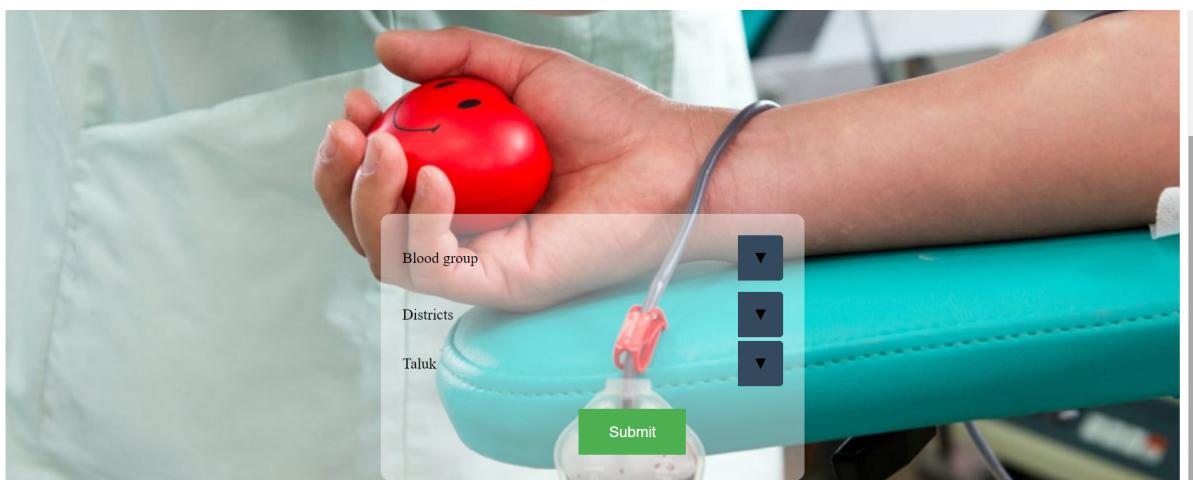
<?php
$con=mysqli_connect("localhost","root","","blood_donation_db");
if($con === false){
die ("ERROR :could not connect.".mysqli_connect_error());
}
else{
echo"connection successful";
}

?>

```

Output:

The image shows a "patient details" form. It includes fields for "patient name" (text input), "Blood group" (dropdown menu), "Districts" (dropdown menu), and "Taluk" (dropdown menu). Below this, a section titled "contact details" contains fields for "contact name" (text input), "contact number" (text input), and "when needed" (date input with a calendar icon). A "request blood" button is at the bottom.



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:

connection.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>

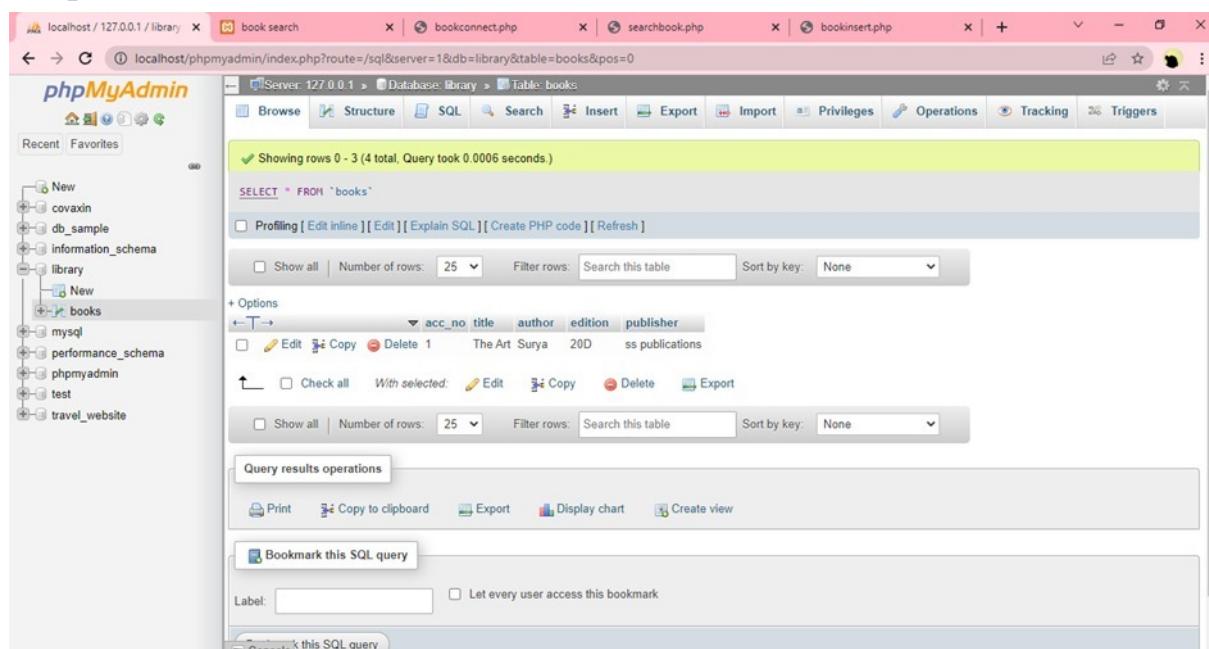
</head>

<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:



The screenshot shows the phpMyAdmin interface for a MySQL database named 'library'. The 'books' table is selected. The table structure includes columns: acc_no, title, author, edition, and publisher. One row is visible: acc_no 1, title 'The Art Surya', author '20D', and publisher 'ss publications'. Below the table, there are buttons for Print, Copy to clipboard, Export, Display chart, and Create view.

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "book_insert.php" and contains a registration form for a book. The form fields are:

acc_no	1001
Title	The Art
Author	Surya
Edition	20D
Publisher	ss publications

Below the form is a button labeled "register". At the bottom of the page, there is a link "already have an account".

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "search_book.php" and displays search results for a book. The results are presented in a table:

acc_no	title	author	edition	publisher
1	The Art	Surya	20D	ss publications

Below the table is a search input field with placeholder text "enter the title" and a "submit" button.