20MCA133 – WEB PROGRAMMING LAB

Lab Report Submitted By

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Reg. No.: AJC22MCA-2072

In Partial Fulfilment 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]

2022-2023

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 **PRANAV P K (AJC22MCA-2072)** in partial fulfilment of the requirements for the award of the Degree of Master of Computer Applications under APJ Abdul Kalam Technological University during the year **2022-23.**

Mrs. Lisha Varghese
Lab Incharge

Rev. Fr. Dr. Rubin Thottupurathu Jose
Head of the Department

Internal Examiner

External Examiner

Course Code	Course Name	Syllabus Year	L-T-P-C
20MCA133	Web Programming Lab	2020	0-1-3-2

VISION

To promote an academic and research environment conducive for innovation centric technical education.

MISSION

MS1 - Provide foundations and advanced technical education in both theoretical and applied ComputerApplications in-line with Industry demands.

MS2 - Create highly skilled computer professionals capable of designing and innovating real life solutions.

MS3 - Sustain an academic environment conducive to research and teaching focused to generate up-skilledprofessionals with ethical values.

MS4 - Promote entrepreneurial initiatives and innovations capable of bridging and contributing with sustainable, socially relevant technology solutions.

COURSE OUTCOME

CO	Outcome	Target
CO1	Explore markup languages features and create interactive web pages using them.	60
CO2	Learn and design client-side validation using scripting languages.	60
CO3	Design front end web page and connect to the back-end databases.	60
CO4	Do Client-side & Server-side scripting	60
CO5	Develop Web Applications	60

COURSE END SURVEY

CO	Survey Question	Answer Format
CO1	To what extend you explore markup languages features and create interactive web pages using them.	Excellent/Very Good/Good Satisfactory/Needs improvement
CO2	To what extend you learn and design client-side validation using scripting languages.	Excellent/Very Good/Good Satisfactory/Needs improvement
CO3	To what extend you design front end web page and connect to the back-end databases.	Excellent/Very Good/Good Satisfactory/Needs improvement
CO4	To what extend you do Client-side & Server-side scripting.	Excellent/Very Good/Good Satisfactory/Needs improvement
CO5	To what extent you develop Web Applications.	Excellent/Very Good/Good Satisfactory/Needs improvement

CONTENT

Sl. No.	Experiment	Date	CO	Page No.
11	Create a HTML page to show online exam using JavaScript.	07-12-2022	CO2	**34-37**
12	Develop a PHP program to connect to a database and retrieve data from a table and show the details in a neat format.	14-12-2022	CO3	**38-40**
13	Outline a registration form using PHP and do necessary validations.	15-12-2022	CO4	**41-42**
14	Compose Electricity bill from user input based on a given tariff using PHP.	15-12-2022	CO4	**43-45**
15	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.	15-12-2022	CO4	**46-47**
16	Build a PHP code to store name of Indian Cricket players in an array and display the same in HTML table.	21-12-2022	CO4	**48-50**
17	Develop Web applications using HTML and PHP	21-12-2022	CO5	**51-54**
18	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.	22-12-2022	CO5	**55-60**
19	Micro Project	11-1-2023	CO1, CO2,CO3, CO4,CO5	**61-68**

Experiment No.: 1

Aim:

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

CO1:

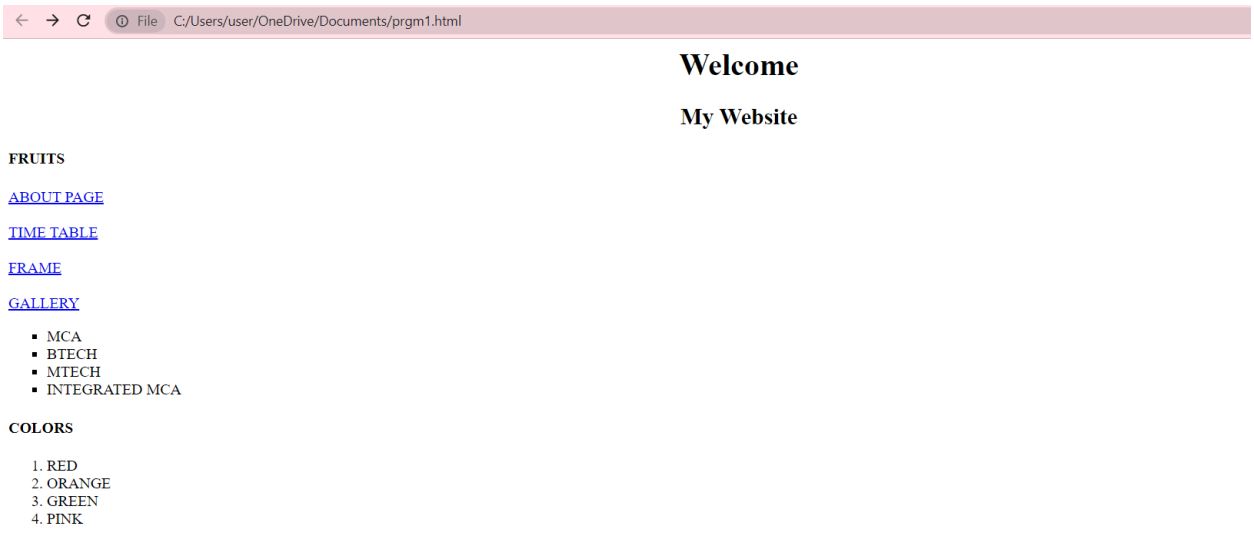
Explore markup languages features and create interactive web pages using them.

Procedure:

```
<html>
 <head>
  <title>my website</title>
 </head>
 <body><center>
  <h1>Welcome</h1>
  <h2><b>My Website</b></h2>
  </center>
   <h4>FRUITS</h4>
    <a href ="page2.html"> ABOUT PAGE</a>
  <br><br>
  <a href ="table.html"> TIME TABLE</a>
  <br><br><a href ="frame.html"> FRAME</a>
  <br><br>
   <a href ="gallery.html"> GALLERY</a>
     <ul TYPE = "square">
      <li>MCA</li>
      <li>BTECH</li>
      <li>MTECH</li>
      <li>INTEGRATED MCA</li>
     </ul>
   <h4>COLORS</h4>
```

```
  <ol>
    <li>RED</li>
    <li>ORANGE</li>
    <li>GREEN</li>
    <li>PINK</li>
  </ol>
 </body>
</html>
```

Output Screenshot:



Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.

Experiment No.: 2

Aim:

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

CO1:

Explore markup languages features and create interactive web pages using them.

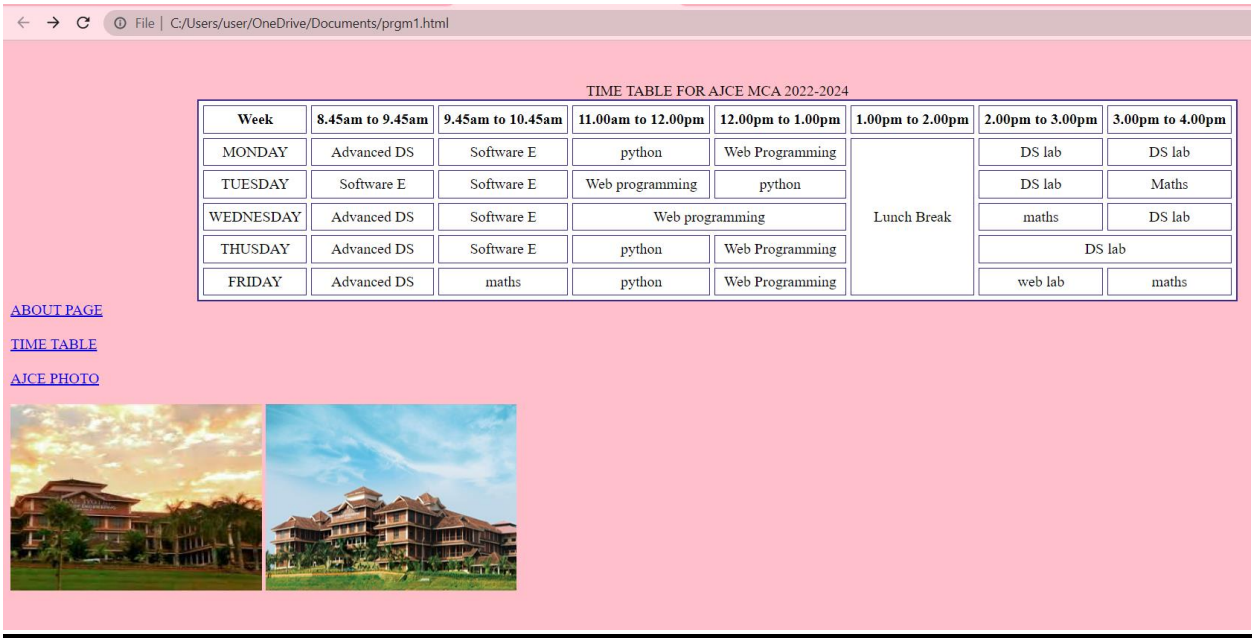
Procedure:

```
<html>
<head>
<title>table</title>
</head>
<body bgcolor = "EAF2F3">
<br>
<br>
<center>
<table bgcolor="white" border="2" bordercolor="342790" cellpadding="5" cellspacing ="5">
<caption> TIME TABLE  FOR AJCE MCA 2022-2024</caption>
<tr>
<th>Week</th>
<th>8.45am to 9.45am</th>
<th>9.45am to 10.45am</th>
<th>11.00am to 12.00pm</th>
<th>12.00pm to 1.00pm</th>
<th>1.00pm to 2.00pm</th>
<th>2.00pm to 3.00pm</th>
<th>3.00pm to 4.00pm</th>
</tr>
<tr align ="center">
```

```
<td>MONDAY</td>
<td>Advanced DS</td>
<td>Software E</td>
<td>python</td>
<td>Web Programming</td>
<td rowspan="5">Lunch Break</td>
<td>DS lab</td>
<td>DS lab</td>
</tr>
<tr align ="center">
<td>TUESDAY</td>
<td>Software E</td>
<td>Software E</td>
<td>Web programming</td>
<td>python</td>
<td>DS lab</td>
<td>Maths</td>
</tr>
<tr align ="center">
<td>WEDNESDAY</td>
<td>Advanced DS</td>
<td>Software E</td>
<td colspan="2">Web programming</td>
<td>maths</td>
<td>DS lab</td>
</tr>
<tr align ="center">
<td>THUSDAY</td>
```

```
<td>Advanced DS</td>
<td>Software E</td>
<td>python</td>
<td>Web Programming</td>
<td colspan="2">DS lab</td>
</tr>
<tr align ="center">
<td>FRIDAY</td>
<td>Advanced DS</td>
<td>maths</td>
<td>python</td>
<td>Web Programming</td>
<td>web lab</td>
<td>maths</td>
</tr>
</table>
</center>
   <a href ="page2.html"> ABOUT PAGE</a>
<br><br>
        <a href ="table.html"> TIME TABLE</a>
<br><br>
        <a href ="frame.html"> AJCE PHOTO</a>
<br><br>
   <img src="img.png" height="200" width="270">
   <img src="bgg.jpg" height="200" width="270">
</body>
</html>
```

Output Screenshot:



Week	8.45am to 9.45am	9.45am to 10.45am	11.00am to 12.00pm	12.00pm to 1.00pm	1.00pm to 2.00pm	2.00pm to 3.00pm	3.00pm to 4.00pm
MONDAY	Advanced DS	Software E	python	Web Programming	Lunch Break	DS lab	DS lab
TUESDAY	Software E	Software E	Web programming	python		DS lab	Maths
WEDNESDAY	Advanced DS	Software E	Web programming			maths	DS lab
THUSDAY	Advanced DS	Software E	python	Web Programming		DS lab	
FRIDAY	Advanced DS	maths	python	Web Programming		web lab	maths

Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.

Experiment No.: 3

Aim:

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

CO1:

Explore markup languages features and create interactive web pages using them.

Procedure:

Navigation.html

```
<html>
<head>
<title>HTML Target Frames</title>
</head>
<frameset cols = "200, *">
<frame src = "navi_menu.html" name = "menu_page" />
<frame src = "navi_body.html" name = "main_page" />
<noframes>
<body>Your browser does not support frames.</body>
</noframes>
</frameset>
</html>
```

navi_menu.html

```
<html>
<body>
<h3>Dashboard</h3><br>
<a href = "login.html" target = "main_page">Login here</a>
<br />
<br />
<a href = "reg.html" target = "main_page">Register here</a>
<br />
```

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

navi_body.html

```
<html>
<body bgcolor = "pink">
<h3>This is main page </h3>
<p>So now click any link and see the result.</p>
</body>
</html>
```

reg.html

```
<html>
<body>
<h1>Registration</h1>
<form method="post" action="#">
  Name :<input type = "text" name="name"><br>
  Male:<input type = "radio" name="gender" value="male">
  Female :<input type = "radio" name="gender" value="female"><br>
  Age :<input type = "number" name="age"><br>
  <input type="submit" name="submit">
</form>
</body>
</html>
```

login.html

```
<html>
<body>
<h1>Login</h1>
<form method="post" action="#">
  Email :<input type = "text" name="name"><br>
```

```
 password :<input type = "text" name="name"><br>
  <input type="submit" name="submit">
</form>
</body>
</html>
```

floatingframe.html

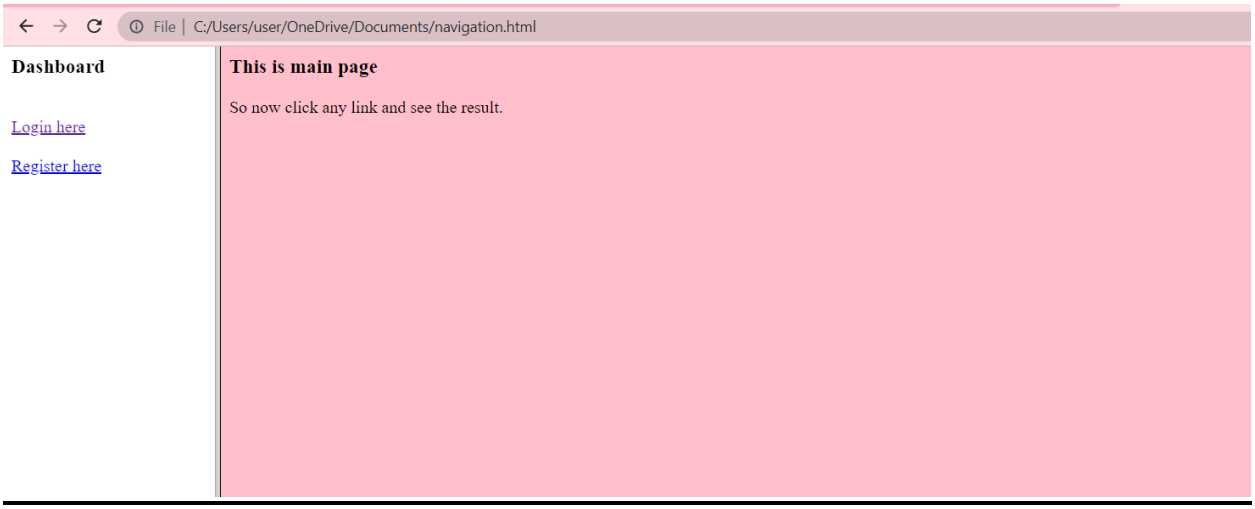
```
<html>
    <head>
        <title></title>
    </head>
   <body>
    <h1>Floating Frame</h1>
    <iframe name='floating_frame' src='timetable.html' width="300" height="300">
    </iframe>
   </body>
</html>
```

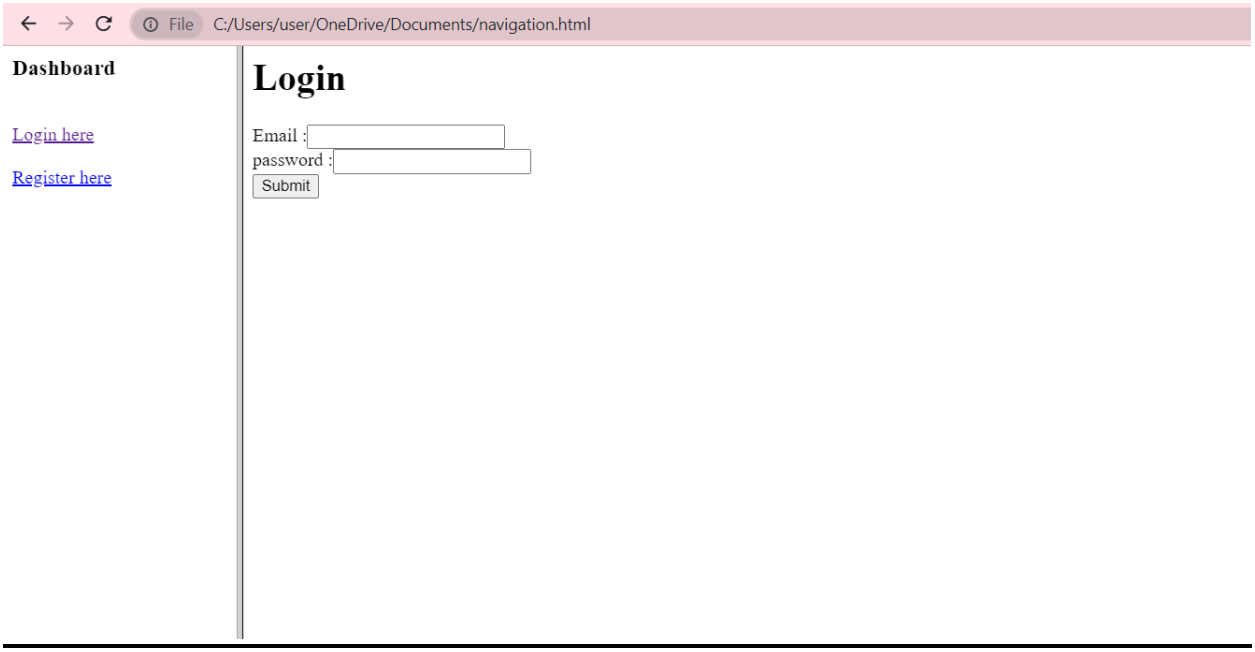
mixedframe.html

```
<html>
<frameset rows="25%,75%">
      <frame src="table.htm" />
<frameset cols="25%,75%">
<frame src="login.html" />
<frame src="registration.html">
</frameset>
</frameset>
</html>
```

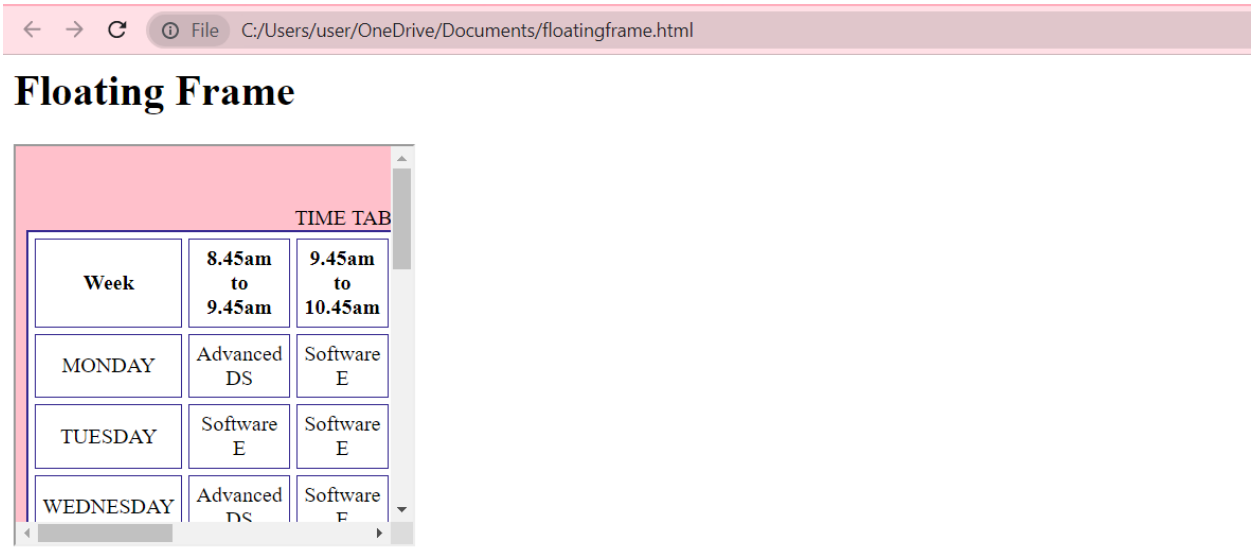
Output Screenshot:

Navigation Frame

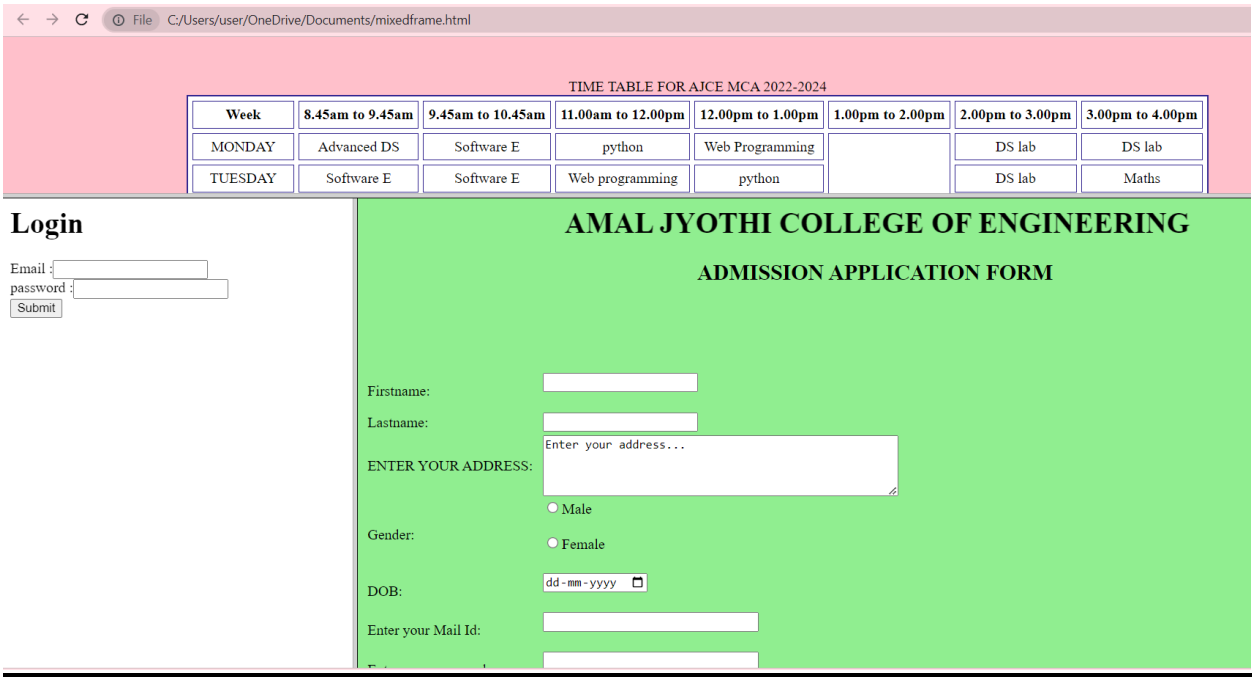




Floating frame



Mixed Frame



Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.

Experiment No: 4

Aim:

Demonstrate a registration form using HTML.

CO1:

Explore markup languages features and create interactive web pages using them.

Procedure:

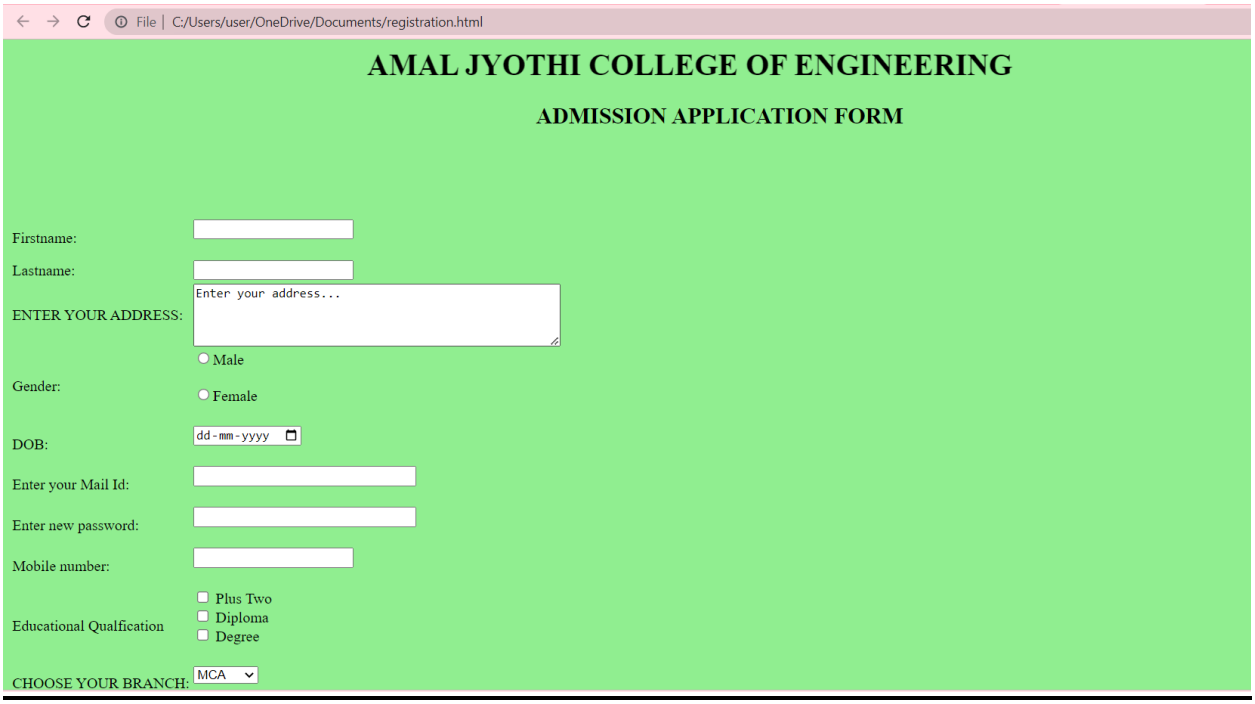
Form.html

```
<html>
<head>
<title> APPLICATION FORM </title>
</head>
<body bgcolor="lightgreen">
<form>
<center><b><h1><marquee> AMAL JYOTHI COLLEGE OF ENGINEERING
</h1></b></marquee>
<h2> ADMISSION APPLICATION FORM </h2></center>
<table>
<tr>
<td>
Firstname:</td><td><input type="text",name="fname",size="20"><br><br>
</td>
</tr>
<tr>
<td>
Lastname:</td><td><input type="text",name="lname",size="20"><br>
</td>
</tr>
```

```
<tr><td>
<p><label for="address">ENTER YOUR ADDRESS:</label></p>
</td><td><textarea id="address" name="address" rows="4" cols="50">
Enter your address...
</textarea></td></tr>
<br>
<br>
<tr><td><label for="gender"> Gender:</label></td><br><br>
<td><input type="radio" name="gender" value="male">Male<br><br>
<input type="radio" name="gender" value="female">Female<br><br>
</td></tr>
<tr><td>
DOB:</td><td><input type="date" value="dob"><br><br></td></tr>
<tr><td>Enter your Mail Id:</td><td><input type="email" name="emailid"
size="30"><br><br></td></tr>
<tr><td>
Enter new password:</td><td><input type="password" name="pswd"
size="30"><br><br></td></tr>
<tr>
<td>
Mobile number:</td><td><input type="number",name="mobno",size="10"><br><br>
</td>
</tr>
<tr><td>Educational Qualfication</td>
<td><input type="checkbox" id="qualification" name="qualification" value="Plus Two">
<label for="qualification"> Plus Two</label><br>
<input type="checkbox" id="qualification" name="qualification" value="Diploma">
<label for="qualification"> Diploma</label><br>
<input type="checkbox" id="qualification" name="qualification" value="Degree">
```

```
<label for="qualification"> Degree</label><br><br>
</td></tr>
<tr><td>
<label for="branch"> CHOOSE YOUR BRANCH:</label>
</td>
<td>
<select name="branch">
<option> MCA </option>
<option> BTECH </option>
<option> MTECh </option>
</select><br>
<br>
</td>
</tr>
<tr>
<td>
</td><td><input type="submit" value="Submit"></td></tr>
</table>
</form>
</body>
</html>
```

Output Screenshot:



Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.

Experiment No: 5

Aim:

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

CO1:

Explore markup languages features and create interactive web pages using them.

Procedure:

file.html

```
<html>
<head>
<title> resume </title>
<style>
body{background-color:#99ff99;}
</style>

<link rel="stylesheet" href="resume.css">
</head>

<center><img src="icon.png" alt="profile" width="130" height="150" align="center"></center>
<h1 style="text-align:center"> PRANAV P K </h1>

<h2> PROFILE </h2>
<p><b> I am a student at amal jyothi college of engineering , with an interest in IT field
</b></p>
<p> <b>and curious to learn about modern technologies.</b></p>

<h2> SKILLS </h2>
<h3> coding languages : </h3>
<p><b> c,c++,python,php,html </b></p>
```

```
<h3> online courses :</h3>
<p><b> AWS  </b></p>

<h2> EDUCATION  </h2>
<h3>  DEGREE :</h3>
<ul type="circle">
<li><p><b>BCA</b></p></li>
<li><p><b>Girideepam college kottayam </p></b></li>
<li><p><b>M G University  </p></b></li>
<h3>PLUS TWO : </h3>
<ul type="circle">
<li><p><b> N S S H S S karapuzha Kottayam</b></p></li>
<li><p><b> Kerala state board </b></p></li>
<div  clas="split right">
<div class="rightwards">

<h2> PERSONAL INFORMATION </h2>
<ul type="circle">
<b><li> NAME:PRANAV PK</li>
<li>DOB:22-01-2001</li>
<li>GENDER: MALE</li>
<li>HOBBIES: FOOTBALL,PLAYING PIANO,READING,MUSIC LISTENING...</li>
<li>LANGUAGES:ENGLISH,MALAYALAM </li> </b>

<h2> KEY STRENGTHS</h2>
<ul type="circle">
<b><li>HARD WORK</li>
<li>LEADERSHIP</li>
<li>TEAMWORK</li>
```

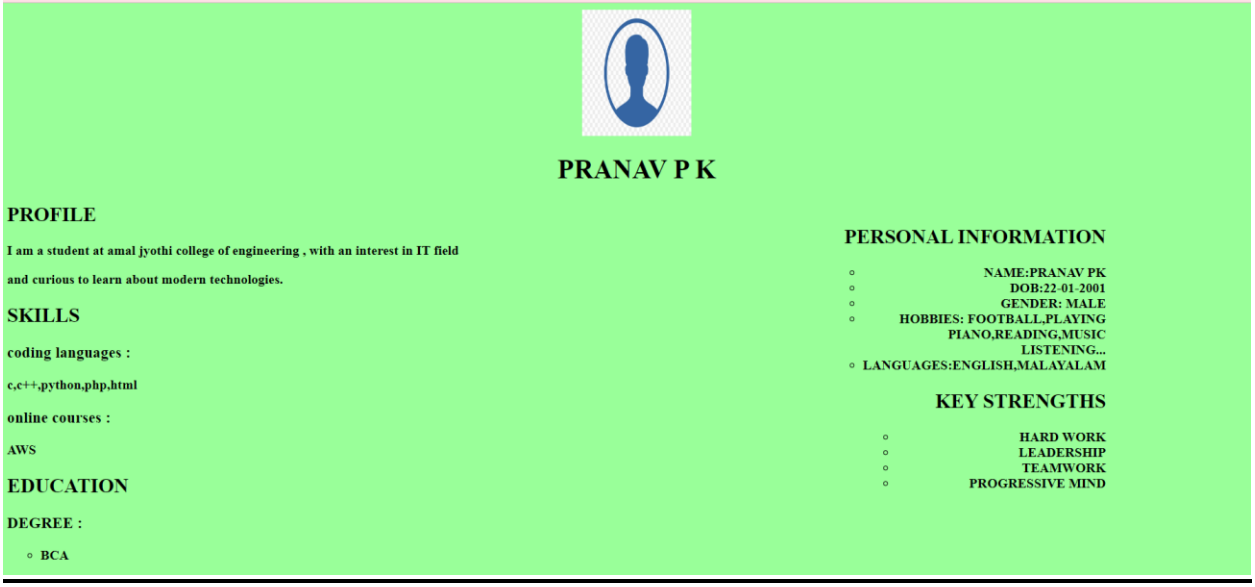
```
<li> PROGRESSIVE MIND</li></b>


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

resume.css

```
.split {

        height:100%
        width:50%
        position: fixed;
        z-index: 1;
        top: 0;
        overflow-x: hidden;
        padding-top: 20px;
}
.right{
        left:0;
        background-color:white;
}
.rightwards{
        background-color:##99ff99;
        position:absolute;
        top:60%;
        left:76%;
        padding-left:20px;
        padding-right:20px;
```

```
        float:left;


        transform:translate(-50%,-50%);
        text-align: right;


}
```

Output Screenshot:



Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.

Experiment No.: 6

Aim:

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

CO2 :

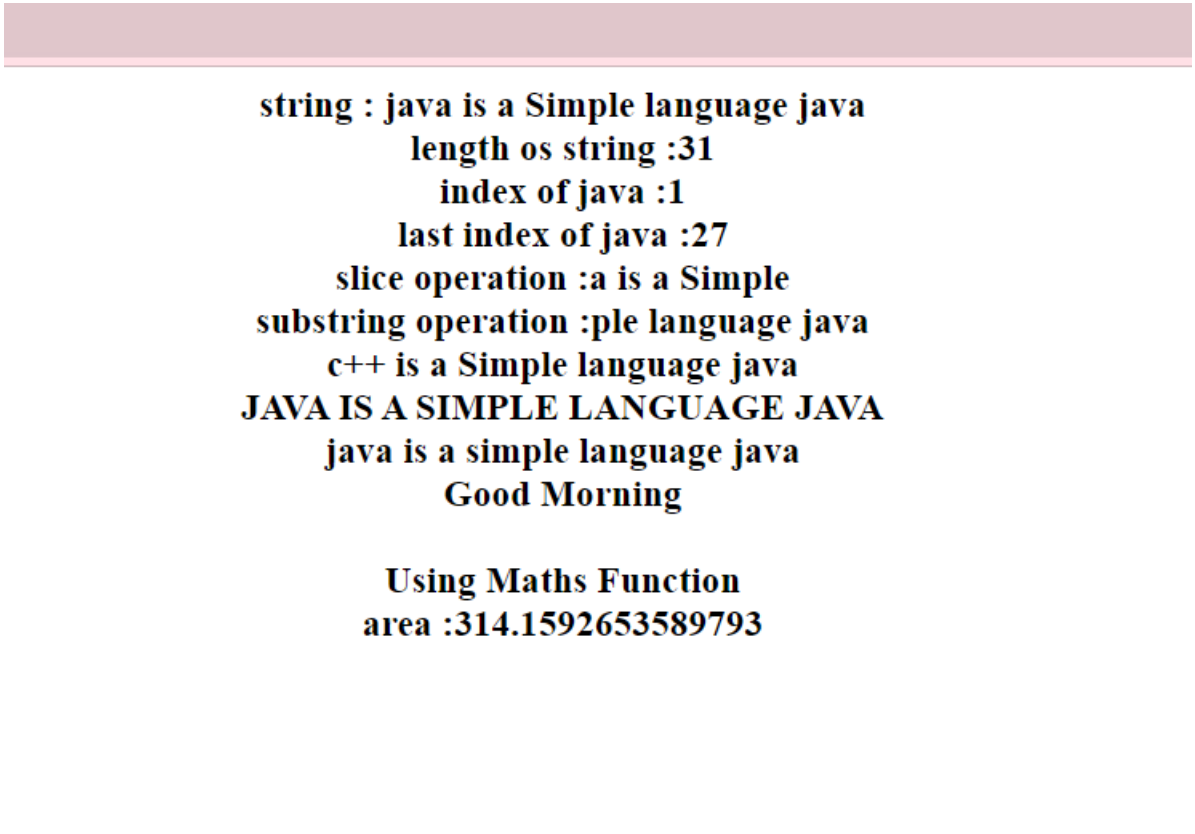
Learn and design client-side validation using scripting languages

Procedure:

```
<html>
 <head>
  <title>java strings</title>
</head>
<body>
<center><h3>
  <script>
   var str = " java is a Simple language java"
   document.write("string   :"+str+"<br>")
   document.write("length os string    :"+str.length+"<br>")
   document.write("index of java   :"+str.indexOf("java")+"<br>")
   document.write("last index of java   :"+str.lastIndexOf("java")+"<br>")
   document.write("slice operation   :"+str.slice(4,17)+"<br>")
   document.write("substring operation  :"+str.substring(14)+"</br>")
   document.write(str.replace("java"  , " c++")+"<br>")
   document.write(str.toUpperCase()+"<br>")
   document.write(str.toLowerCase()+"<br>")
   var t1 ="Good"
   var t2 = "Morning"
   var t3 = t1.concat(" ",t2)
   document.write(t3,"<br><br>")
```

```
 var r = 10
   var area = Math.PI*Math.pow(r,2,"<br>")
   document.write("Using Maths Function <br>")
   document.write("area    :"+area+"<br>")
  </script>
  </h3>
</center>
</body>
</html>
```

Output Screenshot:



Result:

The program was executed and the result was successfully obtained. Thus CO2 was obtained.

Experiment No.: 7

Aim:

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

CO2 :

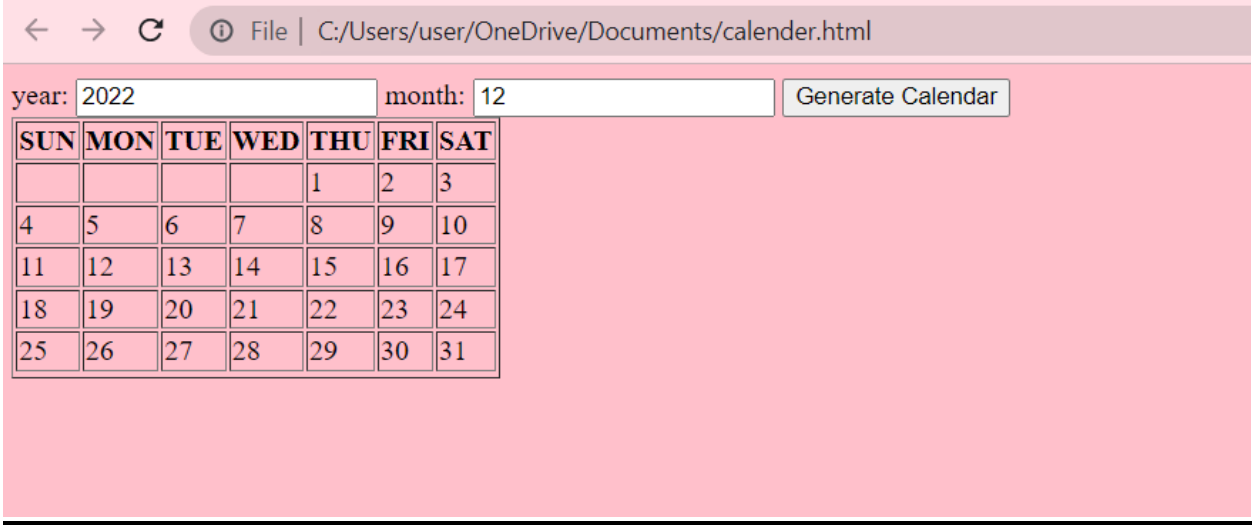
Learn and design client-side validation using scripting languages

Procedure:

```
<html>
<body bgcolor="pink">
<label> year:</label>
<input type="text" id="year">
<label> month:</label>
<input type="text" id="month">
<input type="button" id="demo" value="Generate Calendar" onclick="cal()"></td>
<div id="cal">
</div>
</body>
<script>
function cal()
{

  var init_cal="<table BORDER=1
id='calender'><tr><th>SUN</th><th>MON</th></th><th>TUE</th><th>WED</th><th>THU
</th><th>FRI</th><th>SAT</th></tr><tr>"
  var year=document.getElementById("year").value
  var month=document.getElementById("month").value
  month=month-1;
  var date=new Date(year,month);
```

```
var day=date.getDay();
for(var i=0;i<day;i++)
{
  init_cal+="<td></td>";
        }

       while(date.getMonth()==month)
       {
        init_cal+="<td>"+date.getDate()+"</td>";
        if(date.getDay()==6)
        {
          init_cal+="</tr><tr>";
                }
                date.setDate(date.getDate() +1);
                }

                init_cal+="<table>"
                document.getElementById("cal").innerHTML=init_cal;

                }
                 </script>
                </html>
```

Output Screenshot:



Result:

The program was executed and the result was successfully obtained. Thus CO2 was obtained.

Experiment No.: 8

Aim:

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

CO2 :

Learn and design client-side validation using scripting languages.

Procedure:

```
<html>
<head>
<script>
function VALIDATES() {
var name =
document.forms.RegForm.Name.value;
var email =
document.forms.RegForm.EMail.value;
var phone =
document.forms.RegForm.Telephone.value;
var what =
document.forms.RegForm.Subject.value;
var password =
document.forms.RegForm.Password.value;
var address =
document.forms.RegForm.Address.value;
var regEmail=/^\w+([\.-]?\w+)*@\w+(]?\w+)*(\.\w{2,3})+$/g;
var regPhone=/^\d{10}$/;
var regName = /\d+$/g;
```

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Amal Jyothi College of Engineering, Kanjirappally 31

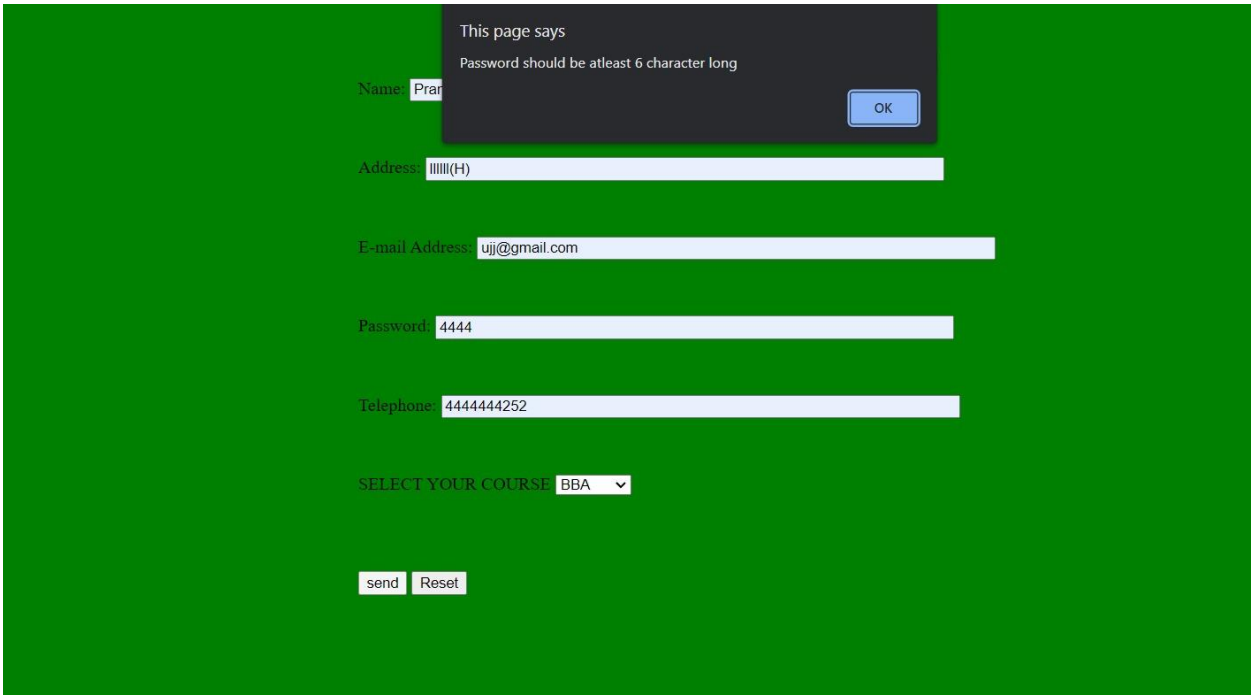
```
if (name == "" || regName.test(name)) {
```

```
window.alert("Please enter your name properly.");
name.focus();
return false;
}if (address == "") {
window.alert("Please enter your address.");
address.focus();
return false;
}
if (email == "" || !regEmail.test(email)) {
window.alert("Please enter a valid e-mail address.");
email.focus();
return false;
}
if (password == "") {
alert("Please enter your password");
password.focus();
return false;
}
if(password.length <6){
alert("Password should be atleast 6 character long");
password.focus();
return false;
}
if (phone == "" || !regPhone.test(phone)) {
alert("Please enter valid phone number.");
phone.focus();
return false;
}
if (what.selectedIndex == -1) {
```

```
alert("Please enter your course.");
what.focus();
return false;
}
return true;
}
</script><style>
div {
box-sizing: border-box;
width: 100%;
border: 100px solid black;
float: left;
align-content: center;
align-items: center;
}
form {
margin: 0 auto;
width: 600px;
}
</style>
</head>
<body bgcolor="green">
<h1 style="text-align: center;">REGISTRATION FORM</h1>
<form name="RegForm" onsubmit="return VALIDATES()" method="post">
<p>Name: <input type="text"size="65" name="Name" /></p><br />
<p>Address: <input type="text"size="65" name="Address" />
</p>
<br />
<p>E-mail Address: <input type="text"size="65" name="EMail" /></p>
```

```
<br />
<p>Password: <input type="text"size="65" name="Password" /></p>
<br />
<p>Telephone: <input type="text"size="65" name="Telephone" /></p>
<br />
<p>
SELECT YOUR COURSE
<select type="text" value="" name="Subject">
<option>BTECH</option>
<option>BBA</option>
<option>MCA</option>
<option>B.COM</option>
</select>
</p><br /><br />
<p>
<input type="submit"
value="send" name="Submit" />
<input type="reset"
value="Reset" name="Reset" />
</p></form>
</body></html>
```

Output Screenshot:



Result:

The program was executed and the result was successfully obtained. Thus CO2 was obtained.

Experiment No.: 9

Aim:

Evaluating JavaScript event handling for every click of a button to change the background colour of a HTML page.

CO2 :

Learn and design client-side validation using scripting languages

Procedure:

```
<html>
 <head>
  <title>event handleing</title>
  <style>
  button{
  width:150px;
  height:40px;
  color:white;
  border-color:black;
  background-color:#2A9CF8 ;
  border-radius:10px;
  }
  </style>
</head>
<body>
  <h1>background color change</h1>

   <button id = "b3">change background</button>
  <script>
        document.getElementById("b3").addEventListener("click",changebg);
        function changebg()
```

```
        {
          //document.body.style.backgroundImage = "url('bg.jpg')";


  document.body.style.backgroundColor = "lightgreen";
          document.getElementById("p1").style.color = "red";
        }
  </script>
</body>
</html>
```

Output Screenshot:

Result:

The program was executed and the result was successfully obtained. Thus CO2 was obtained.

Experiment No.: 10

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.

CO2 :

Learn and design client-side validation using scripting languages

Procedure:

```
<html>
<head>
   <title>mouseover</title>
   <style>
   body{ background-color: blanchedalmond; }
   img{border: 5px solid;}
   </style>
</head>
<body align="center">
   <br><br>
   <img src="" height="300" width="600" id="hai">
   <h1 id="h1"> <b> Mouse over function </b> </h1>
</body>
<script>
   document.getElementById("hai").onmouseover = function(){
      mouseover()  };
   document.getElementById("hai").onmouseout = function(){
      mouseout()  };
   function mouseover()
   {
      document.getElementById("h1").innerHTML = "image1";
```

```
document.getElementById("hai").src ="img1.jpg";
   }
   function mouseout(){
      document.getElementById("h1").innerHTML = "image2";
      document.getElementById("hai").src ="img2.jpg"
   }
</script>
</html>
```

Output Screenshot:

image2

Result:

The program was executed and the result was successfully obtained. Thus CO2 was obtained.

Experiment No.: 11

Aim:

Create a HTML page to show online exam using JavaScript.

CO2 :

Learn and design client-side validation using scripting languages

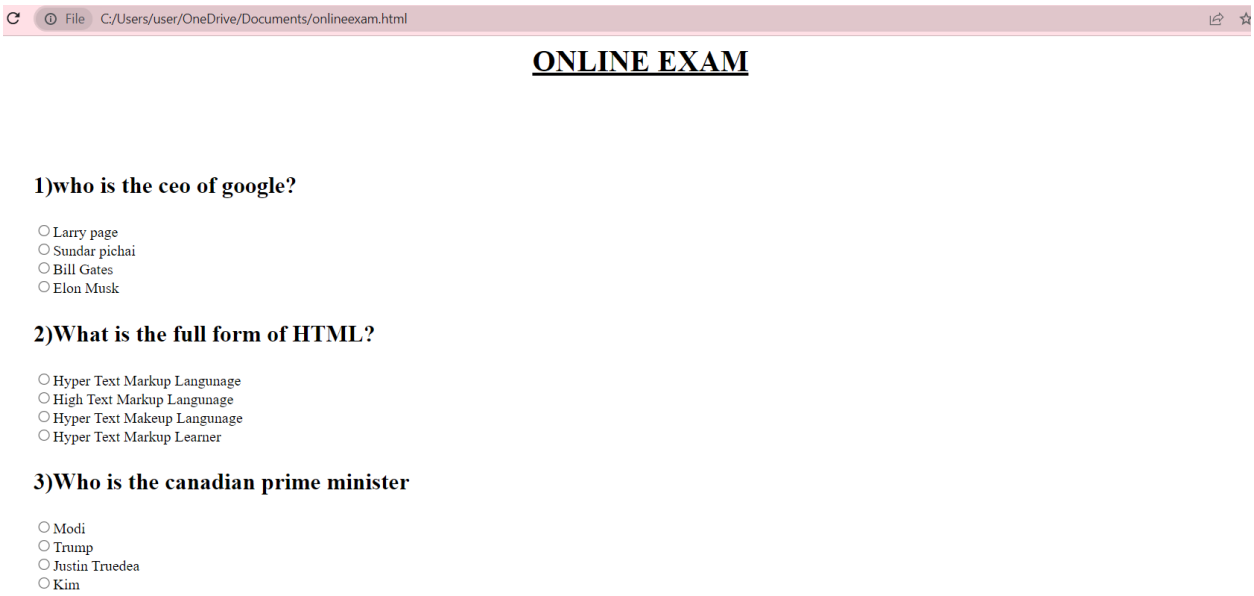
Procedure:

```
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>online exam</title>
</head>
<body>
 <u><h1 style="text-align: center;">ONLINE EXAM </h1> </u>
 <div style="margin: 100px;">
  <h3  style="font-size: 25px;">1)who is the ceo of google?</h3>
  <input type="radio" name="q1">Larry page<br>
  <input type="radio" name="q1" id="a">Sundar pichai<br>
  <input type="radio" name="q1">Bill Gates<br>
  <input type="radio" name="q1">Elon Musk<br>
  <h3 style="font-size: 25px;">2)What is the full form of HTML?</h3>
  <input type="radio" name="q2" id="b">Hyper Text Markup Langunage<br>
  <input type="radio" name="q2">High Text Markup Langunage<br>
  <input type="radio" name="q2">Hyper Text Makeup Langunage<br>
  <input type="radio" name="q2">Hyper Text Markup Learner<br>
  <h3 style="font-size: 25px;">3)Who is the canadian prime minister</h3>
```

```
  <input type="radio" name="q3">Modi <br>

  <input type="radio" name="q3">Trump<br>
  <input type="radio" name="q3" id="c">Justin Truedea <br>
  <input type="radio" name="q3">Kim<br>
  <h3 style="font-size: 25px;">4)A computer cannot "boot" if it does not have the _____</h3>
  <input type="radio" name="q4">Compiler<br>
  <input type="radio" name="q4">loader<br>
  <input type="radio" name="q4">Assembler<br>
  <input type="radio" name="q4" id="d">A operating system<br>
  <h3 style="font-size: 25px;">5)who is Tim cook</h3>
  <input type="radio" name="q5" id="e">CEO of Apple inc.<br>
  <input type="radio" name="q5">CEO of Facebook<br>
  <input type="radio" name="q5">CEO of UST <br>
  <input type="radio" name="q5">CEO of microsoft<br>
  <h3 style="font-size: 25px;">6)Junk e-mail is also called _____?</h3>
  <input type="radio" name="q6">Spoof<br>
  <input type="radio" name="q6" id="f">Spam<br>
  <input type="radio" name="q6">Sniffer script<br>
  <input type="radio" name="q6">Spool<br><br>
  <input type="button" value="submit" onclick="result()">
</div>
<script>
    function result(){
        var score=0;
        if(document.getElementById("a").checked){
            score++;
          }
```

```
    if(document.getElementById("b").checked){
        score++;
      }
    if(document.getElementById("c").checked){
        score++;
      }
    if(document.getElementById("d").checked){
       score++;
     }
    if(document.getElementById("f").checked){
        score++;
      }
    if(document.getElementById("e").checked){
         score++;
       }
    document.write("SCORE=",score);
     }
</script>
</body>
</html>
```

Output Screenshot:



Result:

The program was executed and the result was successfully obtained. Thus CO2 was obtained.

Experiment No.: 12

Aim:

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

CO3:

Design front end web page and connect to the back-end databases.

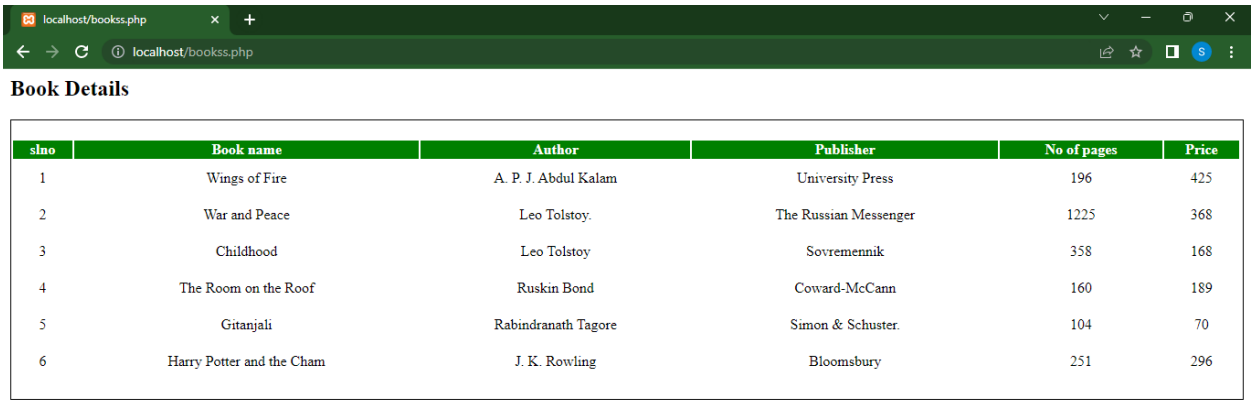
Procedure:

```
<html>
<head>
<style>
table{
        padding: 20px 0px 20px;
        border : solid 1px;
        width:100%;
}
th{
        background : green;
        color:white;
        text-align:center;
}
td{
        padding: 10px 0px 10px;
        text-align:center;
}
</style>
</head>
<body>
<h2>Book Details</h2>
<table>
```

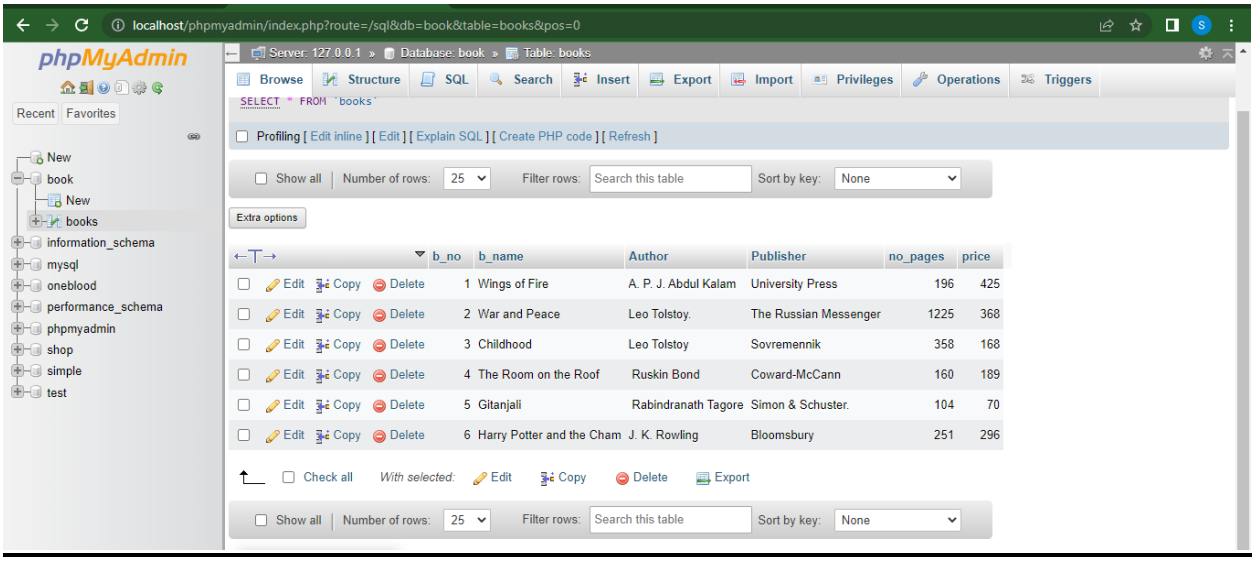
```
<tr>
<th>slno</th>
<th>Book name</th>
<th>Author</th>
<th>Publisher</th>
<th>No of pages</th>
<th>Price</th>
</tr>
<?php
$con=mysqli_connect("localhost","root","","book");
$m=mysqli_query($con,"select * from books");
while($row=mysqli_fetch_array($m))
{
$c=$row["b_no"];
$b=$row["b_name"];
$a=$row["Author"];
$p=$row["Publisher"];
$pu=$row["no_pages"];
$n=$row["price"];
?>
<tr>
<td><?php echo $c;?></td>
<td><?php echo $b;?></td>
<td><?php echo $a?></td>
<td><?php echo $p?></td>
<td><?php echo $pu?></td>
<td><?php echo $n?></td>
<td></td>
</tr>
```

```
<?php
}
?>
</table>
</body>
</html>
```

Output Screenshot:



slno	Book name	Author	Publisher	No of pages	Price
1	Wings of Fire	A. P. J. Abdul Kalam	University Press	196	425
2	War and Peace	Leo Tolstoy.	The Russian Messenger	1225	368
3	Childhood	Leo Tolstoy	Sovremennik	358	168
4	The Room on the Roof	Ruskin Bond	Coward-McCann	160	189
5	Gitanjali	Rabindranath Tagore	Simon & Schuster.	104	70
6	Harry Potter and the Cham	J. K. Rowling	Bloomsbury	251	296



Result:

The program was executed and the result was successfully obtained. Thus CO3 was obtained.

Experiment No.: 13

Aim:

Outline a registration form using PHP and do necessary validations.

CO4:

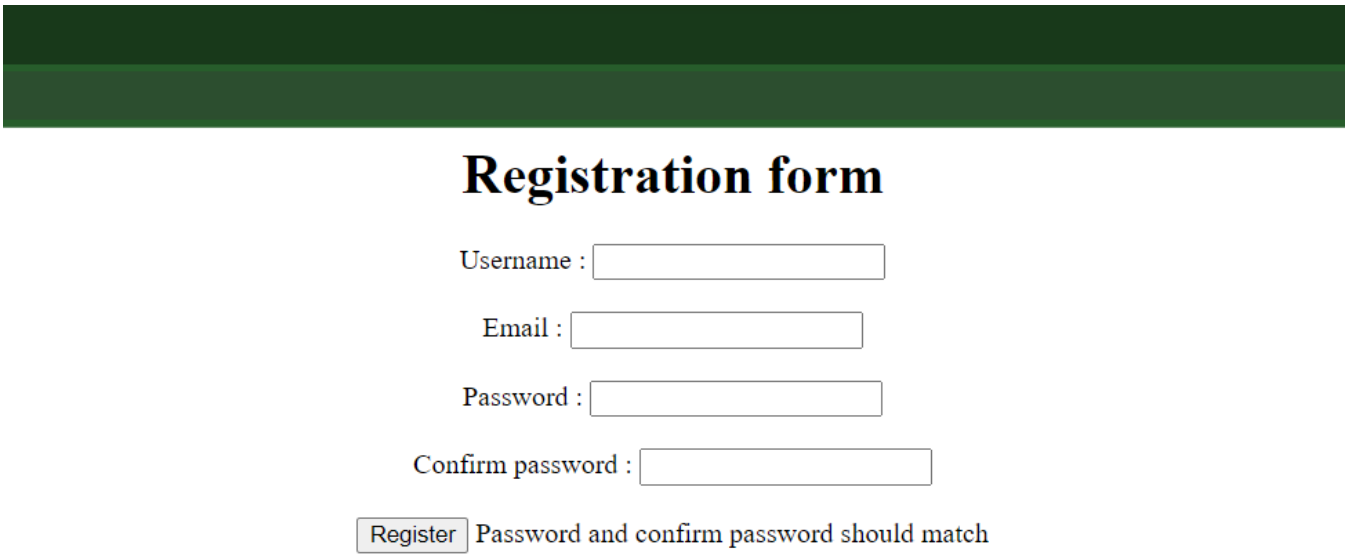
Do Client-side & Server-side scripting

Procedure:

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

Output Screenshot:



Result:

The program was executed and the result was successfully obtained. Thus CO4 was obtained.

Experiment No.: 14

Aim:

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

CO4:

Do Client-side & Server-side scripting

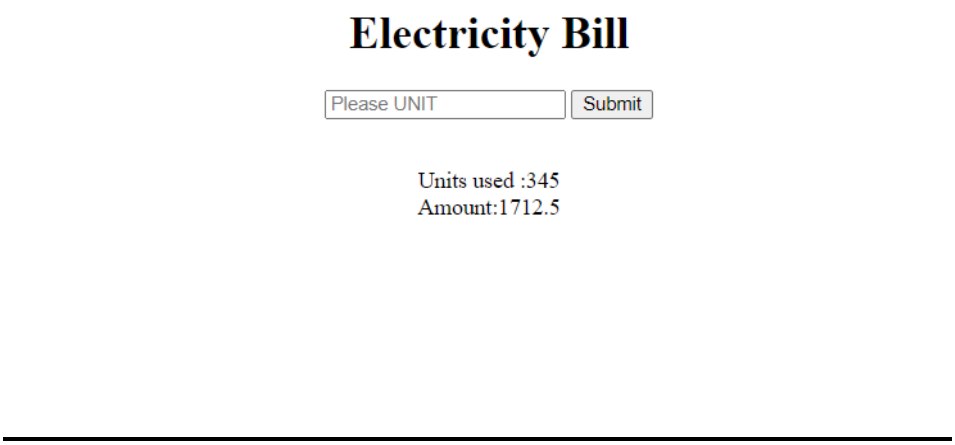
Procedure:

```
<?php
$result = '';
if (isset($_POST['b']))
        {
   $units = $_POST['units'];
    $result = bill($units);
}
function bill($units) {
   $first = 3.50;
   $second = 4.00;
   $third = 5.20;
   $fourth = 6.50;
   if($units <= 50) {
      $bill = $units*$first;
   }
   else if($units > 50 && $units <= 100) {
      $temp = 50 * $first;
      $remaining_units = $units - 50;
      $bill = $temp + ($remaining_units * $second);
   }
   else if($units > 100 && $units <= 200) {
      $temp = (50 * 3.5) + (100 * $second);
```

```
    $remaining_units = $units - 150;
     $bill = $temp + ($remaining_units * $third);
  }
  else {
     $temp = (50*3.5) + (100*$second) + (100*$third);
     $remaining_units = $units - 250;
     $bill = $temp + ($remaining_units * $fourth);
  }
  return $bill;
}
?>
<html>
<head>
        <title>Electricity Bill</title>
</head>
<body>
        <center>
        <br><br>
                <h1>Electricity Bill</h1>
                <form action="" method="post">
       <input type="number" name="units" placeholder="Please UNIT" />
       <input type="submit" name="b" value="Submit" />
                </form>
                 <?php
                 if(isset($_POST['b']))
                 {
                        echo '<br> Units used :'.$units;
                        echo '<br /> Amount:' . $result;
```

```
                }
                ?>
                <center>
</body
</html>
```

Output Screenshot:



Result:

The program was executed and the result was successfully obtained. Thus CO4 was obtained.

Experiment No: 15

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.

CO4 :

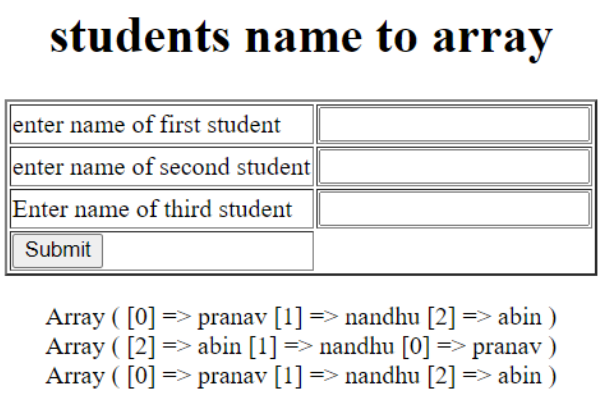
Do Client-side & Server-side scripting

Procedure:

```
<center>
<h1 align="Center">students name to array</h1>
<form action="#" method="post">
<table border="2">
<tr>
<td>enter name of first student</td>
<td><input type="text" name="t1"></td></tr>
<tr>
<td>enter name of second student</td>
<td><input type="text" name="t2">
</td></tr><tr>
<td>Enter name of third student</td>
<td><input type="text" name="t3">
</td></tr><tr>
<td><input type="submit" name="save">
</td></tr></table>
</form>
<?php
if(isset($_POST["save"]))
{
$a0=$_POST["t1"];
```

```
$a1=$_POST["t2"];
$a2=$_POST["t3"];
$a=array($a0,$a1,$a2);
print_r($a);
echo "<br>";
asort($a);
print_r($a);
echo "<br>";
arsort($a);
print_r($a);
}
?>
```

Output Screenshot:



Result:

The program was executed and the result was successfully obtained. Thus CO4 was obtained.

Experiment No.: 16

Aim:

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

CO4:

Do Client-side & Server-side scripting

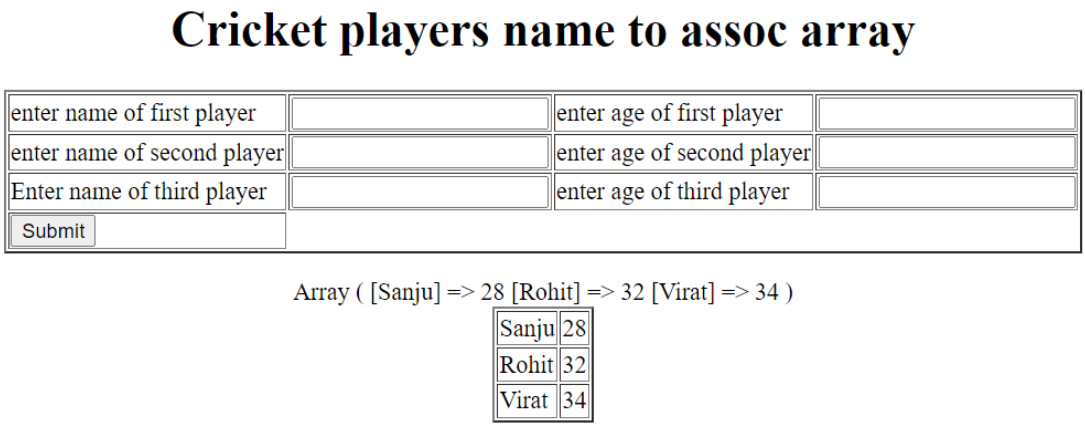
Procedure:

```
<center>
<h1 align="Center">Cricket players name to assoc array</h1>
<form action="#" method="post">
<table border="2">
<tr>
<td>enter name of first player</td>
<td><input type="text" name="t1"></td>
<td>enter age of first player</td>
<td><input type="text" name="t1a"></td>
</tr>
<tr>
<td>enter name of second player</td>
<td><input type="text" name="t2"></td>
<td>enter age of second player</td>
<td><input type="text" name="t2a"></td>
</td></tr>
<tr>
<td>Enter name of third player</td>
<td><input type="text" name="t3"></td>
<td>enter age of third player</td>
<td><input type="text" name="t3a"></td>
```

```
</tr> <tr>
<td><input type="submit" name="save">
</td> </tr> </table>
</form>
<?php
if(isset($_POST["save"]))
{
$a1=$_POST["t1"];
$a1a=$_POST["t1a"];
$a2=$_POST["t2"];
$a2a=$_POST["t2a"];
$a3=$_POST["t3"];
$a3a=$_POST["t3a"];
$a=array($a1=>$a1a,$a2=>$a2a,$a3=>$a3a);
print_r($a);
echo "<br>";
echo "<table border=2>";
echo "<tr>";
echo "<td>$a1</td>";
echo "<td>".$a[$a1]."</td>";
echo "</tr>";
echo "<tr>";
echo "<td>$a2</td>";
echo "<td>".$a[$a2]."</td>";
echo "</tr>";
echo "<tr>";
echo "<td>$a3</td>";
echo "<td>".$a[$a3]."</td>";
```

```
echo "</tr>";
echo "</table>";
}
?>
```

Output Screenshot:



Cricket players name to assoc array

enter name of first player		enter age of first player	
enter name of second player		enter age of second player	
Enter name of third player		enter age of third player	
Submit			

Array ([Sanju] => 28 [Rohit] => 32 [Virat] => 34)

Sanju	28
Rohit	32
Virat	34

Result:

The program was executed and the result was successfully obtained. Thus CO4was obtained.

Experiment No.: 17

Aim:

Develop Web applications using HTML and PHP

CO5:

Develop Web Applications

Procedure:

Dbconnection.php

```
<?php
  $con = mysqli_connect("localhost","root","","userdb");
?>
```

Form.php

```
<?php
include 'h.php';

?>
<html>
<head>
<title> APPLICATION FORM </title>
</head>
<body>
<form action="formm.php" method="post">
<center>
<h2><u> APPLICATION FORM </h2>
</u>
<div class="split left">
```

```
<div class="leftwards">
<table>
<tr>
<td>
NAME:</td><td><input type="text" name="name" size="20" placeholder="Name" ><br><br>
</td>
</tr>
<tr><td>
<p><label for="address">ENTER YOUR ADDRESS:</label></p>
 </td><td><textarea id="address" name="address" rows="4" cols="20">

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

        <tr><td><label for="gender"> GENDER:</label></td><br><br><br>
<td><input type="radio" name="gender" value="male">Male<br><br><br>
<input type="radio" name="gender" value="female">Female<br><br>
</td></tr>
<tr><td>
<label for="branch"> COUNTRY :</label>
</td>
<td>
<select name="country">
<option> INDIA </option>
<option> USA </option>
<option> CANADA  </option>
<option> U.K  </option>
</select><br><br>
</td>
</tr>
```

```
<tr><td>
</td><td><input type="submit" value="Submit" name="submit"></td></tr>
</table>
</div></div>

</center>
</form>
        </body>
        </html>
        <?php
include 'f.php';
?>
```

Output Screenshot:

	pid	pname	paddress	pgender	pcountry
Edit Copy Delete	7	efweeeff	grqeg	male	INDIA
Edit Copy Delete	8	efweeeff	grqeg	male	INDIA
Edit Copy Delete	14	pranav	xas	male	INDIA

Check all *With selected:* Edit Copy Delete Export

Result:

The program was executed and the result was successfully obtained. Thus CO5 was obtained.

Experiment No.: 18

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.

CO5:

Develop Web Applications

Procedure:

```
<?php
$con=mysqli_connect("localhost","root","","library");
if(isset($_POST['submit']))
{
  $ac=$_POST['ac'];
  $title = $_POST['title'];
  $author=$_POST['author'];
  $edition=$_POST['edition'];
  $publisher =$_POST['publisher'];
  $qr = "INSERT INTO `book`(`acc_no`, `title`, `author`, `edition`, `publisher`) VALUES
('$ac','$title','$author','$edition','$publisher')";
  $res=mysqli_query($con,$qr);
}
?>
<html>
<link rel="stylesheet" href="s.css">
<body>
<ul>
  <li><a class="active" href="#home">Home</a></li>
  <li><a href="#news">News</a></li>
```

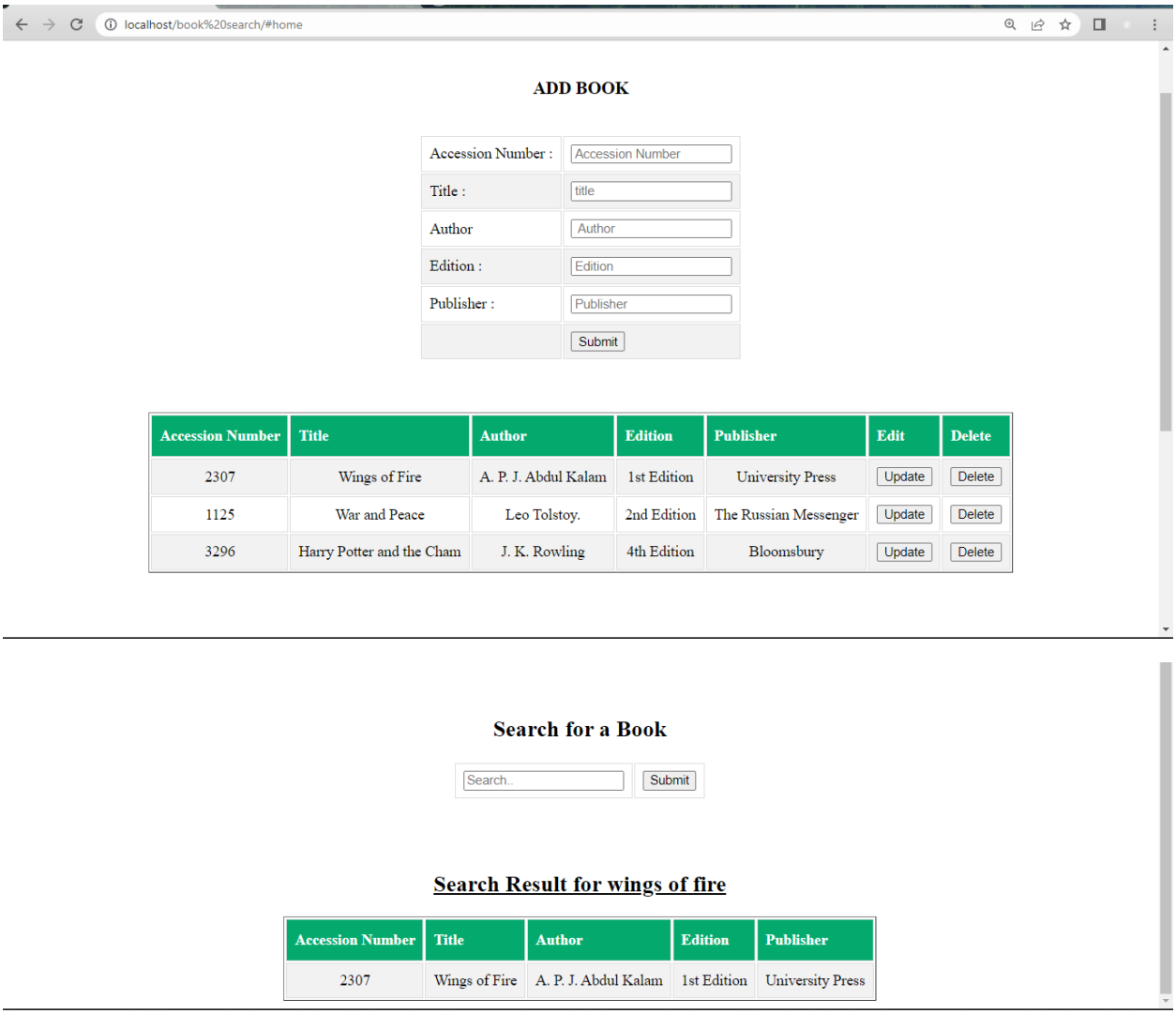
```
  <li><a href="#contact">Contact</a></li>
  <li><a href="#about">About</a></li>
</ul>
   <center>
      <form method="post" action="#">
         <br> <br>
         <h3>ADD BOOK</h3>
         <br>
         <table>
            <tr>
               <td>Accession Number :</td>
               <td><input type="text" name="ac" placeholder="Accession Number"></td>
            </tr>
            <tr>
               <td>Title :</td>
               <td><input type="text" name="title" placeholder="title"></td>
            </tr>
            <tr>
               <td>Author</td>
               <td><input type="text" name="author" placeholder=" Author"></td>
            </tr>
            <tr>
               <td>Edition :</td>
    <td><input type="text" name="edition" placeholder="Edition"></td>
            </tr>
            <tr>
               <td>Publisher :</td>
               <td><input type="text" name="publisher" placeholder="Publisher"></td>
            </tr>
```

```
            <tr>
                <td></td>
                <td> <button name="submit" class= "button">Submit</button> </td>
            </tr>
        </table>
    </form>
    <br>
    <br>
    <table border='1' id="customers">
        <tr align='center'>
            <th>Accession Number </th>
            <th>Title</th>
            <th> Author</th>
            <th> Edition</th>
            <th> Publisher</th>
            <th>Edit</th>
            <th>Delete</th>
        </tr>

        <?php
  $result = mysqli_query($con,"SELECT * FROM `book`");
  while($row = mysqli_fetch_array($result))
  {
?>
        <tr align='center'>
            <td><?php echo $row["acc_no"];?> </td>
            <td><?php echo $row["title"];?> </td>
            <td><?php echo $row["author"];?> </td>
            <td><?php echo $row["edition"];?> </td>
```

```
            <td><?php echo $row["publisher"];?> </td>
            <td> <button class="button button1">Update</button></td>
            <td> <button class="button button2">Delete</button></td>
        </tr>
        <?php
 }
 ?>
    </table>
     <br><br>
      <br>
      <br><br>
      <h2>Search for a Book</h2>
      <form method="post" action="#">
         <table ">
            <tr>
               <td><input type="text" name="search" placeholder="Search.."></td>
               <td><button name="sub" class="button">Submit</button></td>
            </tr>
         </table>
      </form><br><br>
      <table border='1' id="customers">
      <h2><u>Search Result for <?php echo $_POST['search']; ?></u></h2>
         <?php
if(isset($_POST['sub']))
{

  $val=$_POST['search'];
  $sql = "SELECT * FROM `book` WHERE title Like '$val%'";
  $search=mysqli_query($con,$sql);
```

```
 while($row = mysqli_fetch_array($search))
 {  ?>
        <tr>
           <th>Accession Number </th>
           <th>Title</th>
           <th> Author</th>
           <th> Edition</th>
           <th> Publisher</th>
        </tr>
        <tr align='center'>
           <td><?php echo $row["acc_no"];?> </td>
           <td><?php echo $row["title"];?> </td>
           <td><?php echo $row["author"];?> </td>
           <td><?php echo $row["edition"];?> </td>
           <td><?php echo $row["publisher"];?> </td>
        </tr>
        <?php
}}
 ?>
      </table>
   </center>
</body>
</html>
```

Output Screenshot:



Result:

The program was executed and the result was successfully obtained. Thus CO5was obtained.

Experiment No.: 19

Aim:

Micro Project

CO1-CO5:

Procedure:

Sample code:

index.php

```
<html>
<head>

</head>
<body>

<table align="center">

<?php
include 'h.php';
?>
<form action="adminlogphpp.php" method="POST">
<br>
<br>
<br>
<hr>
<h1><u><b> <center>ADMIN LOGIN </center> </h1></u></b>
<hr>

<tr>
```

```
<td>Admin ID:<input type="adminid"name="adminid"/><br><br></td></tr>

<tr>
<td>Password:<input type="password"name="password"/><br><br></td></tr>
<br>
<td><input type="submit"name="Login"value="Login"/></td></tr>
</table>
</div></div>
</form>
<?php
include 'f.php';
?>

</body>
</html>
```

Registration.php

```
<html>
   <head>
      <title> registration</title>
</head>
<link rel="stylesheet" href="css/bootstrap.min.css">
       <link rel="stylesheet" href="css/style1.css">
<body>


         <!-- Blank Start -->


         <div class=" ha">
```

```
<div class="form1">
<form class="clsi" action="reg_database.php" method="post" enctype="multipart/form-data">
<div class="row">
<div class="cls col-6 col-sm-6 col-md-6 col-lg-6 col-xl-6 col-xxl-6">
<img src="img/mic.png">
</div>
<div class="cls col-6 col-sm-6 col-md-6 col-lg-6 col-xl-6 col-xxl-6">
<p>#amaljyothi, <br>
kanjirappally,<br>
kottayam<br>
</p>
</div>
</div>
<h1 align="center"><u>Registration</u></h1>
<div class="row">
<div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-4 col-xxl-4">
<label> Full Name</label>
</div>
<div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-8 col-xxl-8">
<input type="text" name="fname">
</div>
</div>
<div class="row">
```

```
                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-4
col-xxl-4">
                        <label> Email</label>
                    </div>
                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-8
col-xxl-8">
                        <input type="Email" name="emai">
                    </div>

                </div>
                <div class="row">
                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-4
col-xxl-4">
                        <label> Phone</label>
                    </div>
                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-8
col-xxl-8">
                        <input type="number" name="numbe"
                        oninput="javascript: if (this.value.length >
this.maxLength) this.value = this.value.slice(0, this.maxLength);"

            maxlength = "10" required>
                    </div>

                </div>
                <div class="row">
                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-4
col-xxl-4">
                        <label> Address</label>
                    </div>
                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-8
col-xxl-8">
```

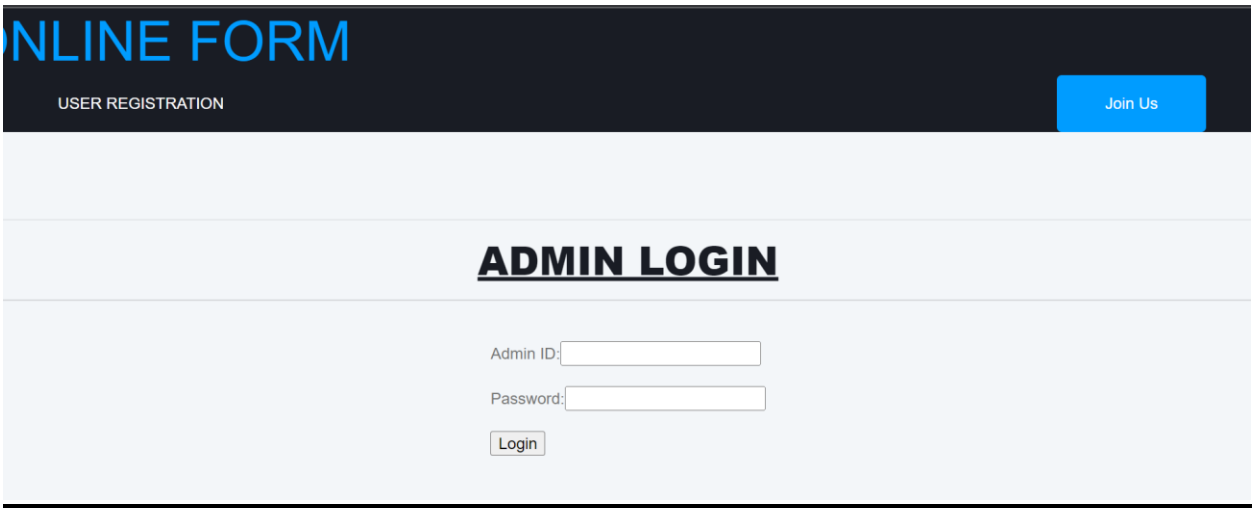
```
                                        <input type="text" name="addres">
                                    </div>


                                </div>
                                <div class="row">
                                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-4
col-xxl-4">
                                        <label>Educational Qualification</label>
                                    </div>
                                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-8
col-xxl-8">
                                        <!-- <input type="text" name="cname"> -->
                <input type="text" name="ede">


                                    </div>
                                </div>
                                <div class="row">
                                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-4
col-xxl-4">
                                        <label>Date Of Joining</label>
                                    </div>
                                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-8
col-xxl-8">
                                        <input type="date" name="dat">
                                    </div>
</div>
                                <div class="row">
                                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-4
col-xxl-4">
                                        <label> Year Of Experience</label>
                                    </div>
```

```
                                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-8
col-xxl-8">
                                        <input type="text" name="iname">
                                    </div>

                                </div>

                                    <div class="row">
                                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-4
col-xxl-4">
                                        <label> photo</label>
                                    </div>
                                    <div class="cls col-12 col-sm-6 col-md-6 col-lg-6 col-xl-8
col-xxl-8">
                                        <input type="file" name="pic">
                                    </div>

                                </div>

                                </div>

                                <input class="sub" type="submit" value="Submit"  name="sub"  >
                            </form>
                        </div>
                    </div>
 <!-- Blank End -->
   <!-- Template Javascript -->
   <script src="js/main.js"></script>
</body>
</html>
```

Connection.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "project";
// Create connection
$conn = new mysqli($servername, $username, $password,$dbname);

 //Check connection
 if ($conn->connect_error) {
 die("Connection failed: " . $conn->connect_error);
 }
 else{
 // echo "Connected successfully";
 }
?>
```

Output Screenshot:



COMPANY NAME

kanjirappally,
kottayam

Registration

Full Name	
Email	
Phone	
Address	
Educational Qualification	
Date Of Joining	dd-mm-yyyy
Year Of Experience	

Search Message Notification ADMIN

STUDENTS Show All

SN	Name	PHONE.NO	EDUCATION	EMAIL	ADDRESS	DATE	EXPERIENCE	PHOTO	Action
1	pranav p k	9876543456	ug	pranav@gmail.com	kunneparambil	2023-02-16	1		EDIT | DELETE
2	sreehari	8373644553	ug	sree@gmail.com	cvvcihbk	2023-02-16	1		EDIT | DELETE
3	subin tom	8373253343	ug	sub@gmail.com	edefef	2023-02-16	1		EDIT | DELETE

Result:

The program was executed and the result was successfully obtained. Thus CO1, CO2, CO3, CO4, CO5 was obtained