

## **Experiment No.: 1**

### **Aim**

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

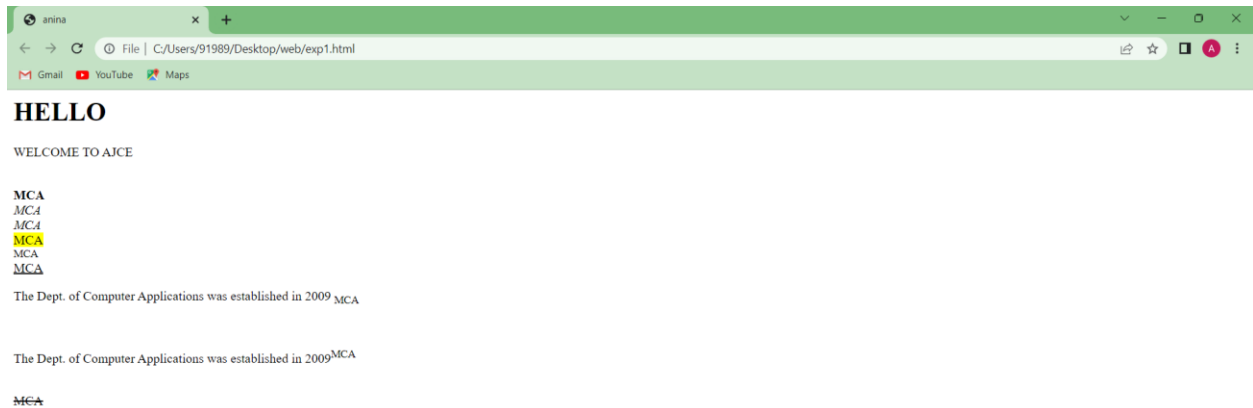
### **CO1**

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

### **Procedure**

```
<html>
<head><title>anina</title></head>
  <body>
    <h1>HELLO</h1>
    <p>WELCOME TO AJCE</p>
    <b><br></b>
    <strong>MCA</strong><br>
    <i>MCA</i><br>
    <em>MCA</em><br>
    <mark>MCA</mark>
    <br>
    <small>MCA</small>
    <br>
    <u>MCA</u>
    <br>
    <p>The Dept. of Computer Applications was established in 2009
    <sub>MCA </sub></p><br>
    <p>The Dept. of Computer Applications was established in 2009<sup>MCA</sup></p><br>
    <strike>MCA</strike><br>
  </body>
</html>
```

## Output Screenshot



## Result

The program was executed and the result obtained successfully. 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>mca</title></head>
<body>
<h1>WELCOME TO MCA</h1>

<table border="1">
<tr>
<th>SLNO.</th>
<th>COURSE</th>
</tr>
<tr>
<td>1</td>
<td>MCA</td>
<tr>
<td>2</td>
<td>INT MCA</td>
</tr>
</table>
<a href="about.html">ABOUT</a><br>
</body>
</html>
```

### About.html

```
<body>
<p>
```

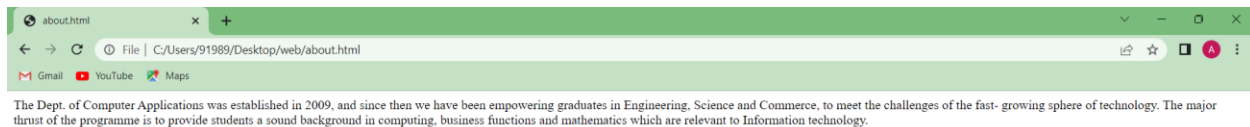
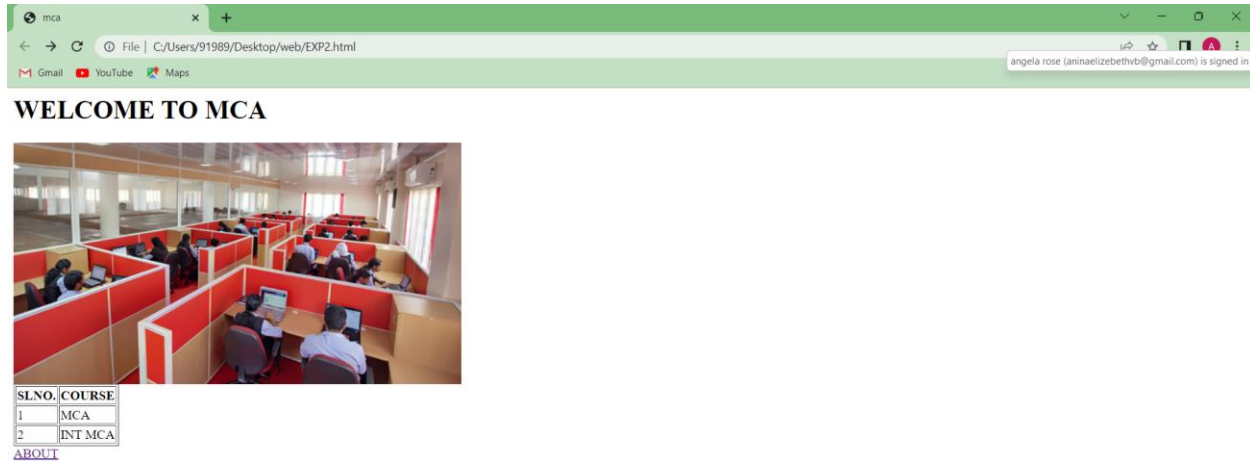
The Dept. of Computer Applications was established in 2009, and since then we have been empowering graduates in Engineering, Science and Commerce, to meet the challenges of the fast- growing sphere of technology. The major thrust of the programme is to provide students a

sound background in computing, business functions and mathematics which are relevant to Information technology.

&lt;/p&gt;

&lt;/body&gt;

## Output Screenshot



## Result

The program was executed and the result obtained successfully. 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**

#### **Frame.html**

```
<frameset rows="30%,35%,35%">
<frameset cols="20%,20%,20%,20%,20%">
<frame src="f1.html"></frame>
<frame src="f2.html"></frame>
<frame src="f3.html"></frame>
<frame src="f4.html"></frame>
<frame src="f5.html"></frame></frameset>
<frameset cols="20%,20%,20%,20%,20%">
<frame src="f6.html"></frame>
<frame src="f7.html"></frame>
<frame src="f8.html"></frame>
<frame src="f9.html"></frame>
<frame src="f10.html"></frame></frameset>
<frameset cols="20%,20%,20%,20%,20%">
<frame src="f11.html"></frame>
<frame src="f12.html"></frame>
<frame src="f13.html"></frame>
<frame src="f14.html"></frame>
<frame src="f15.html"></frame>
</frameset>
</frameset>
```

#### **F1.html**

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

```
<br>
<a href="https://www.ajce.in/ch/index.html">CHEMICAL ENGINEERING</a>
</body>
</html>
```

**F2.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br>
<a href="https://www.ajce.in/ce/index.html">CIVIL ENGINEERING</a>
</body>
</html>
```

**F3.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br>
<a href="https://www.ajce.in/cse/index.html">COMPUTER SCIENCE AND
ENGINEERING</a>
</body>
</html>
```

**F4.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br>
<a href="https://www.ajce.in/fe/index.html">FOOD TECHNOLOGY</a>
</body>
</html>
```

**F5.html**

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

```
<br>
<a href="https://www.ajce.in/ece/index.html"> ELECTRONICS & COMMUNICATION
ENGINEERING</a>
</body>
</html>
```

**F6.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br>
<a href="https://www.ajce.in/eee/index.html">ELECTRICAL & ELECTRONICS
ENGINEERING</a>
</body>
</html>
```

**F7.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br>
<a href="https://www.ajce.in/it/index.html"> INFORMATION TECHNOLOGY</a>
</body>
</html>
```

**F8.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br>
<a href="https://www.ajce.in/me/index.html">MECHANICAL ENGINEERING</a>
</body>
</html>
```

**F9.html**

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

```
<br>
<a href="https://www.ajce.in/ma/index.html">MECHANICAL ENGINEERING
(AUTOMOBILE)</a>
</body>
</html>
```

**F10.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br>
<a href="https://www.ajce.in/mca/index.html"> MASTER OF COMPUTER
APPLICATIONS</a>
</body>
</html>
```

**F11.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br><img>
<a href="https://www.ajce.in/mt/index.html">METALLURGICAL & MATERIALS
ENGINEERING</a>
</body>
</html>
```

**F12.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br>
<a href="https://www.ajce.in/hum/index.html"> HUMANITIES</a>
</body>
</html>
```

**F13.html**

```
<html>
<head>
<title>
```



```
</title></head>
<body>
<br>
<a href="https://www.ajce.in/home/counselling.html">COUNSELLING</a>
</body>
</html>
```

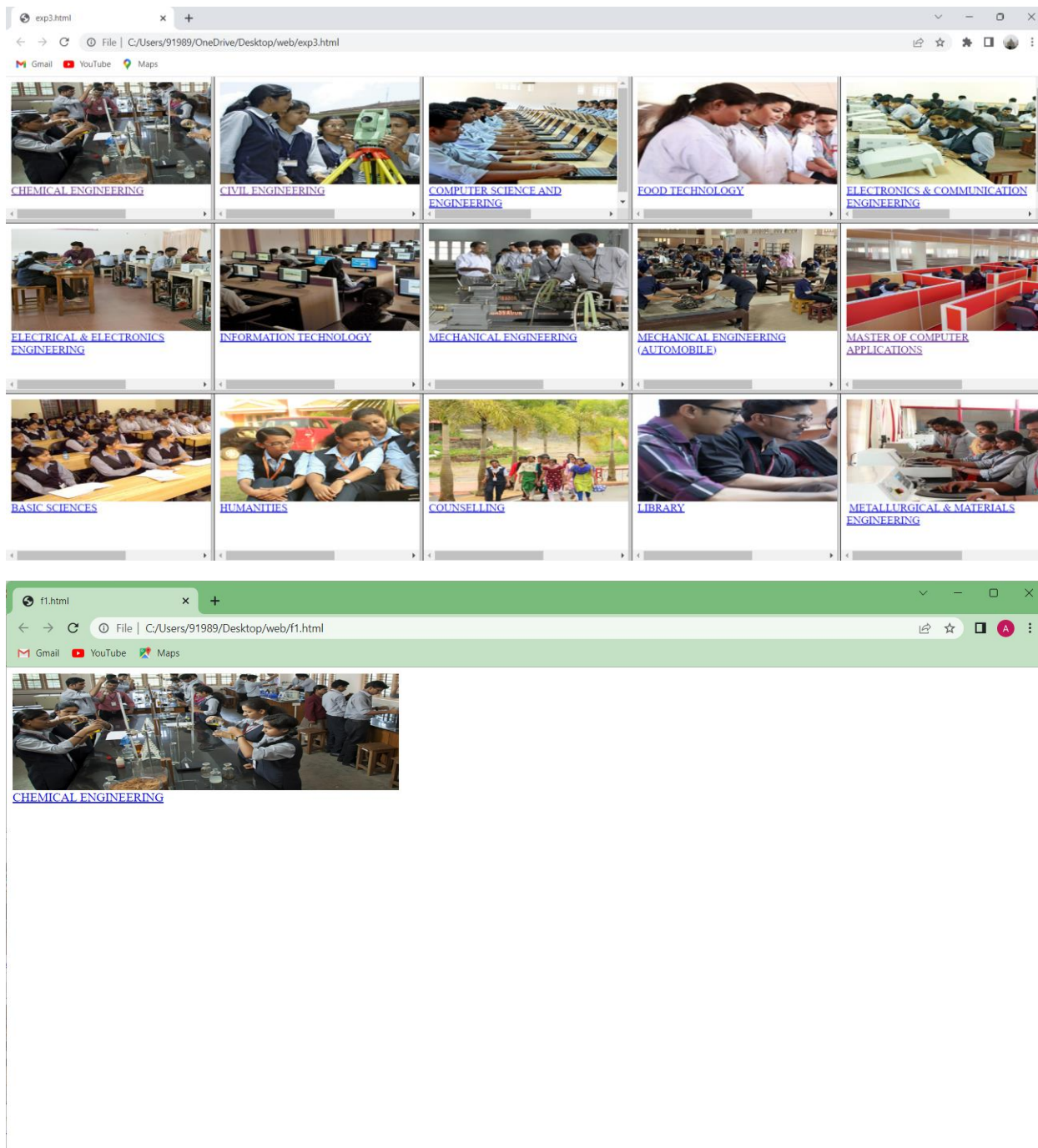
**F14.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br>
<a href="https://www.ajce.in/home/library.html"> LIBRARY</a>
</body>
</html>
```

**F15.html**

```
<html>
<head>
<title>
</title></head>
<body>
<br><img>
<a href="https://www.ajce.in/mt/index.html">METALLURGICAL & MATERIALS
ENGINEERING</a>
</body>
</html>
```

## Output Screenshot



## Result

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

## **Experiment No.: 4**

### **Aim**

Analyse 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**

```
<html>
<head>
  <link rel="stylesheet" href="mystyle.css">
<style>
body {
  background-color:tomato;
}
h1 {
  color: grey;
font-family: verdana;
  font-size: 300%;
}
h2{
  color: yellow;
  padding: 60px;
font-family: verdana;
  font-size: 300%;
}
</style>
</head>
<body>
<h1 style="text-align:center;">Union Territories of India</h1>
<h2>Lakshadweep</h2>
<p>Lakshadweep (/ləkˈʃɑːdwiːp/), also known as Laccadives (/ˈlækədiːvz/), is a union territory of India. It is an archipelago of 36 islands in the Arabian sea, located 200 to 440 km (120 to 270 mi) off the Malabar Coast.
The name Lakshadweep means "one lakh islands" in Sanskrit, though the Laccadive Islands are just one part of the archipelago of no more than a hundred islands. Malayalam is the primary as well as the widely spoken native language in the territory.[4][5] The islands form the smallest
```

union territory of India and their total surface area is just 32 km<sup>2</sup> (12 sq mi). The lagoon area covers about 4,200 km<sup>2</sup> (1,600 sq mi), the territorial waters area 20,000 km<sup>2</sup> (7,700 sq mi) and the exclusive economic zone area 400,000 km<sup>2</sup> (150,000 sq mi). The region forms a single Indian district with 10 subdivisions. Kavaratti serves as the capital of the Union Territory and the region comes under the jurisdiction of Kerala High Court. The islands are the northernmost of the Lakshadweep–Maldives–Chagos group of islands, which are the tops of a vast undersea mountain range, the Chagos-Lakshadweep Ridge.[6] The Lakshadweep originally consisted of 36 islands; however, due to the Parali 1 island being submerged in water due to sea erosion, 35 islands remain.[7]

&lt;/p&gt;

&lt;/body&gt;

&lt;/html&gt;

Mystyle.css

p {

color: navy;

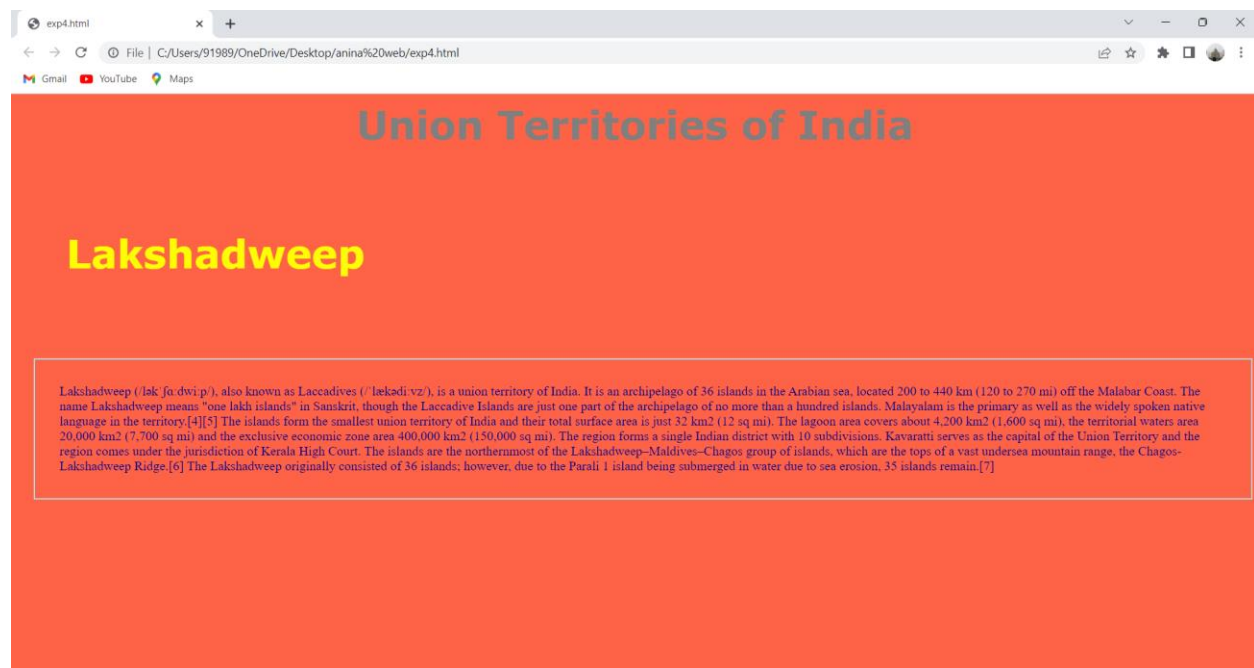
padding:30px;

border: 2px solid powderblue;

margin-left: 20px;

}

## Output Screenshot



## Result

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

## **Experiment No.: 5**

### **Aim**

Demonstrate a registration form using HTML.

### **CO1**

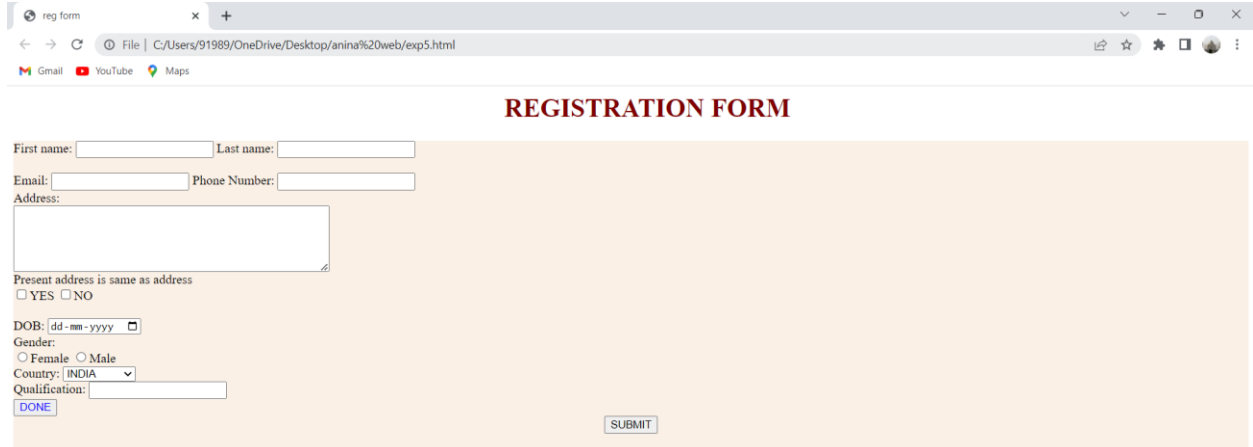
Explore markup languages features and create interactive web pages using them.

### **Procedure**

```
<html>
<head>
<style>
form {
  background-color: linen;
}
h1 {
  color: maroon;
  margin-left: 40px;
}
</style>
<title>reg form</title>
</head>
<body>
<h1 style="text-align:center;">REGISTRATION FORM</h1>
<form>
<label for="fname">First name:</label>
<input type="text" id="fname">
<label for="lname">Last name:</label>
<input type="text" id="lname"><br>
<br><label for="mail">Email:</label>
<input type="email" id="mail">
<label for="ph">Phone Number:</label>
<input type="number" id="ph"><br>
<label for="fname">Address:</label><br>
<textarea name="message" rows="5" cols="50"></textarea><br>
<label for="add">Present address is same as address</label><br>
<input id="add" type="checkbox" name="YES" value="YES">YES
<input id="add" type="checkbox" name="NO" value="NO">NO<br>
<br><label for="dob">DOB:</label>
```

```
<input type="date" id="dob"><br>
<label for="gen">Gender:</label><br>
<input type="radio" id="gen" name="gen" value="Female">Female
<input type="radio" id="gen" name="gen" value="Male">Male<br>
<label for="coun">Country:</label>
<select id="coun">
<option>INDIA</option>
<option>CHINA</option>
<option>NEPAL</option>
<option>SRILANKA</option>
<option>UAE</option>
<option>USA</option>
</select><br>
<label for="Qualification">Qualification:</label>
<input list="Qualification">
<datalist id="Qualification">
<option value="10th">10th</option>
<option value="12th">12th</option>
<option value="Degree">Degree</option>
<option value="Masters">Masters</option></datalist>
<br>
<button style="color:blue;text-align:center;" type="button" onclick="alert('ARE YOU SURE
ALL ARE DONE THEN SUBMIT')">DONE</button>
<center><input type="submit" value="SUBMIT"></center><br>
</form>
</body>
</html>
```

## Output Screenshot



The screenshot shows a web browser window with a single tab titled 'reg form'. The address bar displays the file path 'C:/Users/91989/OneDrive/Desktop/anina%20web/exp5.html'. Below the browser window, a registration form is displayed on a light orange background. The form is titled 'REGISTRATION FORM' in bold red text. It contains the following fields and controls:

- First name:
- Last name:
- Email:
- Phone Number:
- Address:
- Present address is same as address: ☐ YES ☐ NO
- DOB:
- Gender: ☐ Female ☐ Male
- Country:
- Qualification:
- A blue 'DONE' button is located below the Qualification field.
- A 'SUBMIT' button is located at the bottom right of the form.

## Result

The program was executed and the result obtained successfully. 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 java script.

### **CO2**

Learn and design client-side validation using scripting languages.

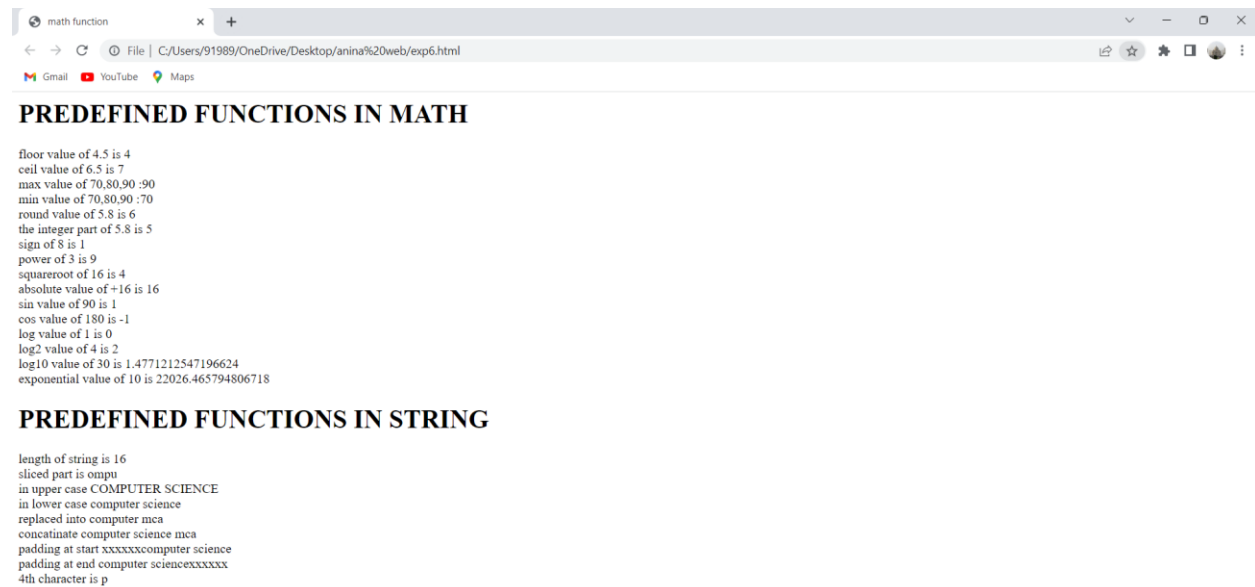
### **Procedure**

```
<html>
<head>
<title>
math function
</title>
</head>
<body>
<h1>PREDEFINED FUNCTIONS IN MATH</h1>
<script>
x=Math.floor(4.5)
document.write("floor value of 4.5 is "+x+"<br>")
y=Math.ceil(6.5)
document.write("ceil value of 6.5 is "+y+"<br>")
z=Math.max(70,80,90)
document.write("max value of 70,80,90 :"+z+"<br>")
z=Math.min(70,80,90)
document.write("min value of 70,80,90 :"+z+"<br>")
a=Math.round(5.8)
document.write("round value of 5.8 is "+a+"<br>")
b=Math.trunc(5.8)
document.write("the integer part of 5.8 is "+b+"<br>")
c=Math.sign(8)
document.write("sign of 8 is "+c+"<br>")
d=Math.pow(3,2)
document.write("power of 3 is "+d+"<br>")
e=Math.sqrt(16)
document.write("squareroot of 16 is "+e+"<br>")
f=Math.abs(+16)
document.write("absolute value of +16 is "+f+"<br>")
g=Math.sin(90 * Math.PI / 180)
document.write("sin value of 90 is "+g+"<br>")
h=Math.cos(180 * Math.PI / 180)
document.write("cos value of 180 is "+h+"<br>")
i=Math.log(1)
```



```
document.write("log value of 1 is "+i+"<br>")
j=Math.log2(4)
document.write("log2 value of 4 is "+j+"<br>")
k=Math.log10(30)
document.write("log10 value of 30 is "+k+"<br>")
l=Math.exp(10)
document.write("exponential value of 10 is "+l+"<br>")
</script>
<h1>PREDEFINED FUNCTIONS IN STRING</h1>
<script>
var t="computer science"
var tx="mca"
x=t.length
document.write("length of string is "+x+"<br>")
y=t.slice(1,5)
document.write("sliced part is "+y+"<br>")
z=t.toUpperCase()
document.write("in upper case "+z+"<br>")
w=t.toLowerCase()
document.write("in lower case "+w+"<br>")
a=t.replace("science","mca")
document.write("replaced into "+a+"<br>")
b=t.concat(" ",tx)
document.write("concatenate "+b+"<br>")
c=t.padStart(22,"x")
document.write("padding at start "+c+"<br>")
d=t.padEnd(22,"x")
document.write("padding at end "+d+"<br>")
e=t.charAt(3)
document.write("4th character is "+e+"<br>")
</script>
</body>
</html>
```

## Output Screenshot



## Result

The program was executed and the result obtained successfully. 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>
  <head>
    <title>Calender</title>
  <body bgcolor="lightblue">
    Enter an year <input type="text" id="year">
    <button onClick="createCalendar();">OK</button>
    <script>
      function createCalendar()
      {
        var year=Number(document.getElementById("year").value);

        const months = [
          "January",
          "February",
          "March",
          "April",
          "May",
          "June",
          "July",
          "August",
          "September",
          "October",
          "November",
          "December",
        ];
        for(let mon=0;mon<12;++mon){
          let d=new Date(year,mon);
          let table=months[mon]+
            "<table border='5'><tr><th>SUN</th><th>MON</th><th>TUE</th><th>WED</th>
            <th>THU</th><th>FRI</th><th>SAT</th></tr>for(let i=0; i < d.getDay(); i++)
```

```

{
    table += "<td>X</td>";
}

while(d.getMonth()===mon){
    table+="<td>" +d.getDate()+ "</td>";

    if (d.getDay() == 6) {
        table += "</tr><tr>";
    }
    d.setDate(d.getDate() + 1);
}

if(d.getDay()!=0){
    for(let i=d.getDay();i<=6;i++){
        table+="<td>X</td>";
    }
}

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

document.getElementById(mon).innerHTML = table;
}
</script>
</head>
<body>
<table align="center" >
<tr>
<td><div id="0"></div></td>
<td><div id="1"></div></td>
<td><div id="2"></div></td>
<td><div id="3"></div></td>
</tr>
<tr>
<td><div id="4"></div></td>
<td><div id="5"></div></td>
<td><div id="6"></div></td>
<td><div id="7"></div></td>
</tr>
<tr>
<td><div id="8"></div></td>
<td><div id="9"></div></td>

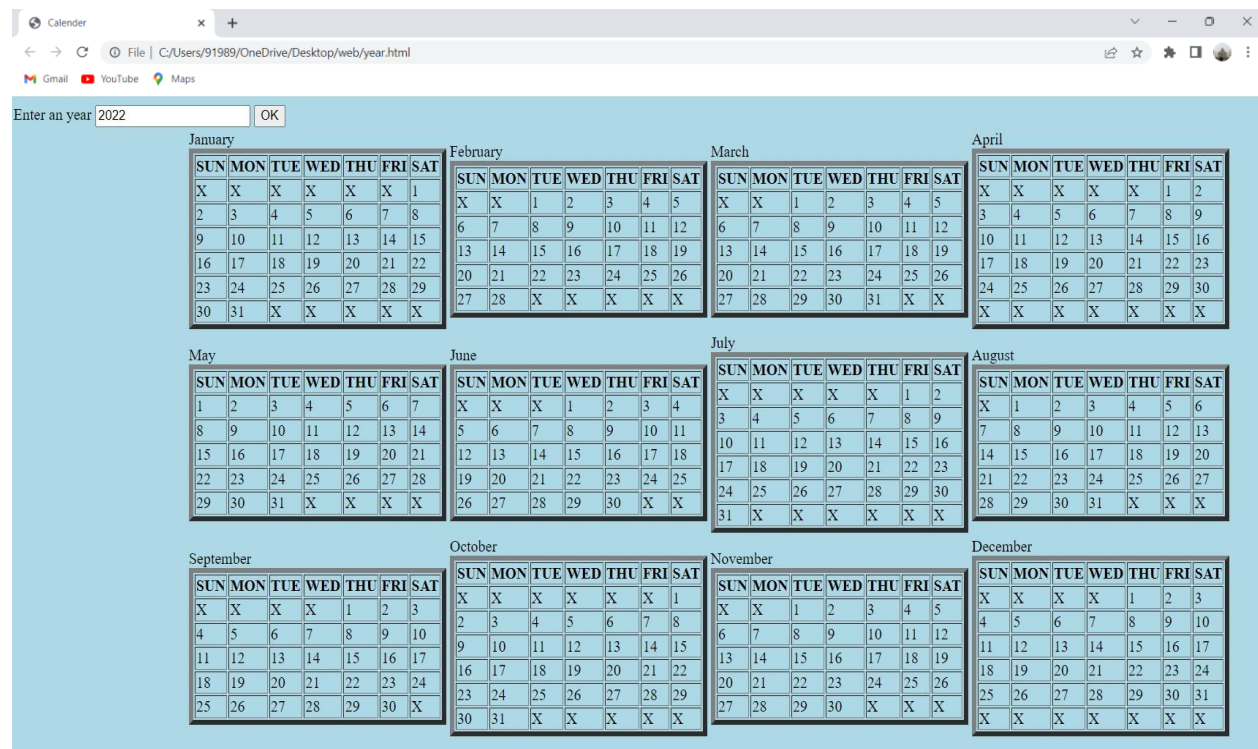
```

```

<td><div id="10"></div></td>s
<td><div id="11"></div></td>
</tr>
</table>
</body>
</html>

```

## Output Screenshot



## Result

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

## **Experiment No.: 8**

### **Aim**

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

### **CO2**

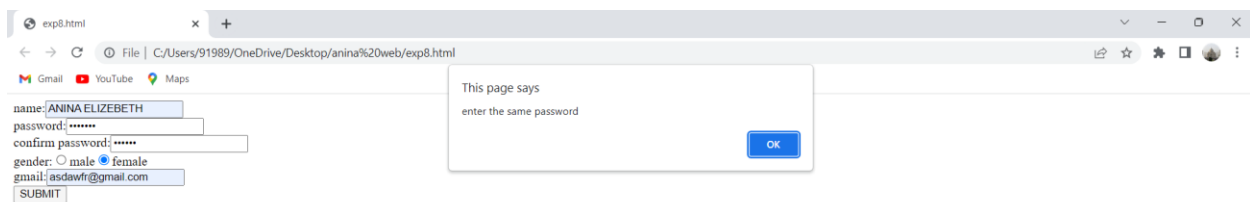
Learn and design client-side validation using scripting languages.

### **Procedure**

```
<html>
<body>
<script>
function valid()
{
var x=document.myform.name.value;
var y=document.myform.password.value;
var z=document.myform.cpassword.value;
var g=document.myform.email.value;
var atpos=g.indexOf("@");
var dotpos=g.lastIndexOf(".");
if(x==null||x=="")
{
alert("the name field should not be blank");
}
if(y.length<6)
{
alert("create strong password");
}
if(y!=z)
{
alert("enter the same password");
}
if(myform.male[0].checked==false && myform.male[1].checked==false)
{
alert("choose gender");
}
if(atpos<1||dotpos<atpos+2||dotpos+2>=g.length)
{
alert("invalid mail");
}
```

```
}  
}  
</script>  
<form name="myform" onsubmit=valid()>  
name:<input type="text" name="name"><br>  
password:<input type="password" name="password"><br>  
confirm password:<input type="password" name="cpassword"><br>  
gender:<input type="radio" name="male" value="male">male<input type="radio" name="male"  
value="female">female<br>  
gmail:<input type="email" name="email"><br>  
<input type="submit" value="SUBMIT">  
</form>  
</body>  
</html>
```

## Output Screenshot



## Result

The program was executed and the result obtained successfully. 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.

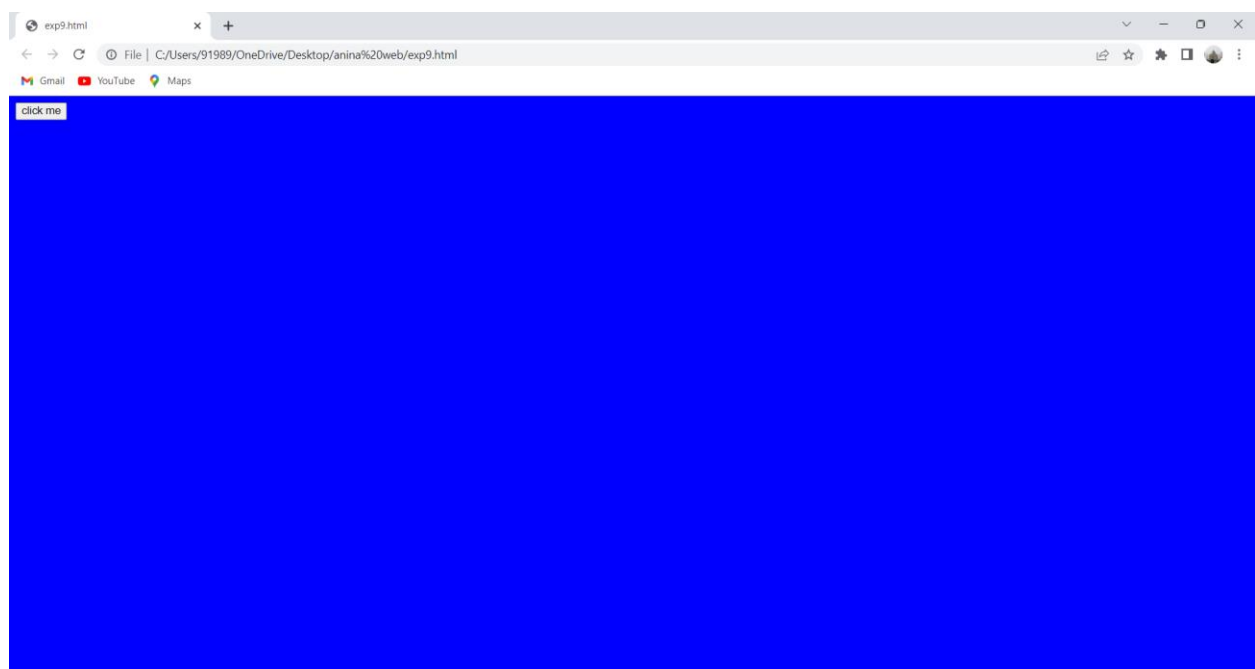
### **CO2**

Learn and design client-side validation using scripting languages.

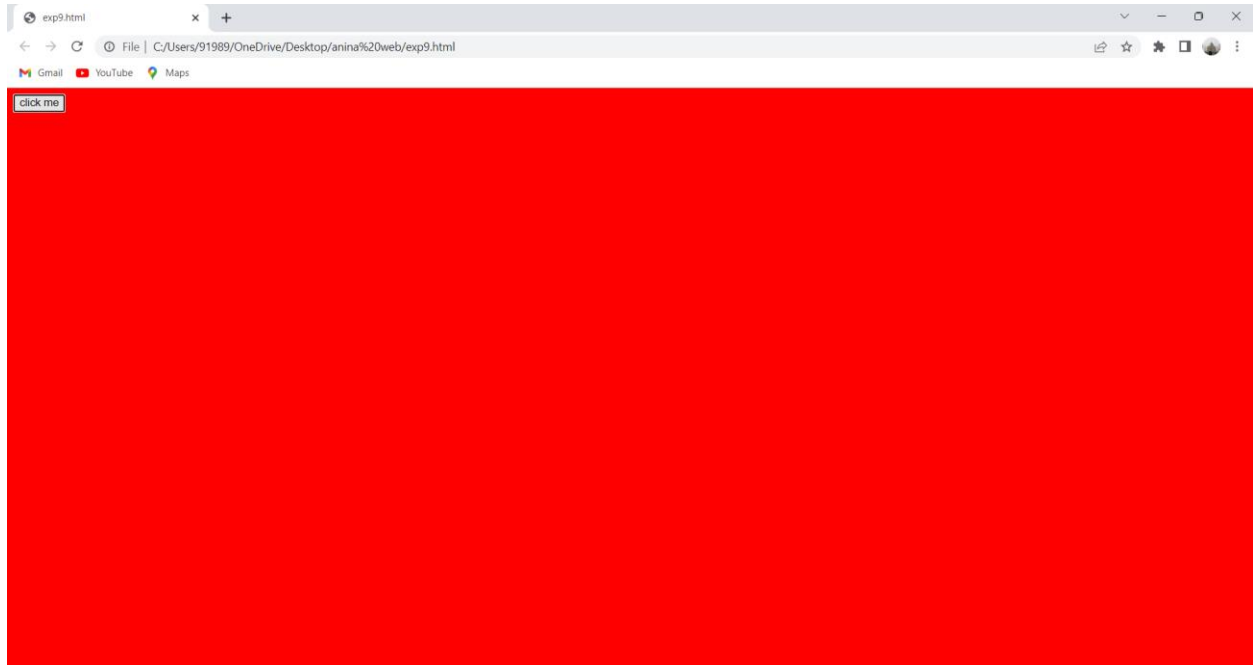
### **Procedure**

```
<body style="background-color:blue">
<script>
function color()
{
document.body.style.background="red"
}
</script>
<input type="button" onclick="color()" value="click me">
</body>
```

### **Output Screenshot**







## **Result**

The program was executed and the result obtained successfully. Thus, CO<sub>2</sub> 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**

```
<body>
<script>
function mouseover()
{
document.getElementById("p").innerHTML="I CHANGED"
document.getElementById("img").src="https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcR1cfjvVZ3ZUEbXjxD5m0BC4b_HI7ckJAyMd7Weg
AK&s"
}
</script>
<p id="p" onmouseover="mouseover()">CLICK ME</p>

</body>
```

## Output Screenshot



## Result

The program was executed and the result obtained successfully. 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**

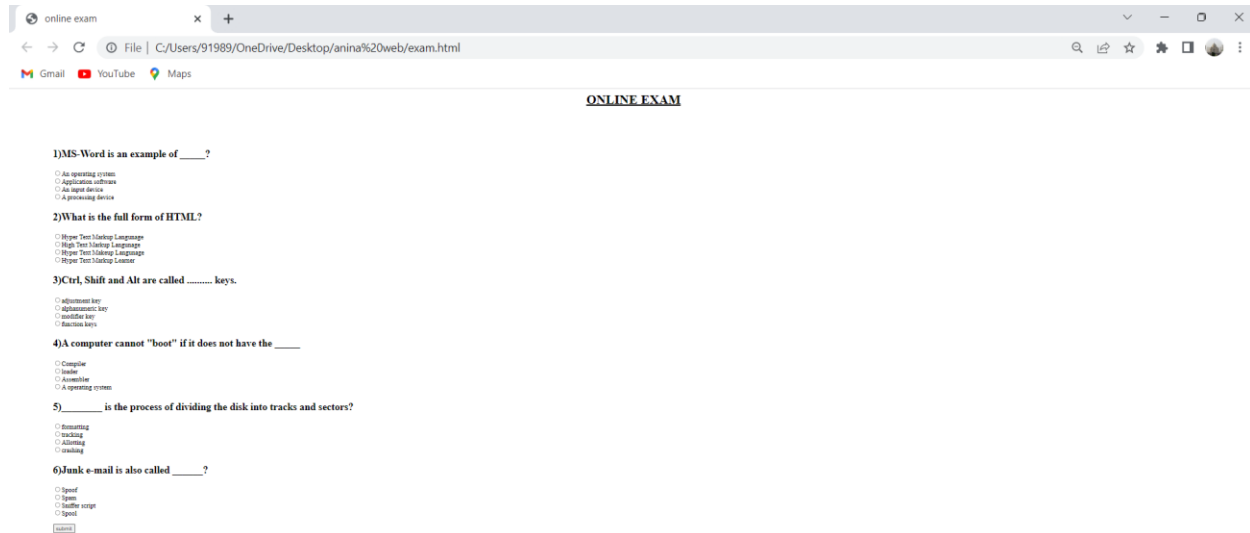
```
<html>
<head>
<title>online exam</title>
</head>
<body>
<u><h1 style="text-align: center;">ONLINE EXAM </h1> </u>
<div style="margin: 100px;">
  <h3 style="font-size: 25px;">1)MS-Word is an example of ____?</h3>
  <input type="radio" name="q1">An operating system<br>
  <input type="radio" name="q1" id="a">Application software<br>
  <input type="radio" name="q1">An input device<br>
  <input type="radio" name="q1">A processing device<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 Language<br>
  <input type="radio" name="q2">High Text Markup Language<br>
  <input type="radio" name="q2">Hyper Text Makeup Language<br>
  <input type="radio" name="q2">Hyper Text Markup Learner<br>
  <h3 style="font-size: 25px;">3)Ctrl, Shift and Alt are called ..... keys.</h3>
  <input type="radio" name="q3">adjustment key<br>
  <input type="radio" name="q3">alphanumeric key<br>
  <input type="radio" name="q3" id="c">modifier key<br>
  <input type="radio" name="q3">function keys<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)_____ is the process of dividing the disk into tracks
  and sectors?</h3>
  <input type="radio" name="q5" id="e">formatting<br>
```

```
<input type="radio" name="q5">tracking<br>
<input type="radio" name="q5">Allotting<br>
<input type="radio" name="q5">crashing<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 obtained successfully. 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**

#### **INSERT.PHP**

```
<html>
  <head>
    <title></title>
    <style>
      body
      {
        margin:2%;
        border:2px solid black;
      }
      table
      {
        background-color:#f0f2f5;
        width:80%;
      }
      form{ margin:2%;
      }
    </style>
  </head>
<body style="background-color:#dbd6d0">
<?php
  $conn=new mysqli("localhost","root","","details");
  if($conn->connect_error)
  {
    die("Connection fail".connect_error);
  }
  echo "<center><h1>Details</h1></center>"; if(isset($_POST["s"]))
  {
    $no=$_POST["no"];
```

```

    $n=$_POST["name"];
    $d=$_POST["dob"];
    $a=$_POST["address"];
    $p=$_POST["phno"];
    $e=$_POST["email"];
    $sql="INSERT INTO `personal
details`(no,name,dob,address,phno,email)VALUES('$no','$n','$d','$a','$p','$e')";
    $result=$conn->query($sql);    if($result==TRUE)
    {
        echo "Inserted Successfully";
        header('Location:viewdetails.php');
    }
}
?>
<form method="POST">
    No.:<input type="text" id="no" name="no"><br><br>
    Name:<input type="text" id="name" name="n"><br><br>
    dob:<input type="date" id="dob" name="d"><br><br>
    Address:<textarea type="text" id="address" name="a"></textarea><br><br>
    Phone number<input type="text" id="phno" name="p"><br><br>
    Email Id:<input type="email" id="email" name="e"><br><br>
    <input type="submit" id="s" name="s">
</form>
</body>
</html>

```

### VIEW.PHP

```

<html>
<head>
    <title></title>
    <style>
        body
        {
            margin:2%;
            border:2px solid black;
        }
        table
        {
            background-color:#f0f2f5;
            width:80%;
        }
    </style>
</head>

```



```
<body style="background-color:#dbd6d0">

<?php
$conn=new mysqli("localhost","root","","details");
if($conn->connect_error)
{
    echo "Connection fail".$conn->connect_error;
}
$sql="SELECT * FROM `personal details`";
$result=$conn->query($sql);
if($result!=TRUE)
{
    echo "Connector fail";
}
echo "<center>";
echo "<h1>Details</h1><table border=1px solid black;>
    <tr> <th>No</th>
        <th>Name</th>
        <th>DOB</th>
        <th>Address</th>
        <th>phone No.</th>
        <th>Email</th>
        <th></th>
        <th></th> </tr>";
while($row=$result->fetch_assoc())
{
    echo "<tr><td>".$row['no'].</td>
        <td>".$row['name'].</td>
        <td>".$row['dob'].</td>
        <td>".$row['address'].</td>
        <td>".$row['phno'].</td>
        <td>".$row['email'].</td>?>
        <td><a href="update.php?no=<?php echo
$row['no'];?>">Edit</a></td>
        <td><a href="delete.php?no=<?php echo
$row['no'];?>">Delete</a></td> </tr>
<?php
    }
    echo "</table></center>";
?>
</body>
</html>
```

**DELETE.PHP**

```
<html>
  <head>
    <title></title>
    <style>
      body
      {
        margin:2%;
        border:2px solid black;
        padding :2%;
      }
    </style>
  </head>
  <body style="background-color:#dbd6d0">
<?php
  $conn=new mysqli("localhost","root","","details");
  if($conn->connect_error)
  {
    die("Connection fail".connect_error);
  }
  if(isset($_GET['no']))
  {
    $no=$_GET['no'];
    $sql="DELETE FROM `personal details` WHERE `no`='$no'";
    $result=$conn->query($sql);
    if($result==TRUE)
    {
      echo "Deleted successfully";
      //header('Location:areult.php');
    }
    else
    {
      echo "error";
    }
  }
?>
</body>
</html>
```

**Update.php**

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

```
<style>
    body
    {
        margin:3%;
    }
</style>
</head>
<body style="background-color:#dbd6d0">
<?php
$conn=new mysqli("localhost","root","","details");
if($conn->connect_error)
{
    die("Connection fail".connect_error);
}

if(isset($_POST['update']))
{
    $no=$_POST['no'];
    $name=$_POST['name'];
    $dob=$_POST['dob'];
    $address=$_POST['address'];
    $phno=$_POST['phno'];
    $email=$_POST['email'];
    $sql="UPDATE `personal details` SET
`no`='$no',`name`='$name',`dob`='$dob',`address`='$address',`phno`='$phno',`email`='$email'
WHERE `no`='$no'";
    $result=$conn->query($sql);
    if($result==TRUE)
    {
        header('location:viewdetails.php');
    }
    else
    {
        echo "failed";
    }
}
if(isset($_GET['no']))
{
    $no=$_GET['no'];
    $sql="SELECT * FROM `personal details` WHERE `no`='$no'";
    $result=$conn->query($sql);
    if($result->num_rows>0)
```

```
{
    while($row=$result->fetch_assoc())
    {
        $no=$row['no'];
        $name=$row['name'];
        $dob=$row['dob'];
        $address=$row['address'];
        $phno=$row['phno'];
        $email=$row['email'];
    }

    ?>
    <h1>UPDATE</h1>
    <form method="POST">

        No.:<input type="text" id="no" name="no" value="<?php echo $no ?>"><br><br>
        Name:<input type="text" id="name" name="name" value="<?php echo $name
?>"><br><br>
        dob:<input type="date" id="dob" name="dob" value="<?php echo $dob ?>"><br><br>
        Address:<textarea type="text" id="address" name="address"><?php echo
$address?></textarea><br><br>
        Phone number<input type="text" id="phno" name="phno" value="<?php echo $phno
?>"><br><br>
        Email Id:<input type="email" id="email" name="email" value="<?php echo $email
?>"><br><br>
        <input type="submit" value="update" name="update">
        <input type="reset">
    </form>
    <?php
    }
}

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

## Output Screenshot

### INSERT.PHP

The screenshot shows a web browser window with the URL `localhost/anina/insert.php`. The page has a title "Details" and contains a form with the following fields:

- No:
- Name:
- dob:
- Address:
- Phone number:
- Email Id:
- 

### VIEW.PHP

The screenshot shows a web browser window with the URL `localhost/anina/viewdetails.php`. The page has a title "Details" and displays a table with the following data:

No	Name	DOB	Address	phone No.	Email		
1	anina	2023	Chethikkattil (house) p.o.chazhur	984	anina@gmail.com	<a href="#">Edit</a>	<a href="#">Delete</a>

## UPDATE.PHP

**UPDATE**

No.: 2

Name: anagha

dob: dd-mm-yyyy

Address: abcdeffh p o cherpu

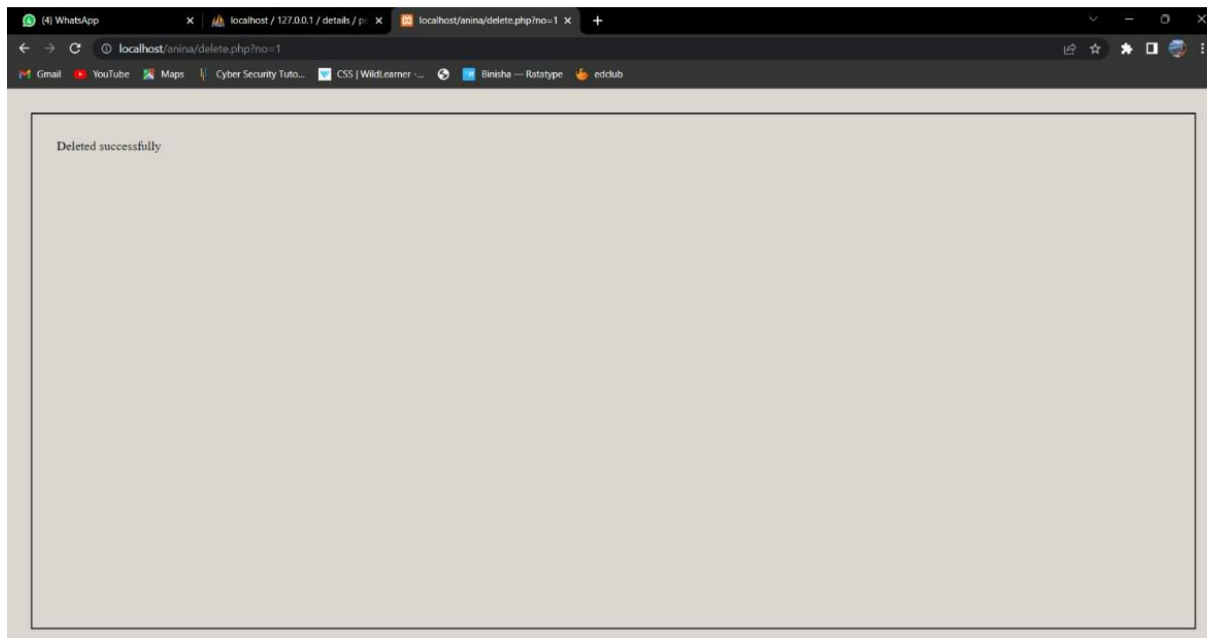
Phone number: 2147483647

Email Id: anagha@gmail.com

**Details**

No	Name	DOB	Address	phone No.	Email		
2	anagha	0	agidgnadnuej p o Kottayam	2147483647	anagha@gmail.com	<a href="#">Edit</a>	<a href="#">Delete</a>

## DELETE.PHP



### Result

The program was executed and the result obtained successfully. 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.

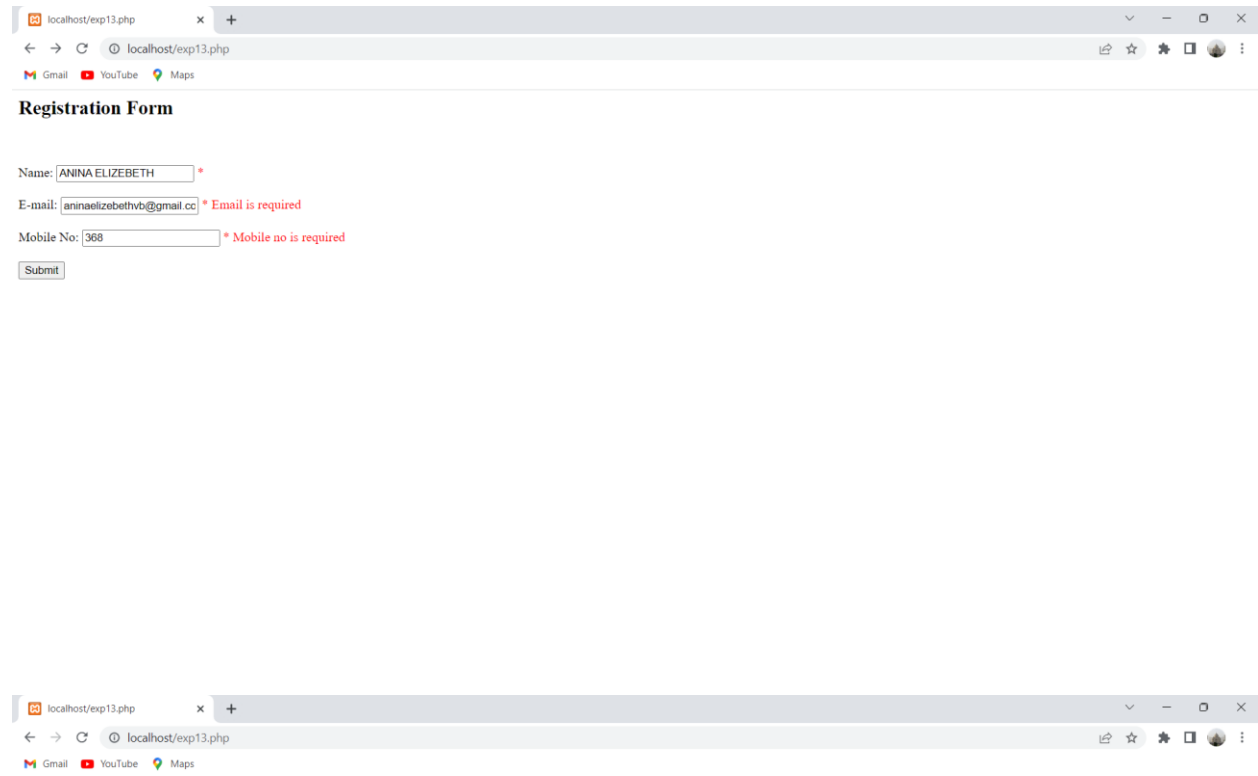
### **Procedure**

```
<html>
<head>
<style>
.error {color: #FF0001;}
</style>
</head>
<body>
<?php
$nameErr = $emailErr = $mobilenErr=""; $name = $email = $mobilen=""; if
($_SERVER["REQUEST_METHOD"] == "POST") { if (empty($_POST["name"])) {
$nameErr = "Name is required";
} else {
$name = input_data($_POST["name"]); if (!preg_match("/^[a-zA-Z ]*$/",$name))
$nameErr = "Only alphabets and white space are allowed";
} }
if ( empty($_POST["email"])) {
$emailErr = "Email is required";
} else {
$email = input_data($_POST["email"]);
if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
$emailErr = "Invalid email format";
}
}
if ( empty($_POST["mobilen"])) {
$mobilenErr = "Mobile no is required";
} else {
$mobilen = input_data($_POST["mobilen"]); if (!preg_match (" /^[0-9]*$/", $mobilen) ) {
$mobilenErr = "Only numeric value is allowed.";
}
if (strlen ($mobilen) != 10) {
$mobilenErr = "Mobile no must contain 10 digits.";
```

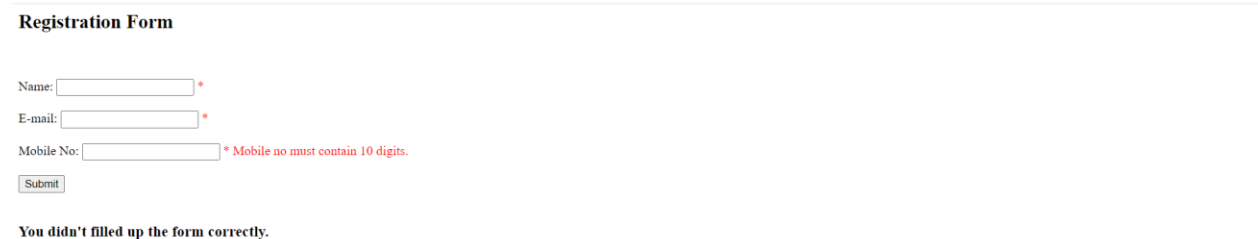


```
}  
}  
  
function input_data($data) { $data = trim($data);  
$data = stripslashes($data); $data = htmlspecialchars($data); return $data;  
}  
?>  
<h2>Registration Form</h2>  
<span class = "error"> </span>  
<br><br>  
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" >  
Name:  
<input type="text" name="name">  
<span class="error">* <?php echo $nameErr; ?> </span>  
<br><br> E-mail:  
<input type="text" name="email">  
<span class="error">* <?php echo $emailErr; ?> </span>  
<br><br>  
Mobile No:  
<input type="text" name="mobilenno">  
<span class="error">* <?php echo $mobilennoErr; ?> </span>  
<br><br>  
<input type="submit" name="submit" value="Submit">  
<br><br>  
</form> <?php  
if(isset($_POST['submit'])) {  
if($nameErr == "" && $emailErr == "" && $mobilennoErr == "") { echo "<h3 color = #FF0001>  
<b>You have sucessfully registered.</b> </h3>"; echo "<h2>Your Input:</h2>"; echo "Name: "  
.$name; echo "<br>"; echo "Email: " . $email; echo "<br>";  
echo "Mobile No: " . $mobilenno; echo "<br>"; } else {  
echo "<h3> <b>You didn't filled up the form correctly.</b> </h3>";  
}  
}  
?>  
</body>  
</html>
```

## Output Screenshot



The screenshot shows a web browser window with the address bar displaying 'localhost/exp13.php'. The page title is 'Registration Form'. The form contains three input fields: 'Name' with the value 'ANINA ELIZABETH', 'E-mail' with the value 'aninaelizabethb@gmail.cc', and 'Mobile No.' with the value '368'. A 'Submit' button is located below the form. Validation messages are displayed in red text: '\* Email is required' next to the email field and '\* Mobile no is required' next to the mobile number field.



The screenshot shows the same web browser window with the 'Registration Form'. The input fields for 'Name', 'E-mail', and 'Mobile No.' are now empty. A validation message in red text, '\* Mobile no must contain 10 digits.', is displayed next to the 'Mobile No.' field. Below the form, a message in bold black text states: 'You didn't filled up the form correctly.'

## Result

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

## **Experiment No.: 14**

### **Aim**

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

### **CO4**

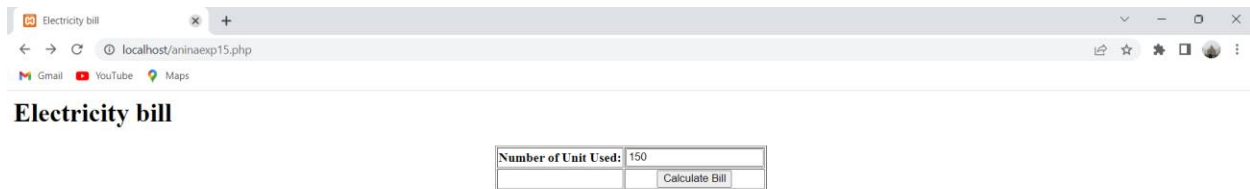
Do Client-side & Server-side scripting.

### **Procedure**

```
<html>
<head>
<title>Electricity bill</title>
<style> b{ color: green; }
</style>
</head>
<body>
<h1>Electricity bill</h1>
<form method="post" action="#">
<center>
<table border="1px">
<tr>
<th>Number of Unit Used:</th>
<td><input type="text" name="units"></td>
</tr>
<tr>
<th></th>
<td align="center"><input type="submit" name="submit" value="Calculate Bill"></td> </tr>
</table>
</center>
</form>
<?php
$r;
if(isset($_POST["submit"]))
{
$u=$_POST["units"]; $s=rate($u);
echo "Total Charge for ",$u," Units of Electricity = <b>".$s." Rupees. </b>";
} function rate($u)
{ if($u<=50)
{
$r=$u*3.50; return $r; }
else if($u>50 && $u<=150)
{
$t=50*3.50;
$u=$u-50; $r=$t+$u*4; return $r;
```

```
}  
else if($u>150 && $u<=250)  
{  
$t=50*3.50+100*4;  
$u=$u-150;  
$r=$t+$u*5.20; return $r; }  
else if($u>=250)  
{  
$t=50*3.50+100*4+100*5.20;  
$u=$u-250; $r=$t+$u*6; return $r;  
}  
}  
?>  
</body>  
</html>
```

## Output Screenshot



Electricity bill

Number of Unit Used:	150
<input type="button" value="Calculate Bill"/>	

Electricity bill

Number of Unit Used:

Total Charge for 150 Units of Electricity = 575 Rupees.

## Result

The program was executed and the result obtained successfully. 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**

```
<?php
```

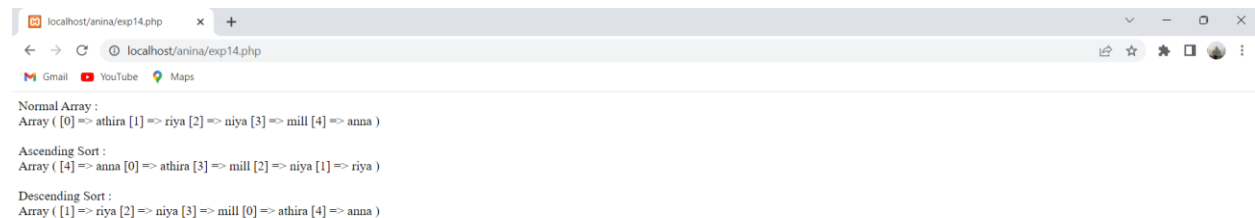
```
$students = array("athira", "riya", "niya", "mill", "anna"); echo "Normal Array : <br>";  
print_r($students);
```

```
echo "<br><br> Ascending Sort : <br>"; asort($students); print_r($students);
```

```
echo "<br><br> Descending Sort : <br>"; arsort($students); print_r($students);
```

```
?>
```

### **Output Screenshot**



### **Result**

The program was executed and the result obtained successfully. 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.

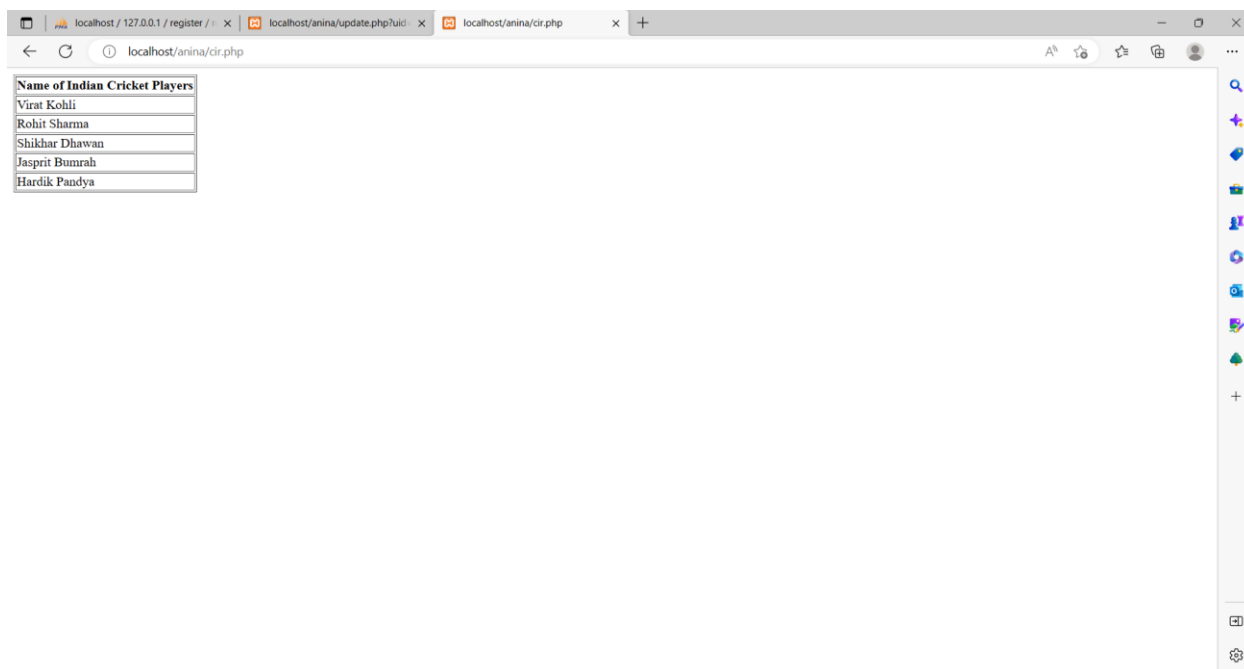
### **CO4**

Do Client-side & Server-side scripting.

### **Procedure**

```
<?php
$players = array('Virat Kohli', 'Rohit Sharma', 'Shikhar Dhawan', 'Jasprit Bumrah', 'Hardik
Pandya');
?>
<table border="1">
<tr>
<th>Name of Indian Cricket Players</th>
</tr>
<?php foreach($players as $player): ?>
<tr>
<td><?php echo $player; ?></td>
</tr>
<?php endforeach;
?>
</table>
```

## Output Screenshot



## Result

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



## **Experiment No.: 17**

### **Aim**

Develop Web applications using HTML and PHP and deploy.

### **CO5**

Develop Web Applications.

### **Procedure**

#### **Connection.php**

```
<?php $connection=mysqli_connect("localhost","root","","register"); ?>
```

#### **Register.php**

```
<?php
include "connection.php";
if(isset($_POST['submit']))
{
    $name=$_POST["name"];
    $email=$_POST["email"];
    $mobile=$_POST["mobile"];
    $gender=$_POST["gender"];
    $address=$_POST["address"];
    $sql="INSERT INTO `regi`(`name`,`email`,`mobile`,`gender`,`address`) VALUES
    ('$name','$email','$mobile','$gender','$address')";
    $result=mysqli_query($connection, $sql);
}
?>
<form action="#" method="POST">
<center>
<br><br>
<h1><center><u> Registration
From</u></center></h1>
<br><br>
<table border="1px">
<tr>
<td>Name</td>
<td><input type="text" name="name"></td>
</tr>
<tr>
```

```

<td>Email</td>
<td><input type="text" name="email"></td>
</tr>
<tr>
<td>Mobile</td>
<td><input type="text" name="mobile"></td>
</tr>
<tr>
<td>Gender</td>
<td>
<input type="radio" name="gender" value="Male">
Male
<input type="radio" name="gender" value="Female"> Female
</td>
</tr>
<tr>
<td>Address</td>
<td><textarea name="address" rows="5" cols="20"></textarea></td></tr>
<tr>
<td align="right" colspan="2"><input type="submit" name="submit"
value="submit"></td></tr>
</table>
</center>
</form>

```

### Delete.php

```

<?php include "connection.php";
$delete=$_GET["did"];
$result=mysqli_query($connection, "DELETE FROM `regi` WHERE `regID`='$delete'");
header("location:view.php");
?>

```

### Update.php

```

<?php
include "connection.php";
$update=$_GET["uid"];
$sql="SELECT * FROM `regi` WHERE regID=$update";
$result=mysqli_query($connection, $sql);
if(isset($_POST['submit']))
{
$name=$_POST['name'];
$email=$_POST['email'];
$mobile=$_POST['mobile'];
$sql="UPDATE `regi` SET `name`='$name', `email`='$email', `mobile`='$mobile'";

```

```

$result=mysqli_query($connection, $sql);
}
?>
<form action="#" method="POST">
<?php
while($row=mysqli_fetch_array($result))
{
?>
<table>
<tr>
<td>Name</td>
<td><input type="text" name="name" value="<?php echo $row['name'];?>"></td></tr> <tr>
<td>Email</td>
<td><input type="text" name="email" value="<?php echo $row['email'];?>"></td> </tr>
<tr> <td>Mobile</td>
<td><input type="text" name="mobile" value="<?php echo $row['mobile'];?>"></td></tr>
<tr>
<td align="right" colspan="2"><input type="submit" name="submit"
value="update"></td></tr>
<?php
}
?>
</table>

```

### View.php

```

<?php
include "connection.php"; ?>
<center>
<br><br>
<h1><center><u> Registered Users </u></center></h1>
<br><br>
<table border="1">
<tr>
<th>USER ID</th>
<th>NAME</th> <th>EMAIL</th>
<th>MOBILE</th>
<th>GENDER</th>
<th>ADDRESS</th>
<th>UPDATE</th>
<th>DELETE</th>
</tr>
<?php
$res=mysqli_query($connection,

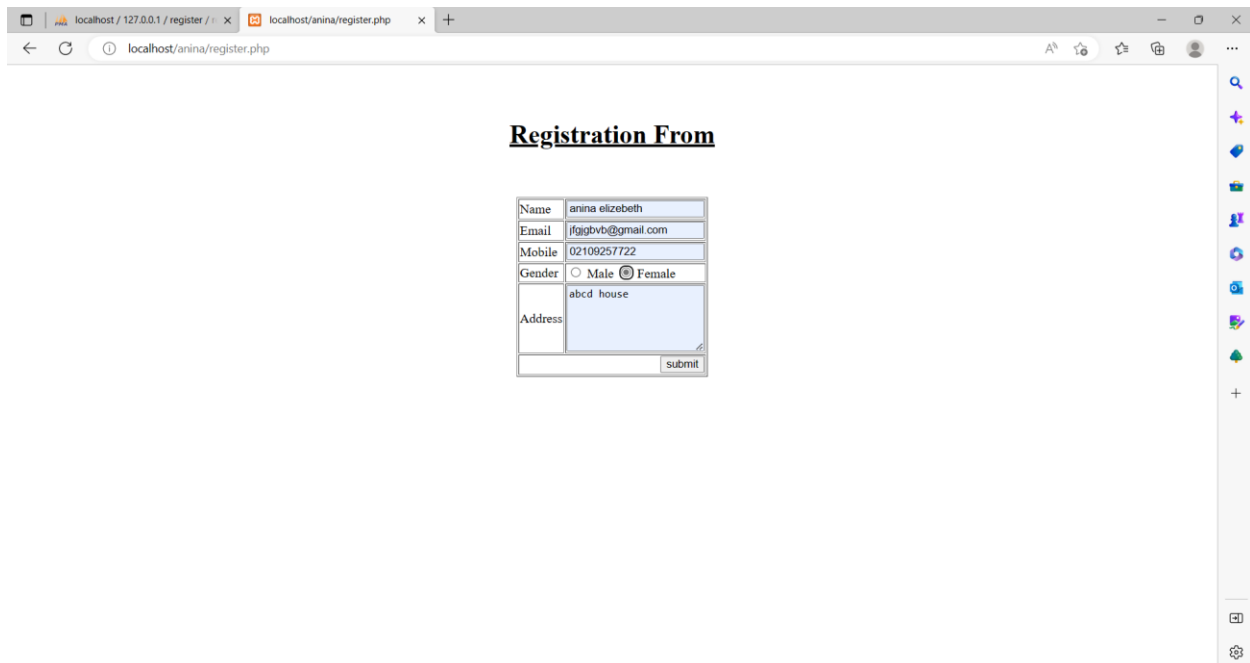
```

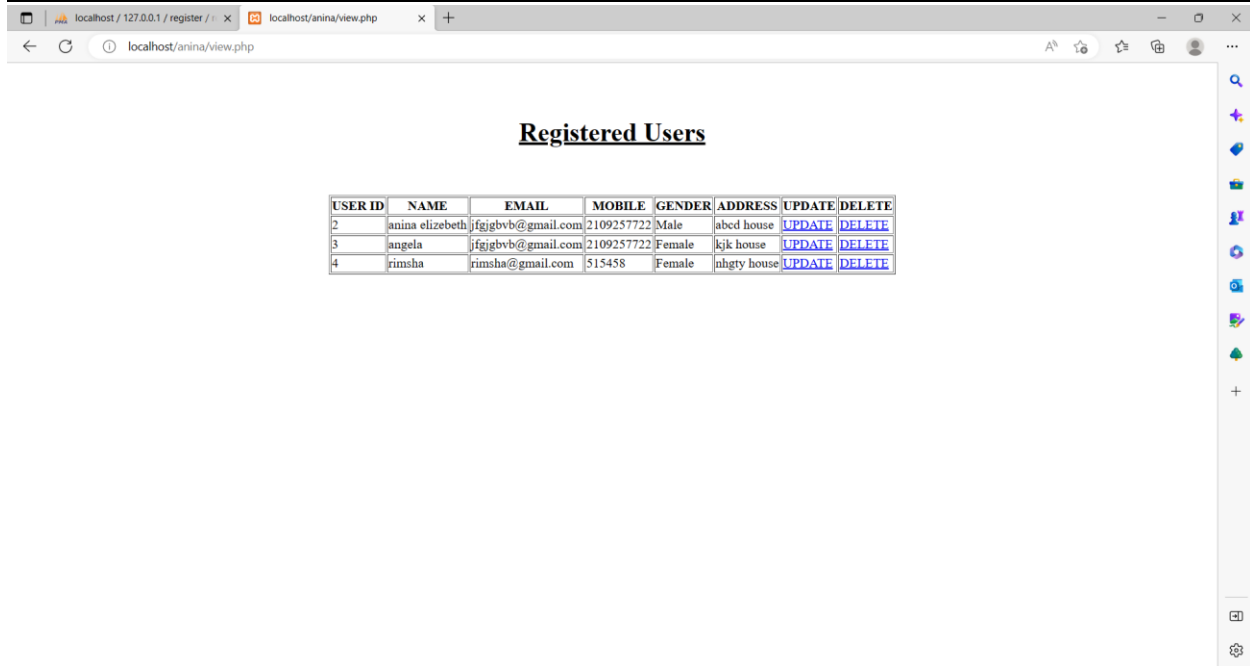
```

"SELECT * FROM `regi`"); while
($row = mysqli_fetch_array($res))
{ ?><tr>
<td><?php echo $row["regID"]; ?></td>
<td><?php echo $row["name"]; ?></td>
<td><?php echo $row["email"]; ?></td>
<td><?php echo $row["mobile"]; ?></td>
<td><?php echo $row["gender"]; ?></td>
<td><?php echo $row["address"]; ?></td>
<td><a href="update.php?uid=<?php echo $row["regID"]; ?>">UPDATE</a></td>
<td><a href="delete.php?did=<?php echo $row["regID"]; ?>">DELETE</a></td>
</tr>
<?php
} ?>
</table>
</center>

```

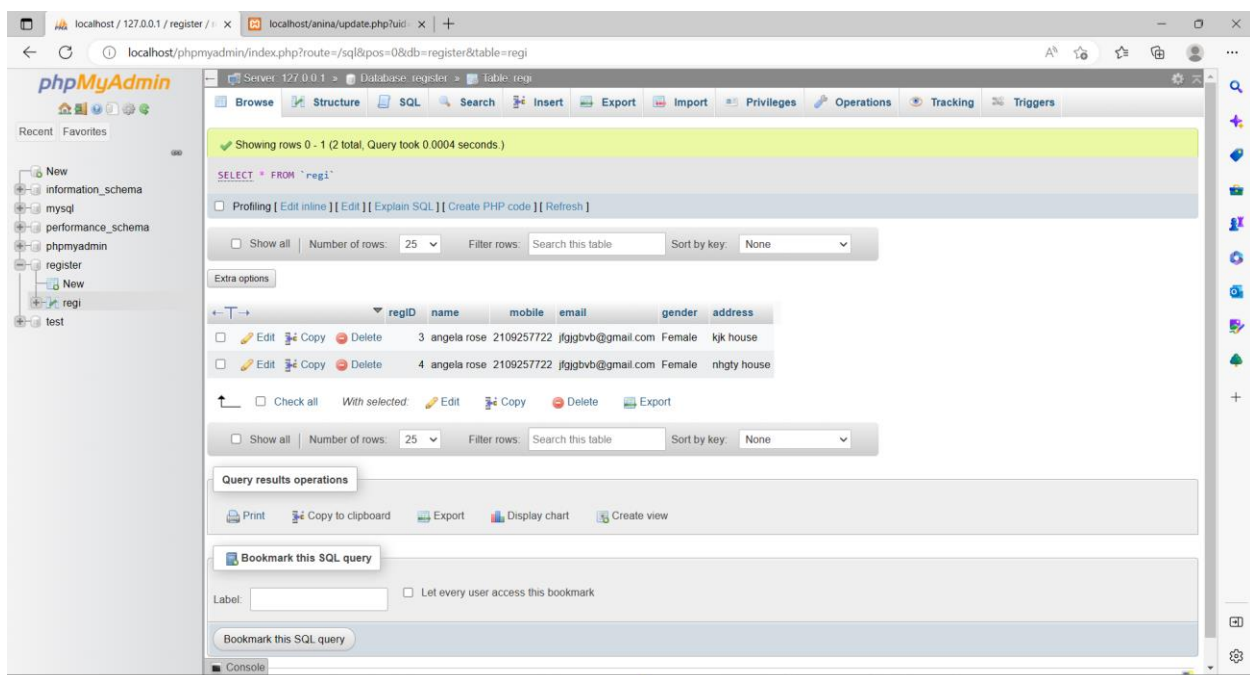
## Output Screenshot





**Registered Users**

USER ID	NAME	EMAIL	MOBILE	GENDER	ADDRESS	UPDATE	DELETE
2	anina elizabeth	jfgjgbvb@gmail.com	2109257722	Male	abcd house	<a href="#">UPDATE</a>	<a href="#">DELETE</a>
3	angela	jfgjgbvb@gmail.com	2109257722	Female	kjk house	<a href="#">UPDATE</a>	<a href="#">DELETE</a>
4	rimsha	rimsha@gmail.com	515458	Female	nhgty house	<a href="#">UPDATE</a>	<a href="#">DELETE</a>



Server: 127.0.0.1 > Database: register > Table: reg

Showing rows 0 - 1 (2 total, Query took 0.0004 seconds)

SELECT \* FROM `regi`

Extra options

	regID	name	mobile	email	gender	address
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	angela rose	2109257722	jfgjgbvb@gmail.com	Female	kjk house
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	angela rose	2109257722	jfgjgbvb@gmail.com	Female	nhgty house

Query results operations

Bookmark this SQL query

Label:  ☐ Let every user access this bookmark

Bookmark this SQL query

## Result

The program was executed and the result obtained successfully. 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**

#### **Bookconnect.php**

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

#### **Insert.php**

```
<?php
include "bookconnect.php"; if(isset($_POST['submit']))
{
$no=$_POST['no'];
$title=$_POST['title'];
$author=$_POST['author'];
$edition=$_POST['edition'];
$publisher=$_POST['publisher'];
$sql = "INSERT INTO `book` ( `no`,`title`,`author`,`edition`,`publisher`) VALUES (
'$no','$title','$author','$edition','$publisher')";
$result=$conn->query($sql); if($result==TRUE)
{ echo "<br>";
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>
Accession no<br>
<input type="text" name="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>
</form>
</body>
</html>

```

### **Search.php**

```

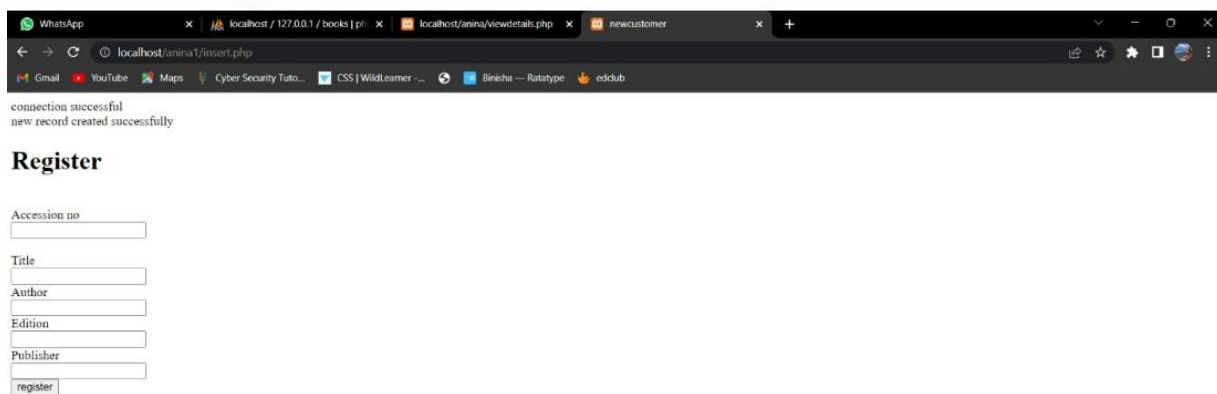
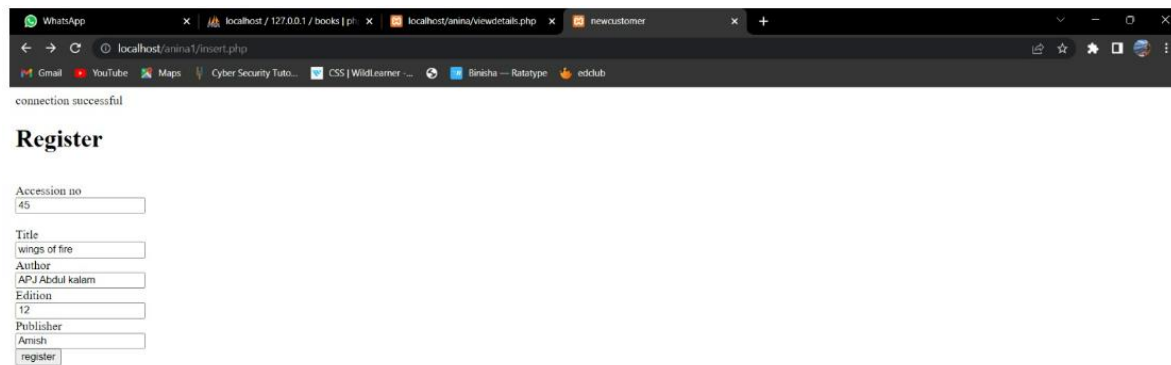
<?php
require "bookconnect.php"; if(isset($_POST['sub']))
{ $bookhead=$_POST['btitle'];
$store = "SELECT * FROM `book` WHERE `title` = '$bookhead'";
$result=$conn->query($store); if($is_query_run=mysqli_query($conn,$store))
{
while($query_execute=mysqli_fetch_assoc($is_query_run))
{ ?><table
border="1"><tr><th>sino</th><th>title</th><th>author</th><th>edition</th><th>
publisher</th></tr>
<tr><td><?php echo $query_execute["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>

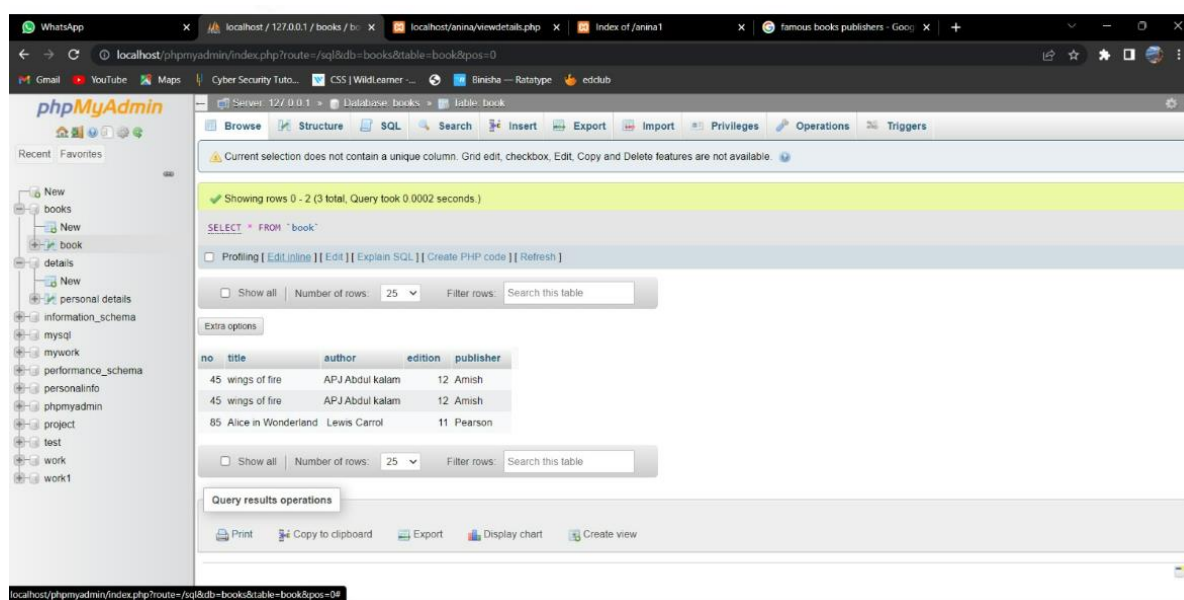
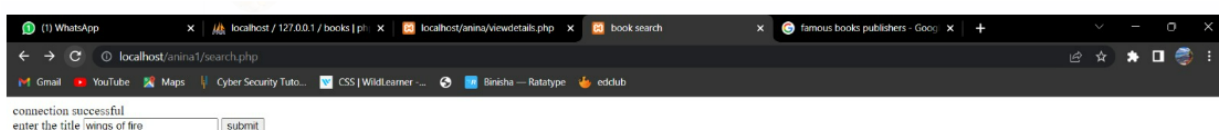
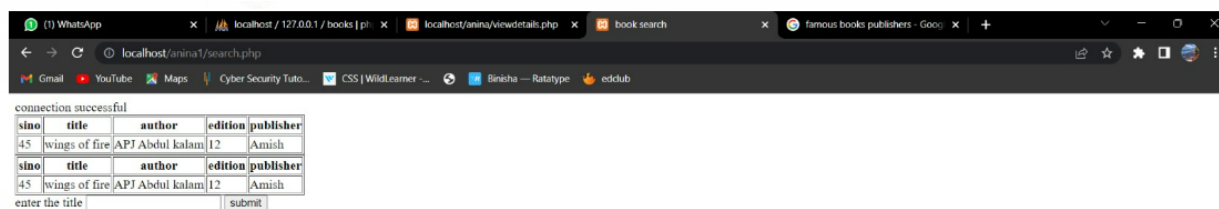
```

```
<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 Screenshot







## Result

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