GRAPHIC ERA DEEMED TO BE UNIVERSITY

SESSION 2022-23

WEBDEVELOPMENTLAB(PCS

-693)

Submitted To: Submitted By:

Mr. Pranav Moore   Rajvardhan
Department of CSE   se
and Information Technology   51
                                           2015095
                                           VIthSem
                                           B.Tech(c.s.e)

1. Design a form for Employee registration which includes all elements of form tags.

```html
<!DOCTYPE html>
<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>Employee Registration Form</title>
</head>
<style> body
  {

    margin: 0px;
    padding: 10px;
    text-align: start;
}
  input {
    margin: 10px;
  }
.abhi {
    text-align: center;
  }
.content
  {margin-left: 33%;
  }
</style>
<body>
<h1 class="abhi">Employee Registration Form</h1>
<div class="content">
<label for="name">Full Name:</label>
<input type="text">
<br>
<label for="name">Father's Name:</label>
<input type="text">
<br>
<label for="name">Mother's Name:</label>
<input type="text">
<br>
<label for="dob">DOB:</label>
<input type="date" name="dob" id="dob">
<br>
<label for="name">Email:</label>
<input type="text">
<br>
<label for="name">Contact Number:</label>
<input type="text">
<br>
<label for="name">Address:</label>
<input type="text">
<br>
<label for="gender">Gender:</label>
```

```html
<input type="radio" name="gender"> Male
<input type="radio" name="gender"> Female
<input type="radio" name="gender"> Other
<br><br>
<label for="Department">Department:</label>
<select name="dep" id="dep">
<option  value="accounts">Accounts</option>
<option  value="admin">Administration</option>
<option value="it">IT</option>
<option   value="management">Management</option>
</select>
<br><br>
<label for="image">Photo:</label>
<input type="file">
<br>
<input type="submit" value="Register">
<br><br><br><br>
</div>
</body>
</html>
```

Output:-

Employee Registration Form

Full Name:

Father's Name:

Mother's Name:

DOB: dd - mm - yyyy

Email:

Contact Number:

Address:

Gender: ○ Male ○ Female ○ Other

Departmnent: Accounts

Photo: Choose File No file chosen

Register

2. Write a HTML code to generate a class timetable and add external CSS to customize the properties of the font, background etc. (color, bold and font size)

```html
<!DOCTYPEhtml>
<htmllang="en">
<head>
<metacharset="UTF-8">
<metahttp-equiv="X-UA-Compatible"content="IE=edge">
<metaname="viewport"   content="width=device-width,initial-scale=1.0">
<title>TimeTable</title>
<linkrel="stylesheet"type="text/css"href="../CSS/abhi.css">
<scriptsrc="../Javascript/first.js"></script>
</head>
<body>
<h1 class="heading" style="text-align: center;">GRAPHIC ERA DEEMED TO
BEUNIVERSITY</h1>
<h2 class="sub-heading" style="text-align: center;">ONLINE TIME TABLE OF
B.TECH.VIth  SEMESTER  "COMPUTER  SCIENCE  &ENGG.-H"</h2>
<h2 class="sub-heading-2" style="text-align: center;">ACADEMIC YEAR2021-
22</h2><pstyle="text- align:center;"><b>W.E.F:25thFebruary2022</b></p>
<div style="display: flex; justify-content: center; align-items:
center;"><tablestyle="border:2px solid black;">
<thead>
<tr>
<th></th>
<th>9:00-9:55</th>
<th>9:55-10:50</th>
<th>11:10-12:05</th>
<th>12:05-1:00</th>
<th>1:00-1:55</th>
<th>1:55-2:50</th>
<th>3:10-4:05</th>
<th>4:05-5:00</th>
</tr>
</thead>
<tbody>
<tr>
<th>MON</th>
<td>TCS-602</td>
<td>TCS693</td>
<td>TCS-601</td>
<td>TCS-691/TCS-651/TCS-619</td>
<td>Lunch</td>
<td>XCS-601(PDP)</td>
<tdcolspan="2">CareerExcellenceClasses(CEC)</td>
</tr>
<tr>
<th>TUE</th>
<td>TCS-602</td>
```

```html
<td>TCS693</td>
<td>TCS-601</td>
<td>TCS-691/TCS-651/TCS-619</td>
<td>Lunch</td>
<td>XCS-601(QAR)</td>
<td>TCS-604</td>
<td>TCS-604</td>
</tr>
<tr>
<th>WED</th>
<td>TCS-602</td>
<td>TCS693</td>
<td>TCS-601</td>
<td>TCS-691/TCS-651/TCS-619</td>
<td>Lunch</td>
<td>LIB</td>
<td>TCS-604</td>
<td>TCS-604(DiscussionClass)</td>
</tr>
<tr>
<th>THU</th>
<td>TCS-602</td>
<td>TCS693</td>
<td>TCS-601</td>
<td>TCS-691/TCS-651/TCS-619<br>(DiscussionClass)</td><td>Lunch</td>
<tdcolspan="3">SWAYAM/Training/Extra-CurricularActivities/LIB</td>
</tr>
<tr>
<th>FRI</th>
<tdcolspan="2">SoftwareEngineeringLab</td>
<tdcolspan="2">CompilerDesignLab</td>
<td>Lunch</td>
<td>LIB</td>
<tdcolspan="2">WebDevelopmentLab</td>
</tr>
</tbody>
</table>
</div>
<br><br><br><br>
</div>
</body>
</html>
```

**Output:-**

TIME TABLE

Day/Period	I 9:30-10:20	II 10:20-11:10	III 11:10-12:00	12:00-12:40	IV 12:40-1:30	V 1:30-2:20	VI 2:20-3:10	VII 3:10-4:00
Monday	Eng	Mat	Che	L U N C H	LAB			Phy
Tuesday	LAB				Eng	Che	Mat	SPORTS
Wednesday	Mat	phy	Eng		Che	LIBRARY		
Thursday	Phy	Eng	Che		LAB			Mat
Friday	LAB				Mat	Che	Eng	Phy
Saturday	Eng	Che	Mat		SEMINAR			SPORTS

3. Use frames such that page is divided into 3 frames 20% on left to show contents of pages, 60% in center to show body of page, remaining on right to show remarks.

```
(Frame.html)
<!DOCTYPE html>
<html>
<head>
<title>Frames</title>
</head>
<frameset cols="20%,80%" noresize="noresize" border="10">
<frame src="../HTML/frames/menu.html" name="menu_page">
<frame src="../HTML/frames/main.html" name="main_page">
</frameset>
</html>(main.html)
<!DOCTYPE html>
<html>
<body>
<h1>
<marquee Scrollamount=20>Select any planet </marquee>
</h1>
</body>
</html>(menu.html)
<!DOCTYPE html>
<html>
<head>
<style>body {
background-color: #fee7c1;
}
h1 {
color: #81130f; text-
align: center;
font-family: sans-serif;font-size: 35px;
}
a:link { color: blue;
background-color: transparent;
}
a:visited { color: purple;
background-color: transparent;
}
a:hover { color: red; background-
color: transparent;
}
</style>
</head>
<body>
<h1> Selected Planets</h1>
<p style="font-size: 20px"> Read essential details about following planets.
<p>
<ul style="font-size: 20px">
<li><u> <a href="https://en.wikipedia.org/wiki/Venus"
```

```
target="main_page">Venus</a></u></li>
<br>
<li><u> <a href="https://en.wikipedia.org/wiki/Earth"
target="main_page">Earth</a></u></li>
<br>

<li><u><a href="https://en.wikipedia.org/wiki/Jupiter"target="main_page">Jupiter</
a></u></li>
</ul>
</body>
</html>
```

Output:-

4. Write an HTML page that contains a selection box with a list of 5 countries, when the user selects a country, its capital should be printed next to the list; Add CSS to customize the properties of the font of the capital (color, bold and font size).

```html
<html>
<head>
<title>capitals of countries</title>
<style>
     p { color:
red;
      font-weight: bold;
      font-size: 50;
     }
</style>
<script language="javascript">
    function capital() {
       var cunt = document.forms["frm1"].country.value;var
       capital = " Please select any country ";
       if (cunt == "india") { capital =
          "NEW DELHI";
       }
       if (cunt == "china") { capital =
          "BEIJING";
       }
       if (cunt == "pakistan") {
          capital = "ISLAMABAD";
       }
       if (cunt == "bangladesh") {
          capital = "DHAKA";
       }
       if (cunt == "japan") {capital =
          "TOKYO";
       }
       if (cunt == "select") {
          capital = "Please select any country";
       }
    document.getElementById("capt").innerHTML = capital;
     }
 </script>
 </head>
<body>
<form name="frm1">
<br />
<center>
      Select a Country :<select name="country"
onchange="capital()">
<option value="select">--SELECT--</option>
<option value="india">INDIA</option>
<option value="china">CHINA</option>
<option value="pakistan">PAKISTAN</option>
```

```
<option value="bangladesh">BANGLADESH</option>
<option value="japan">JAPAN</option>
</select>
<br />
<br />
<font color="green" size="6">Capital is :</font>
<p id="capt"></p>
</center>
</form>
</body>
</html>
```

Output:-

Select a Country : JAPAN ⌄	Select a Country : PAKISTAN ⌄	Select a Country : INDIA ⌄
Capital is :	Capital is :	Capital is :
TOKYO	**ISLAMABAD**	**NEW DELHI**

5. Develop and demonstrate the usage of inline, internaland external style sheet using CSS.

Index.html

```
<!DOCTYPE html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>CSS internal,external and inline</title>
<link rel="stylesheet" href="style.css" />
<style>
    body {
      background-color: linen;
     }
 .first {
      background-color: blue;
      height: 100px;
      width: 100px;
     }
</style>
</head>
<body>
<div class="first">BOX</div>
<div class="second">BOX</div>
<div style="background-color: red; height: 100px; width:
100px">BOX</div>
</body>
</html>
```
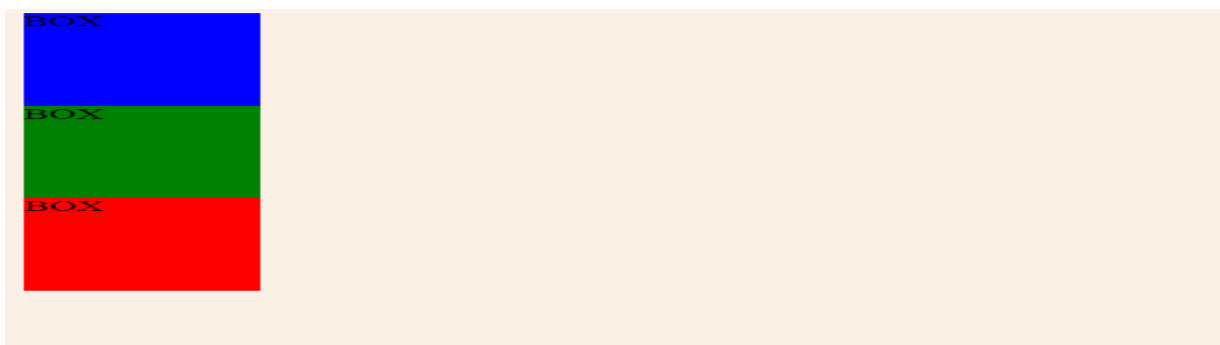
Style.css
```
.second{
   background-color: green;
   height:100px; width:100px;
}
```

Output:-

6. Create a student registration system page using HTML tags and apply box model using external CSS.

Index.html

```
<!DOCTYPE html>
<head>
<meta name="viewport" content="width=device-width, initial-
scale=1.0">
<title>Student Registration Form</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<form class="signup-form" action="/register" method="post">
<div class="form-header">
<h1>Registration</h1>
</div>
<div class="form-body">
<div class="horizontal-group">
<div class="form-group left">
<label for="firstname" class="label-title">First name *</label>
<input type="text" id="firstname" class="form-input" placeholder="enter
your first name" required="required" />
</div>
<div class="form-group right">
<label for="lastname" class="label-title">Last name</label>
<input type="text" id="lastname" class="form-input"
placeholder="enter your last name" />
</div>
</div>
<div class="form-group">
<label for="email" class="label-title">Email*</label>
<input type="email" id="email" class="form-input"
placeholder="enter your email" required="required">
</div>
<div class="horizontal-group">
<div class="form-group left">
<label for="password" class="label-title">Password *</label>
<input type="password" id="password" class="form-input"placeholder="enter
your password" required="required">
</div>
<div class="form-group right">
<label for="confirm-password" class="label-title">ConfirmPassword
*</label>
<input type="password" class="form-input" id="confirm-password"
placeholder="enter your password again" required="required">
</div>
```

```
<div class="horizontal-group">
<div class="form-group left">
<label class="label-title">Gender:</label>
<div class="input-group">
<label for="male">
<input type="radio" name="gender" value="male" id="male">Male</label>
<label for="female">
<input type="radio" name="gender" value="female" id="female">
Female</label>
</div>
</div>
<div class="form-group right">
<label class="label-title">Hobbies</label>
<div>
<label>
<input type="checkbox" value="Web">Music</label>
<label>
<input type="checkbox" value="iOS">Sports</label>
<label>
<input type="checkbox" value="Andriod">Travel</label>
<label>
<input type="checkbox" value="Game">Movies</label>
</div>
</div>
</div>
<div class="horizontal-group">
<div class="form-group left" >
<label class="label-title">Source of Income</label>
<select class="form-input" id="level" >
<option value="B">Employed</option>
<option value="I">Self-employed</option>
<option value="A">Unemployed</option>
</select>
</div>
<div class="form-group right">
<label for="experience" class="label-title">Income</label>
<input type="range" min="20" max="100" step="5" value="0"id="experience"
class="form-input" onChange="change();"
style="height:28px;width:78%;padding:0;">
<span id="range-label">20K</span>
</div>
</div>
<div class="horizontal-group">
<div class="form-group left" >
<label for="choose-file" class="label-title">Upload Profile
Picture</label>
<input type="file" id="choose-file" size="80">
</div>
```

```html
<div class="form-group right">
<label for="experience" class="label-title">Age</label>
<input type="number" min="18" max="80" value="18" class="form-
input">
</div>
</div>
<div class="form-group">
<label for="choose-file" class="label-title">Bio</label>
<textarea class="form-input" rows="4" cols="50"
style="height:auto"></textarea>
</div>
</div>
<div class="form-footer">
<!-- form footer -->
<div class="form-footer">
<span>* required</span>
<button type="submit" class="btn">Create</button>
</div>
</div>
</form>
<script>
    var rangeLabel = document.getElementById("range-label");var
    experience = document.getElementById("experience"); function
    change() {
rangeLabel.innerText = experience.value + "K";
    }
 </script>
 </body>
 </html>
```

Style.css

```css
@importurl('httpss://fonts.googleapis.com/css?family=Roboto'); body {
background:linear-gradient(to right, #78a7ba 0%, #385D6C 50%,
#78a7ba 99%);
}
.signup-form {
  font-family: "Roboto", sans-serif;
  width:650px;
  margin:30px auto;
background:linear-gradient(to right, #ffffff 0%, #fafafa 50%,
#ffffff 99%);
  border-radius: 10px;
}
.form-header {
  background-color: #EFF0F1;
  border-top-left-radius: 10px;
  border-top-right-radius: 10px;
}
.form-header h1 {
font-size: 30px;
text-align:center;
color:#666;
padding:20px 0;
  border-bottom:1px solid #cccccc;
}
.form-body { padding:10px
   40px;
color:#666;
  }

.form-group{
   margin-bottom:20px;
  }
.form-body .label-title {
color:#1BBA93;
   font-size: 17px; font-
   weight: bold;
  }
.form-body .form-input {
    font-size: 17px;
    box-sizing: border-box;
    width: 100%;
    height: 34px; padding-
    left: 10px; padding-
    right: 10px;
color: #333333; text-
    align: left;
    border: 1px solid #d6d6d6;
    border-radius: 4px;
```

```css
        background: white;outline:
        none;
    }
    .horizontal-group .left{float:left;
        width:49%;
    }
    .horizontal-group .right{
    float:right;
        width:49%;
    }
    input[type="file"] {
     outline: none;
    cursor:pointer;
        font-size: 17px;
    }
    #range-label {
     width:15%;
     padding:5px;
     background-color: #1BBA93;
    color:white;
        border-radius: 5px;
        font-size: 17px;
        position: relative;
    top:-8px;
    }
    ::-webkit-input-placeholder {
    color:#d9d9d9;
    }
    .form-footer {
    clear:both;
    }
    .signup-form .form-footer { background-
        color: #EFF0F1; border-bottom-left-
        radius: 10px; border-bottom-right-
        radius: 10px;padding:10px 40px;
        text-align: right;
        border-top: 1px solid #cccccc;
    }
    .form-footer span {
    float:left;
        margin-top: 10px;
    color:#999;
        font-style: italic;
        font-weight: thin;
    }
    .btn {
    display:inline-block; padding:10px
        20px; background-color:
        #1BBA93;
```

```
    font-size:17px;
border:none;
   border-radius:5px;
color:#bcf5e7;
cursor:pointer;
 }
.btn:hover {
   background-color: #169c7b;
color:white;
 }
```

Output:-

7 A. Write a JavaScript program to test the first character of a string is uppercase or not.

```javascript
  function upper_case(str)
{
regexp = /^[A-Z]/;
  if (regexp.test(str))
  {
console.log("String's first character is uppercase");
  }
  else
  {
console.log("String's first character is not uppercase");
  }
}
upper_case('Abcd');
upper_case('abcd');
```
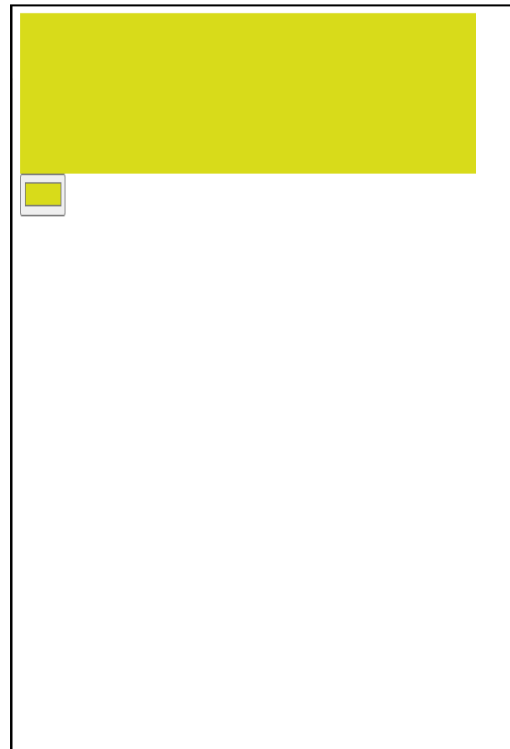
B.Write a JavaScript code to take color from user and applythat color to Div tag.

```html
<html>
<head>
<style>
    #Myelement {
      width: 500px;
      height: 100px;
    }
</style>
</head>
<body>
<div id="Myelement"
    onclick="changeColor()">
</div>
<input name="MyColorPicker"
      type="color"
      id="MyColorPicker" />
</body>
</html>
```

```
<script>
    function changeColor() {document.getElementById(
        "Myelement").style.backgroundColor =document.getElementById(
        "MyColorPicker").value;
    }
</script>
```

Output:-
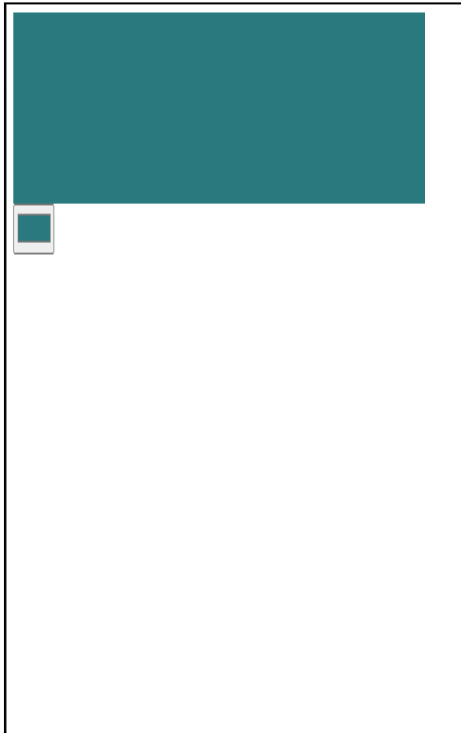
8. Write JavaScript to validate the following fields of the Registration page. 1. First Name (Name should be min 4 characters and max 8 characters) 2. Password & Confirm Password (Password should not be less than 8 characters length). 3. Email id (should not contain any invalid mail) 4. Mobile Number (Phone number should be 8 digits only) 5. Last Name and Address (should not be Empty).

Index.html

```html
<html>
<head>
<style>
.content
  {
   padding: 50px;
   margin-left: 25%;
  }
  input
  {
   padding: 10px;
  }
</style>
</head>
<body>
<h1 class="abhi">Login</h1>
<div class="content">
<label for="name">Full Name:</label>
<input type="text" onblur="nameCheck()" value="" id="fname"><br>
<label for="name">Password:</label>
<input type="password" onblur="passCheck()" value="" id="pass"><br>
<label for="name"> Confirm Password:</label>
<input type="password" onblur="conPassCheck()" value=""id="cpass"><br>
<label for="name">E-mail</label>
<input type="email" onblur="eCheck()" value="" id="mail"><br>
<label for="mob">Mobile:</label>
<input type="text" onblur="mCheck()" value="" id="phone"><br>
<label for="lname">Last Name:</label>
<input type="text" onblur="lnCheck()" value="" id="lname"><br>
<label for="Address">Address:</label>
<input type="text" onblur="addCheck()" value="" id="add">
</div>
</body>
<script src="app.js"></script>
</html>
```

App.js

```javascript
function nameCheck() {
  var x = document.getElementById("fname");
  if (!(x.value.length>= 4 &&x.value.length<= 8)) {
alert("Name should be at least 4 char and max 8 char long");x.value="";
  }
}
function passCheck() {
  var paswd = /^(?=.*[0-9])(?=.*[!@#$%^&*])[a-zA-Z0-9!@#$%^&*]{8,}$/;
  var x = document.getElementById("pass");if
  (!(x.value.match(paswd))) {
alert("Enter Valid password");
  }
}
function conPassCheck() {
  var x = document.getElementById("pass"); var y
  = document.getElementById("cpass");if
  (!(x.value==y.value)) {
alert("Confirm password should be same as the password");
  }

}
function eCheck() {
    var email = document.getElementById("pass");
  if(email.value=="")
    {
alert('Please fill this field');
    }

    var filter = /^([a-zA-Z0-9_\.\-])+\@(([a-zA-Z0-9\-])+\.)+([a-zA-Z0-
9]{2,4})+$/;
     if (!filter.test(email.value)) {
alert("Please provide a valid email address");
     }
}
function mCheck() {
  var x = document.getElementById("phone");if
  (!(x.value.length == 8)) {
alert("Phone Number should be 8 char long");
  }
}
function lnCheck() {
  var x = document.getElementById("lname");if
  (x.value == "") {
alert("Please fill this field");
  }
}
```
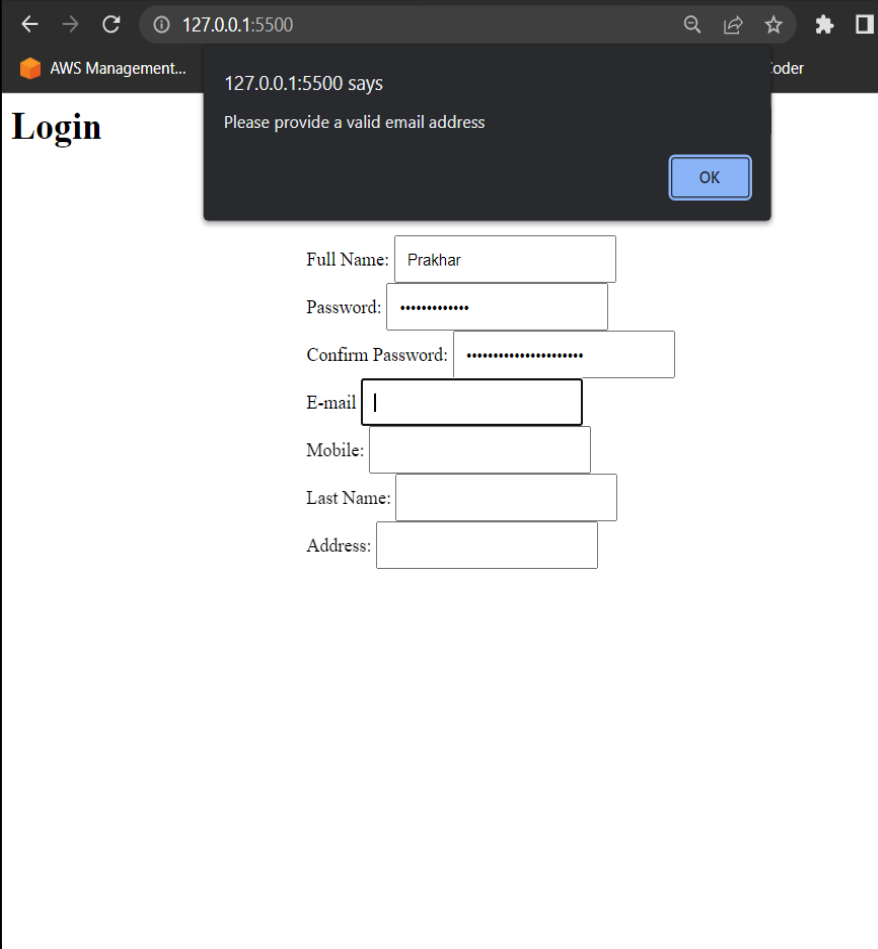
```
function addCheck() {
  var x = document.getElementById("add");if
  (x.value == "") {
alert("Please fill this field");
 }
}
```

Output:-

9. Create a HTML form and write JavaScript to generate the invoice with one click of GENERATE INVOICE button. Take any 5 product with rate and quantity and display total for every product. Calculate Grand Total by including 18% GST.

```html
<!DOCTYPE html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
<style>
table{
    border: 2px solid black;
    border-collapse:  collapse;
}
input{
    margin: 5px;
}
th,td{
    border-bottom: 1px solid black;
}
</style>
</head>
<body>
<table>
<tr>
<th>particulars</th>
<th>rate</th>
<th>quantity</th>
<th>total</th>
</tr><tr>
<td>Product 1</td>
<td><input type="text" id="rate1"></td>
<td><input type="text" id="quantity1"></td>
<td><input type="text" id="total1"></td>
</tr><tr>
<td>Product 2</td>
<td><input type="text" id="rate2"></td>
<td><input type="text" id="quantity2"></td>
<td><input type="text" id="total2"></td>
</tr><tr>
<td>Product 3</td>
<td><input type="text" id="rate3"></td>
<td><input type="text" id="quantity3"></td>
<td><input type="text" id="total3"></td>
</tr><tr>
<td>Product 4</td>
<td><input type="text" id="rate4"></td>
<td><input type="text" id="quantity4"></td>
```

```html
<td><input type="text" id="total4"></td>
</tr><tr>
<td>Product 5</td>
<td><input type="text" id="rate5"></td>
<td><input type="text" id="quantity5"></td>
<td><input type="text" id="total5"></td>
</tr><tr>
<td colspan="4" style="text-align:center"> Tax : <input type="text"id="tax">
Based on a 18% GST</td>
</tr><tr>
<td colspan="4" style="text-align:center">Grandtotal : <inputtype="text"
id="grandtotal"> Vat included</td>
</tr>
</table>
<script>
    let total1 = document.getElementById('total1'); let
    total2 = document.getElementById('total2');let total3 =
    document.getElementById('total3');let total4 =
    document.getElementById('total4');let total5 =
    document.getElementById('total5');let p1total = 0;
    let p2total = 0;let
    p3total  =  0;  let
    p4total  =  0;  let
    p5total = 0;
    total1.addEventListener('click', function fun() {
      let   rate1   =parseInt(document.getElementById('rate1').value);   let
      quantity1 =
parseInt(document.getElementById('quantity1').value); p1total
      = rate1 * quantity1;
      total1.value = p1total;

    });
    total2.addEventListener('click', function fun() {let rate2
      =
parseInt(document.getElementById('rate2').value); let
      quantity2 =
parseInt(document.getElementById('quantity2').value); p2total =
      rate2 * quantity2;
      total2.value = p2total;
    });
    total3.addEventListener('click', function fun() {let rate3
      =
parseInt(document.getElementById('rate3').value); let
      quantity3 =
parseInt(document.getElementById('quantity3').value); p3total =
      rate3 * quantity3;
      total3.value = p3total;
    });
```

```javascript
    total4.addEventListener('click', function fun() {let rate4
        =
parseInt(document.getElementById('rate4').value); let
        quantity4 =
parseInt(document.getElementById('quantity4').value); p4total
        = rate4 * quantity4;
        total4.value = p4total;
    });
    total5.addEventListener('click', function fun() {let rate5
        =
parseInt(document.getElementById('rate5').value); let
        quantity5 =
parseInt(document.getElementById('quantity5').value); p5total =
        rate5 * quantity5;
        total5.value = p5total;
    });
    let tax = 0;
    let taxinpt = document.getElementById('tax');taxinpt.addEventListener('click',
()=>{
        tax = (p1total+p2total+p3total+p4total+p5total)*0.18;
taxinpt.value = tax;
    });
    let gt = document.getElementById('grandtotal');gt.addEventListener('click',
()=>{
gt.value = p1total+p2total+p3total+p4total+p5total+tax;
    })


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

Output:-

particulars	rate	quantity	total
Product 1	120	2	240
Product 2	200	3	600
Product 3	2	10	20
Product 4	5	10	50
Product 5	50	2	100
Tax : 181.79999999999998		Based on a 18% GST	
Grandtotal : 1191.8		Vat included	

10 A .Write a JQuery code to give animation to div on click of button.

```html
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("button").click(function(){
    $("div").animate({left:
    '250px',
    opacity: '0.5',
    height: '150px',
    width: '150px'
   });
 });
});
</script>
</head>
<body>

<button>Start Animation</button>
<div style="background:#98bf21;height:100px;width:100px;position:absolute;"></div>

</body>
</html>
```

Output:-
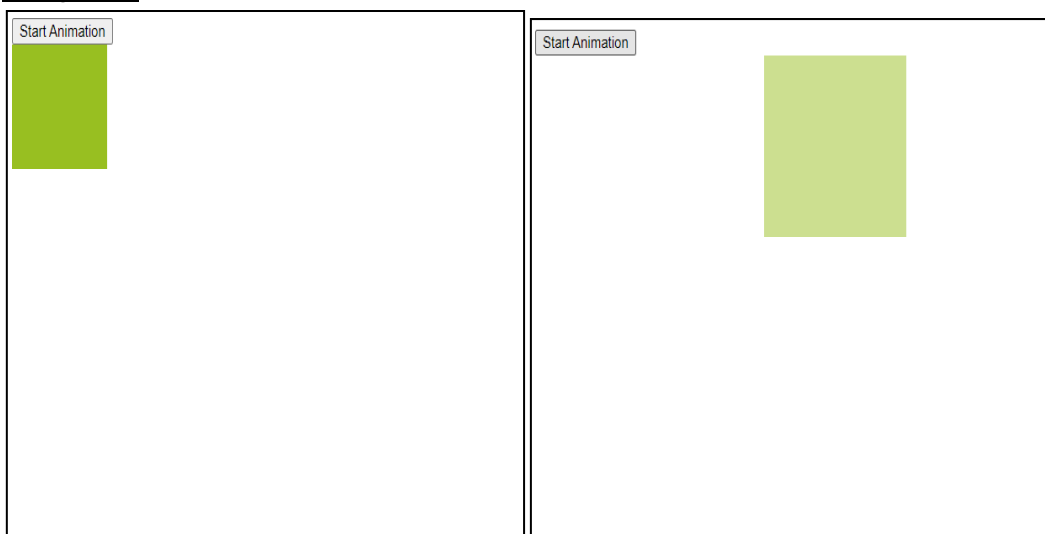
B. Write a JQuery code to add dynamic element on page on click of button.

```html
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<title>jQuery Bind Click Event to Dynamically added
Elements</title>
<script src="https://code.jquery.com/jquery-
3.5.1.min.js"></script>
<script>
    $(document).ready(function () {
        $("button").click(function () {
            $("ol").append("<li>Milk  <a  href='javascript:void(0);'
class='remove'>&times;</a></li>");
        });
        $(document).on("click", "a.remove", function () {
            $(this).parent().remove();
        });
    });
</script>
</head>

<body>
<button>Add Milk</button>
<p>Click the above button to add milk. <p>
<ol>
<li>Milk</li><li>Milk</li><li>Milk</li>
</ol>
</body>

</html>
```

Output:-
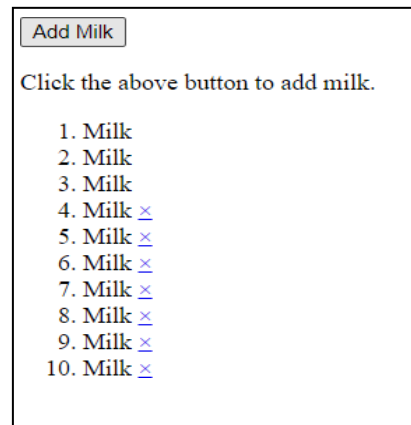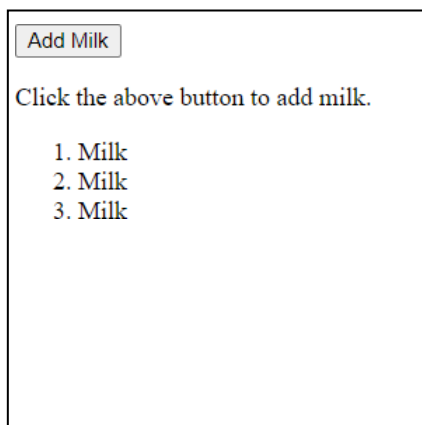
11. Write a jQuery program to demonstrate the use of mouse event, keyboard event and form event.

```html
<!DOCTYPE html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Program 11</title>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script>
    let i = 0;
    $(document).ready(function () {
        //Mouse Event
        $("p").click(function () {
            $(this).hide();
        })
        $("#p1").hover(function () {
alert("You entered p1!");
        },
            function () {
alert("Bye! You now leave p1!");
            })
        //Keyboard event
        $("input").keypress(function () {
            $("span").text(i += 1);
        });
        //Form event
        $("#target").blur(function () {
alert("Handler for .blur() called.");
        });
    });
</script>
</head>
```

```
<body>
<p>Click me first</p>
<p>Click me second</p>
<p id="p1" style="display: inline; border: 2px solid red">This istext</p><br><br>
    Enter your name: <input type="text">
<p>Keypresses:  <span>0</span></p>
<form>
<input id="target" type="text" value="Field 1">
</form>
</body>
</html>
```

Output:-

Click me first

Click me second

This is text

Enter your name: Happy bhaag jayegi

Keypresses: 19

Field 2

12. Write a jQuery program to demonstrate the use of display effect, fade effect and slide effect.

```html
<!DOCTYPE html>
<html>

<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script>
    $(document).ready(function () {
        //Display Effect
        $(".btn1").click(function () {
            $("p").hide();

        });
        $(".btn2").click(function () {
            $("p").show();
        });

        //Fade Effect
        $("button").click(function () {
            $("#div1").fadeToggle();
            $("#div2").fadeToggle("slow");
            $("#div3").fadeToggle(3000);
        })
        //Side Effect
        $("#flip").click(function () {
            $("#panel").slideToggle("slow");
        });
    });
</script>
<style>
    #panel,
    #flip {
        padding: 5px; text-
        align: center;width:
        50%;
        background-color: rgb(83, 219, 83);
        border: solid 1px #c3c3c3;
        margin: auto;
    }
    #panel { padding:
        50px;display:
        none;
    }
</style>
</head>
```

```html
<body>

<p>This is a paragraph.</p>

<button class="btn1">Hide</button>
<button  class="btn2">Show</button>
<br><br>
<button>Click to fade in/out boxes</button><br><br>
<div id="div1" style="width:80px;height:80px;background-color:red;"></div>
<br>
<div id="div2" style="width:80px;height:80px;background-color:green;"></div>
<br>
<div id="div3" style="width:80px;height:80px;background-color:blue;"></div>
<br><br>

<div id="flip">Click to slide the panel down or up</div>
<div id="panel">Hello world!</div>

</body>

</html>
```

Output:-

13.A simple calculator web application that takes two numbers and an operator (+, -, /,*and %) from an HTMLpage and returns the result page with the operation performed on the operands.

```html
<!DOCTYPE html>
<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>Document</title>
</head>
<body>
<form>
<label for="num1">Number1</label>
<input type="number" id="num1" name="num1"><br>
<label for="num2">Number2</label>
<input type="number" id="num2" name="num2"><br>
<br>
<label for="opr">Choose Operation :</label>
<select name="opr" id="opr">
<option value="add">Add</option>
<option value="sub">Subtract</option>
<option value="div">Divide</option>
<option value="mul">Multiply</option>
</select>
<br>
<input type="button" onClick="submit()" id="submit"value="Submit"><br>
<p>Result :</p>
<p id="res"></p>
</form>
<script>
    but = document.getElementById('submit');but.addEventListener("click" ,
function()
    {
      num1 = parseInt(document.getElementById("num1").value); num2 =
      parseInt(document.getElementById("num2").value)
opr = document.getElementById('opr');
      select = opr.options[opr.selectedIndex].value;if(select ==
'add')
      {
cal = num1+num2; document.getElementById('res').innerHTML
= cal;
      }
```

```
    else if(select == 'sub')
        {
cal = num1-num2; document.getElementById('res').innerHTML
= cal;
        }
        else if(select == 'div')
        {
cal = num1/num2; document.getElementById('res').innerHTML
= cal;
        }
        else if(select == 'mul')
        {
cal = num1*num2; document.getElementById('res').innerHTML
= cal;
        }
    });
</script>
</body>
</html>
```

Output:-

Number1 `42`
Number2 `10`

Choose Operation : [Multiply ∨]
[Submit]

Result :

420

14. Write PHP program for student registration. Performinsert, display, update and delete operations from database. (use any database).

_db_connect.php

```php
<?php
$server = "localhost";
$username = 'root';
$password = '';
$database = "student";
$conn = mysqli_connect($server, $username, $password,
$database);
if(!$conn)
die("Error " . mysqli_connect_error());else
echo 'Connection made successfully!!'
?>
```

Output:-

Connection made successfully!!

welcome.php

```php
<!DOCTYPE html>
<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>Welcome</title>
<style>
div{
     display: flex;
     justify-content: center;
     align-items: center;
     margin-top: 210px;
   }
```

```
li{
       font-size:30px;
    }
</style>
</head>
<body>
<div>
<ul>
<li><a class="nav-link" href="insert.php">Insert</a></li>
<li><a  class="nav-link"  href="display.php">Display</a></li>
<li><a class="nav-link" href="update.php">Update</a></li>
<li><a class="nav-link" href="delete.php">Delete</a></li>
</ul>

</div>

</body>
</html>
```

Output:

- Insert
- Display
- Update
- Delete

```php
insert.php
<?php
if($_SERVER['REQUEST_METHOD'] == 'POST') {
    $name = $_POST['name'];
    $email = $_POST['email'];
    $gender = $_POST['gender'];
if($gender == 'male') {
        $gender = 'm';
    }else $gender = 'f';
    require 'partials/_db_connect.php';
    $sql = "INSERT INTO student(`name`, `email`, `gender`)values('$name',
'$email', '$gender')";
    $result = mysqli_query($conn, $sql);if($result)
    {
        echo "<script> alert('Regitration
Successful');
</script>";
}else {
        echo "<script> alert('Not
Registered');
</script>";
    }
}
?>
<!DOCTYPE html>
<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>Insert</title>
<style>
    #container{
        display: flex;
        justify-content: center;
        align-items: center;
        margin-top:210px;
    }
a{
        font-size:25px;
    }
</style>
</head>
<body>
<h2>
<a href="/anant/registration/Welcome.php">Home</a>
</h2>
<div id="container">
<form action="insert.php" method="post">
<label for="name">Name :</label>
```
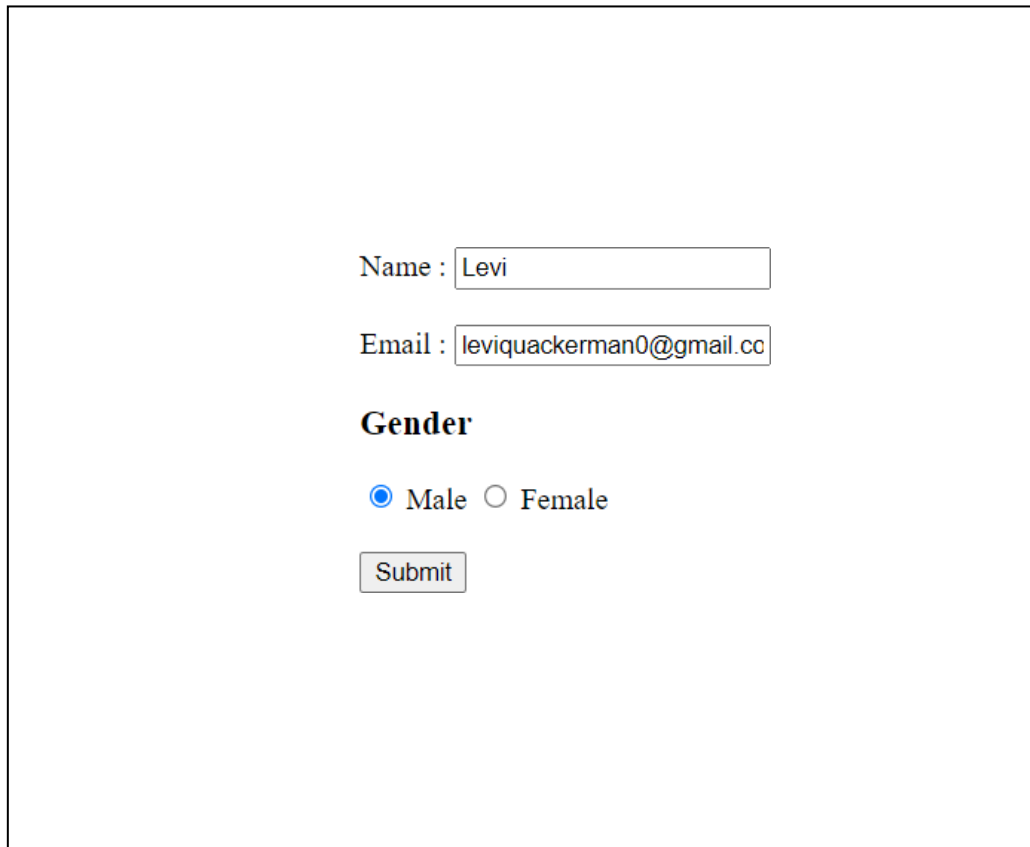
```html
<input type="text" name="name" id="name"><br><br>
<label for="email">Email :</label>
<input type="email" name="email" id="email">
<h3>Gender</h3>
<input type="radio" name="gender" id="male" value="male">
<label for="male">Male</label>
<input type="radio" name="gender" id="female" value="female">
<label for="female">Female</label><br><br>
<button type="submit" id="btn">Submit</button>
</form>
</div>

</body>
</html>
```

Output:

display.php
```php
<?php
echo '<title>Display</title>';
echo '
<h2>
<a style="font-size:25px;" href="/anant/registration/Welcome.php">Home</a>
</h2>';
require  'partials/_db_connect.php';
$sql = 'SELECT * FROM student';
```

```php
$result = mysqli_query($conn, $sql);
if($result) {
    $num = mysqli_num_rows($result);
if($num > 0) {
    echo '<table border="2" cellspacing="3" cellpadding="2">
<tr>
<th>Name</td>
<th>Email</td>
<th>Gender</td>
</tr>';
while($row = mysqli_fetch_assoc($result)) {
        $gen = "Male";
        if($row['gender'] == 'f') $gen = 'Female';echo
        '<tr>
<td>'.$row['name'].'</td>
<td>'.$row['email'].'</td>
<td>'.$gen.'</td>
</tr>';
    }
    echo '</table>';
  }
}
?>
```

Output:

Home

Connection made successfully!!

Name	Email	Gender
EREN	eren@yaeger.com	Male
Sanji	sanji@loves.com	Male
Hinata	ilove@naruto.com	Female
Gon	dad@where.com	Male

update.php

```php
<?php
if($_SERVER['REQUEST_METHOD'] == 'POST') {
    $name = $_POST['name'];
    $email = $_POST['email'];
    require 'partials/_db_connect.php';
    $sql = "update student set `email` = '$email' where `name` ='$name'";
    $result = mysqli_query($conn, $sql);if($result)
    {
        echo "<script>
alert('Updation Successful');
</script>";
}else {
        echo "<script>
alert('User Not Found');
</script>";
    }
}
?>
<!DOCTYPE html>
<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>Update</title>
<style>
a{
        font-size:25px;
     }
</style>
</head>
<body>
<h2>
<a href="/anant/registration/Welcome.php">Home</a>
</h2>
<form action="update.php" method="post">
<label for="name">Name:</label>
<input type="text" placeholder="Enter Name"
name="name"><br><br>
<label for="email">Enter your New Email:</label>
<input type="email" placeholder="Enter new Email" name="email">
<button type="submit">Update</button>
</form>
</body>
</html>
```

Output:

delete.php
```php
<?php
if($_SERVER['REQUEST_METHOD'] == 'POST') {
    $name = $_POST['name'];
    require 'partials/_db_connect.php';
    $sql = "delete from `student` where `name`='$name'";
    $result = mysqli_query($conn, $sql);if($result)
    {
        echo "<script>
alert('Deletion  Successful');
</script>";
}else {
        echo "<script>
alert('User Not Found');
</script>";
    }
}
?>
<!DOCTYPE html>
<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>Delete</title>
<style>
a{
        font-size:25px;
    }
</style>
</head>

<body>
```

```
<h2>
<a href="/anant/registration/Welcome.php">Home</a>
</h2>
<form action="delete.php" method="post">
<label for="name">Name:</label>
<input type="text" placeholder="Enter Name" name="name">
<button type="submit">Delete</button>
</form>
</body>
</html>
```
Output:

Before deletion:-   **Deletion command:-**

Home

Connection made successfully!!

Name	Email	Gender
Hinata	ilove@naruto.com	Female
Gon	dad@where.com	Male

Home

Connection made successfully!!

Name	Email	Gender
Hinata	ilove@naruto.com	Female
Gon	dad@where.com	Male
sanji	robin_chan@islove.com	Male

After deletion:-

Connection made successfully!!

Home

Name: Sanji   Delete

Sanji

sanji

15. Write a PHP program to store current date-time in a COOKIE and display the 'Last visited on' date-time on theweb page upon reopening of the same page.

```php
<?php
// time for 60 days in future
 $cookie_value = time() + 60*60*60*24; setcookie('lastvisit' ,
date("G:i , m/d/y") , $cookie_value , )
?>
<?php
   if(isset($_COOKIE['lastvisit']))
   {
     echo "Your last visit time and date are :  " .
$_COOKIE['lastvisit'] . "<br>";
setcookie('lastvisit',"",time()-3600);
   }
 else{
       echo "This is your first visit <br>";
   }
?>
```

Output:-

This is your first visit	Your last visit time and date are : 4:06 , 06/16/22