

## GRAPHICERADEEMEDTOBE UNIVERSITY



SESSION 2022-23

WEBDEVELOPMENTLAB

(PCS693 )

SubmittedTo:

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

```
<!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>
<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:  

Email:

Contact Number:

Address:

Gender: ☐ Male ☐ Female ☐ Other

Department:

Photo:  No file chosen

## 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)

```
<!DOCTYPEhtml>
<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>TimeTable</title>
<link rel="stylesheet" type="text/css" href="../CSS/abhi.css">
<script src="../Javascript/first.js"></script>
</head>
<body>
<h1 class="heading" style="text-align: center;">GRAPHIC ERA DEEMED TO
BE UNIVERSITY</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 YEAR 2021-
22</h2><p style="text-align: center;"><b>W.E.F:25th February 2022</b></p>
<div style="display: flex; justify-content: center; align-items: center;"><table style="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>
```

```

<td colspan="2">CareerExcellenceClasses(CEC)</td>
</tr>
<tr>
<th>TUE</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(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>
<td colspan="3">SWAYAM/Training/Extra-CurricularActivities/LIB</td>
</tr>
<tr>
<th>FRI</th>
<td colspan="2">SoftwareEngineeringLab</td>
<td colspan="2">CompilerDesignLab</td>
<td>Lunch</td>
<td>LIB</td>
<td colspan="2">WebDevelopmentLab</td>
</tr>
</tbody>
</table>
</div>
<br><br><br><br>
</div>
</body>
</html>

```

**Output:-**

**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,**

GRAPHIC ERA DEEMED TO BE UNIVERSITY								
ONLINE TIME TABLE OF B. TECH. VIth SEMESTER " COMPUTER SCIENCE & ENGG.-H"								
ACADEMIC YEAR 2021-22								
W.E.F:25th February 2022								
	9:00-9:55	9:55-10:50	11:10-12:05	12:05-1:00	1:00-1:55	1:55-2:50	3:10-4:05	4:05-5:00
MON	TCS-602	TCS-693	TCS-601	TCS-691/TCS-651/TCS-619	Lunch	XCS-601 (PDP)	Career Excellence Classes (CEC)	
TUE	TCS-602	TCS-693	TCS-601	TCS-691/TCS-651/TCS-619	Lunch	XCS-601 (QAR)	TCS-604	TCS-604
WED	TCS-602	TCS-693	TCS-601	TCS-691/TCS-651/TCS-619	Lunch	LIB	TCS-604	TCS-604 (Discussion Class)
THU	TCS-602	TCS-693	TCS-601	TCS-691/TCS-651/TCS-619 (Discussion Class)	Lunch	SWAYAM/Training/Extra-Curricular Activities/LIB		
FRI	Software Engineering Lab		Compiler Design Lab		Lunch	LIB	Web Development Lab	

**remaining on right to show remarks.**

```
(Frame.html)
<!DOCTYPEhtml>
<html>
<head>
<title>Frames</title>
</head>
<framesetcols="20%,80%"noresize="noresize"border="10">
<framesrc=" ../HTML/frames/menu.html"name="menu_page">
<framesrc=" ../HTML/frames/main.html"name="main_page">
</frameset>
</html>(main.html)
<!DOCTYPEhtml>
<html>
<body>
<h1>
<marqueeScrollamount=20>Selectanyplanet</marquee>
</h1>
</body>
</html>(menu.html)
<!DOCTYPEhtml>
<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>SelectedPlanets</h1>
<pstyle="font-size:20px">Readessentialdetailsaboutfollowingplanets.
<p>
<ulstyle="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:-

The screenshot displays the Wikipedia page for Venus. On the left, a sidebar titled "Selected Planets" lists links for Venus, Earth, and Jupiter. The main content area features the title "Venus" with a star icon, followed by a summary paragraph and a detailed description of the planet's characteristics, including its orbit, rotation, and atmosphere. A false-color composite image of Venus is shown on the right, with a caption explaining it was created from visual and ultraviolet wavelengths. Below the image, the word "Designations" is visible.



**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>
<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:-**

<div>Select a Country : <input type="text" value="JAPAN"/></div> <div>Capital is :</div> <div><b>TOKYO</b></div>	<div>Select a Country : <input type="text" value="PAKISTAN"/></div> <div>Capital is :</div> <div><b>ISLAMABAD</b></div>	<div>Select a Country : <input type="text" value="INDIA"/></div> <div>Capital is :</div> <div><b>NEW DELHI</b></div>
--	---	--

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

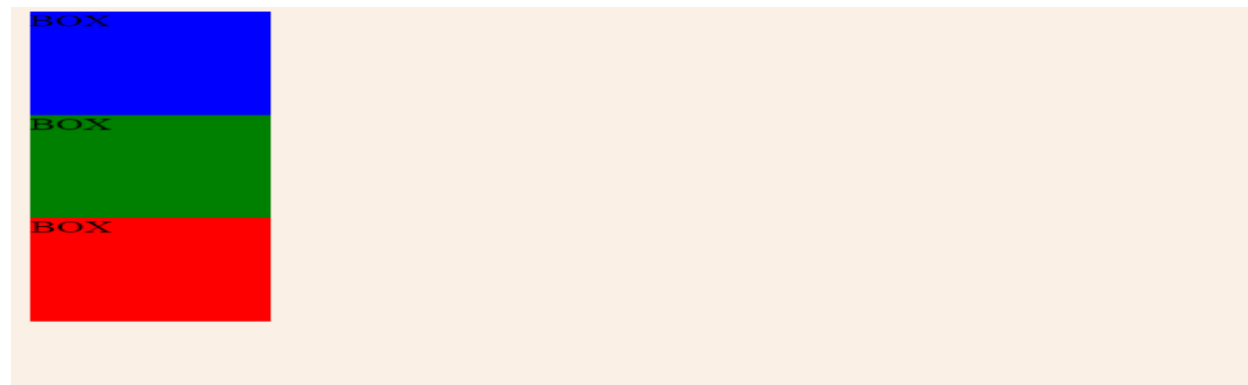
### Index.html

```
<!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">Confirm Password *</label>
<input type="password" class="form-input" id="confirm-password" placeholder="enter your
password again" required="required">
</div>
</div>
</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>
```

```
<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

```
@import url('https://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;
        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:-

## Registration

First name \*

enter your first name

Last name

enter your last name

Email\*

enter your email

Password \*

enter your password

Confirm Password \*

enter your password again

Gender:

☐ Male ☐ Female

Hobbies

☐ Music ☐ Sports ☐ Travel ☐ Movies

Source of Income

Employed

Income

20K

Upload Profile Picture

Choose File

No file chosen

Age

18

Bio

\* required

Create

7.

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

```
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');
```

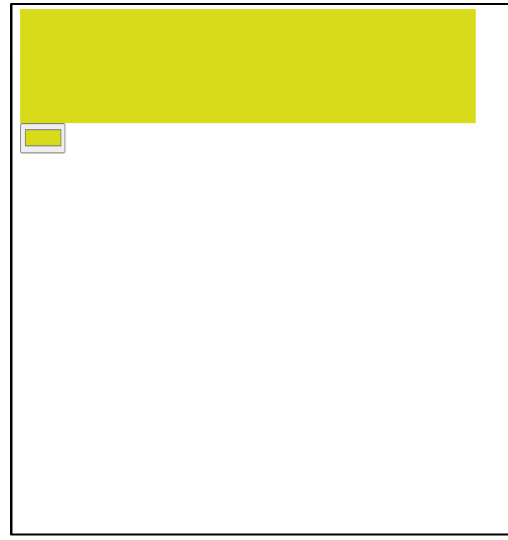
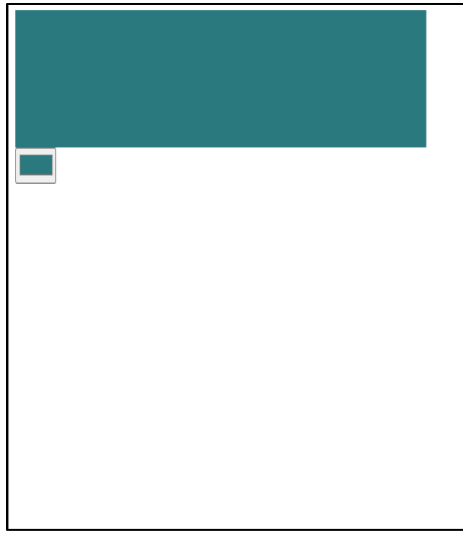
**B. Write a JavaScript code to take color from user and apply that color to Div tag.**

```
<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>
<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**

```

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");
    }
}

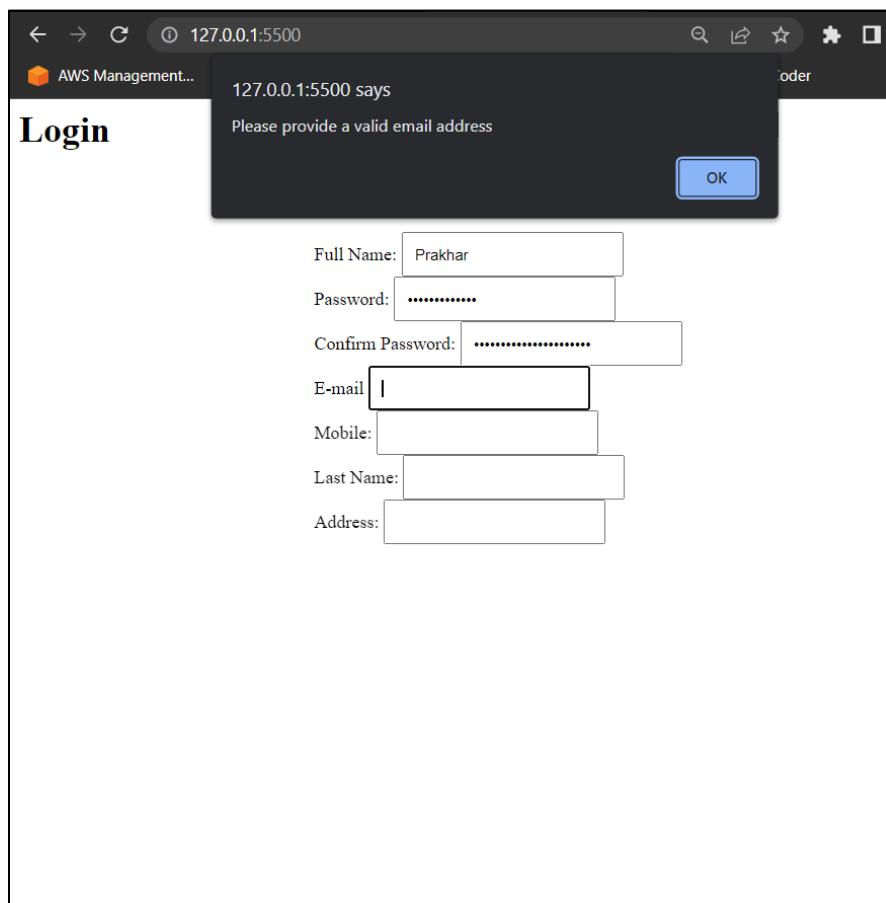
function mCheck() {
    var x = document.getElementById("phone");
    if (!(x.value.length == 8)) {
        alert("Phone Number should be 8 char long");
    }
}

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.**

```
<!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>
<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 : <input type="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;
    });

```



```

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:-**

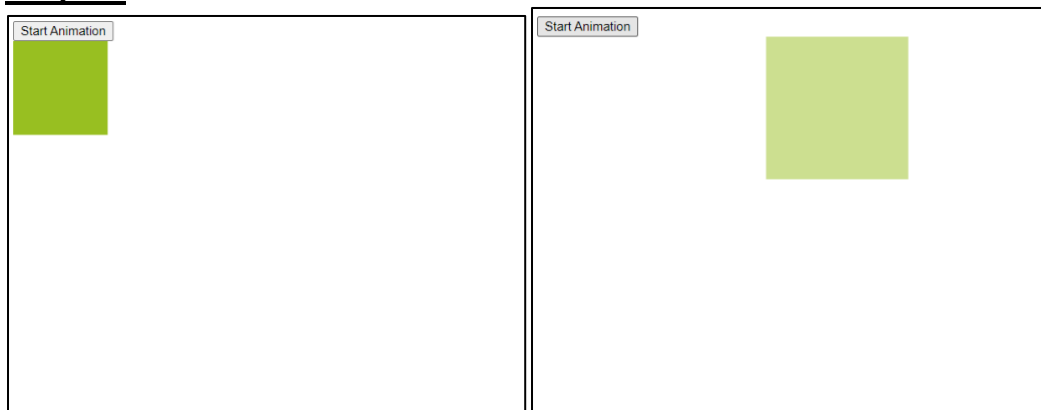
particulars	rate	quantity	total
Product 1	<input type="text" value="120"/>	<input type="text" value="2"/>	<input type="text" value="240"/>
Product 2	<input type="text" value="200"/>	<input type="text" value="3"/>	<input type="text" value="600"/>
Product 3	<input type="text" value="2"/>	<input type="text" value="10"/>	<input type="text" value="20"/>
Product 4	<input type="text" value="5"/>	<input type="text" value="10"/>	<input type="text" value="50"/>
Product 5	<input type="text" value="50"/>	<input type="text" value="2"/>	<input type="text" value="100"/>
Tax : <input type="text" value="181.79999999999998"/> Based on a 18% GST			
Grandtotal : <input type="text" value="1191.8"/> Vat included			

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

```
<!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.

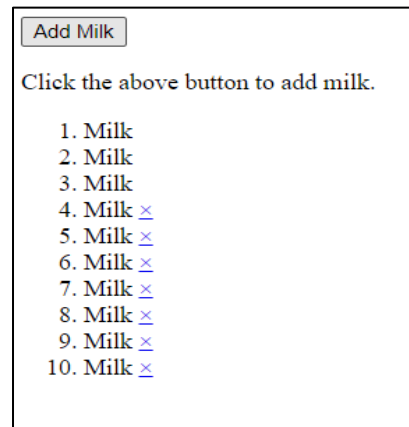
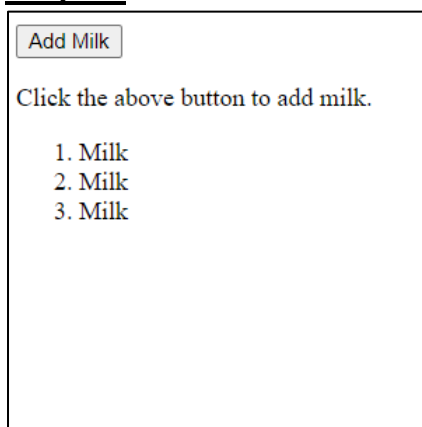
```
<!DOCTYPE html>
<html lang="en">

<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.

```
<!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 is text</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:

Keypresses: 19

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

```
<!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>

<body>

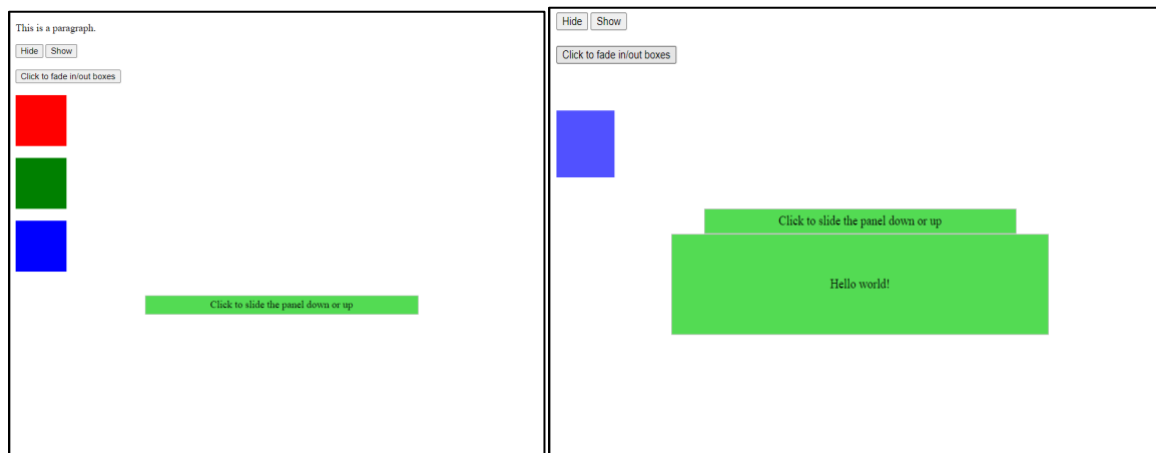
<p>This is a paragraph.</p>

<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 HTML page and returns the result page with the operation performed on the operands.

```

<!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:-**

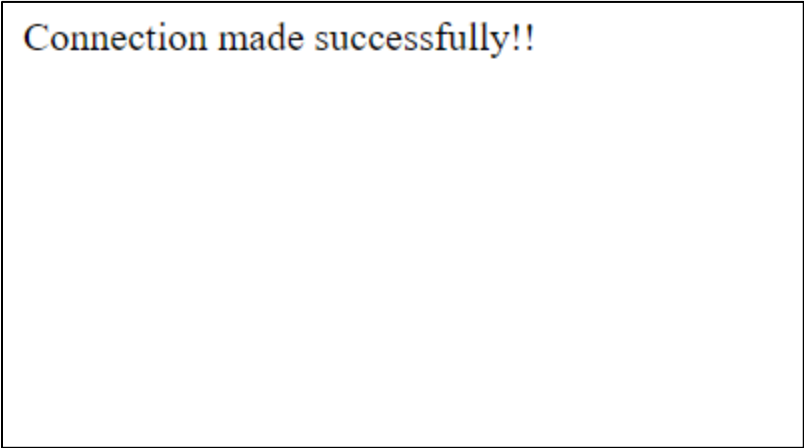
Number1	<input type="text" value="42"/>
Number2	<input type="text" value="10"/>
Choose Operation : <input type="button" value="Multiply"/> ▼	
<input type="button" value="Submit"/>	
Result :	
420	

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

**\_db\_connect.php**

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

**Output:-**



**welcome.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:**

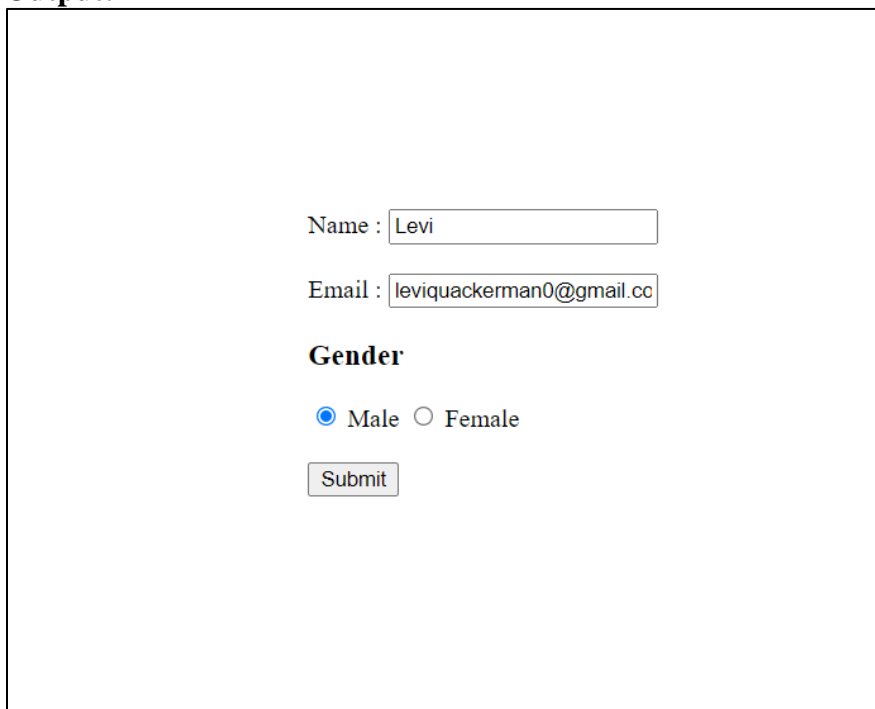
- [Insert](#)
- [Display](#)
- [Update](#)
- [Delete](#)

**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('Registration 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>
<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:**

Name :

Email :

**Gender**

☒ Male ☐ Female

**display.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';
$result = mysqli_query($conn, $sql);
if($result) {
    $num = mysqli_num_rows($result);
    if($num > 0) {
        echo '<table border="2" cellspacing="3" cellpadding="2">
<tr>
<th>Name</th>
<th>Email</th>
<th>Gender</th>
</tr>';
        while($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!!

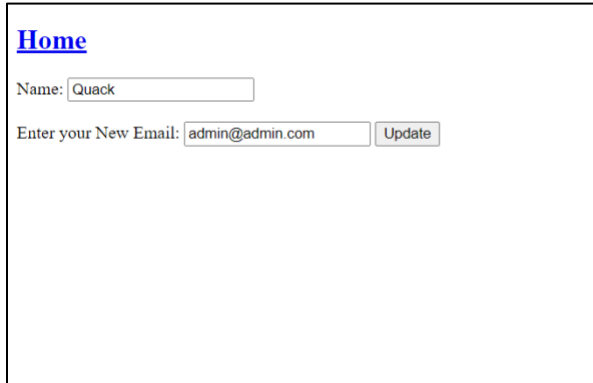
Name	Email	Gender
EREN	eren@yaeger.com	Male
Sanji	sanji@loves.com	Male
Hinata	ilove@naruto.com	Female
Gon	dad@where.com	Male

**update.php**

```

<?php
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:**


[Home](#)

Name:

Enter your New Email:

**delete.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:- After deletion:-**

Home

Connection made successfully!!

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

Connection made successfully!!

Home

Name:

Sanji

sanji

Home

Connection made successfully!!

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

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

```
<?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
--------------------------	---