

# **FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)<sup>TM</sup>**

**HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577**



**FOCUS ON EXCELLENCE**

**20MCA133.WEB PROGRAMMING LAB**

**LABORATORY RECORD**

**Name: ADARSH M**

**Branch: MASTER OF COMPUTER APPLICATIONS**

**Semester: 1    Batch: A    Roll No: 05**

**University Registration Number: FIT22MCA-2005**

**JANUARY 2023**

# FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)<sup>TM</sup>

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577



FOCUS ON EXCELLENCE

## CERTIFICATE

*This is to certify that this is a Bonafede record of the Practical work done by*  
**ADARSH M (FIT22MCA-2005)***in the*  
**20MCA133 WEB PROGRAMMING**  
**LAB***Laboratory towards the partial fulfilment for the award of the Master Of Computer*  
*Applications during the academic year 2022-2023.*

Staff in Charge

Ms. Rose Mary Mathew

Head of the department

Dr. Deepa Mary Mathews

**Date of University practical examination .....**

Signature of  
Internal Examiner

Signature of  
External Examiner

## **TABLE OF CONTENTS**

<b>Sl. No.</b>	<b>Date</b>	<b>Experiment</b>	<b>Page No.</b>	<b>Signature of Staff in Charge</b>
<b>1</b>	27/10/2022	Model a simple HTML file describing your hometown (demonstrate the use of different tags).	<b>1</b>	
<b>2</b>	01/11/2022	Create a webpage for displaying your biodata which contains images, tables, and also link within a page.	<b>3</b>	
<b>3</b>	03/11/2022	Design an application form for MCA course in FISAT using HTML.	<b>7</b>	
<b>4</b>	07/11/2022	Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.	<b>9</b>	
<b>5</b>	10/11/2022	Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.	<b>15</b>	
<b>6</b>	21/11/2022	Create a HTML registration form and to validate the form using JavaScript code.	<b>24</b>	
<b>7</b>	24/11/2022	Create a HTML page to explain the use of various predefined functions in a string and math object in java script.	<b>31</b>	
<b>8</b>	01/12/2022	Create a HTML page to change the background color for every click of a button using JavaScript Event Handling.	<b>39</b>	

<b>9</b>	05/12/2022	Compose Electricity bill from user input based on a given tariff using PHP	<b>41</b>	
<b>10</b>	08/12/2022	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.	<b>43</b>	
<b>11</b>	12/12/2022	Build a PHP code to store name of Indian Cricket players in an array and display the same in HTML table.	<b>45</b>	
<b>12</b>	15/12/2022	Outline a registration form using PHP and do necessary validations.	<b>47</b>	
<b>13</b>	12/01/2023	Develop a PHP program to connect to a database and add data to the employee table and retrieve data from the table and show the retrieved details in a neat format.	<b>51</b>	
<b>14</b>	14/01/2023	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	<b>55</b>	
<b>15</b>	16/01/2023	Using PHP and MySQL, develop a program to collect airline details and display all the airlines between a particular source and destination.	<b>60</b>	

**AIM**

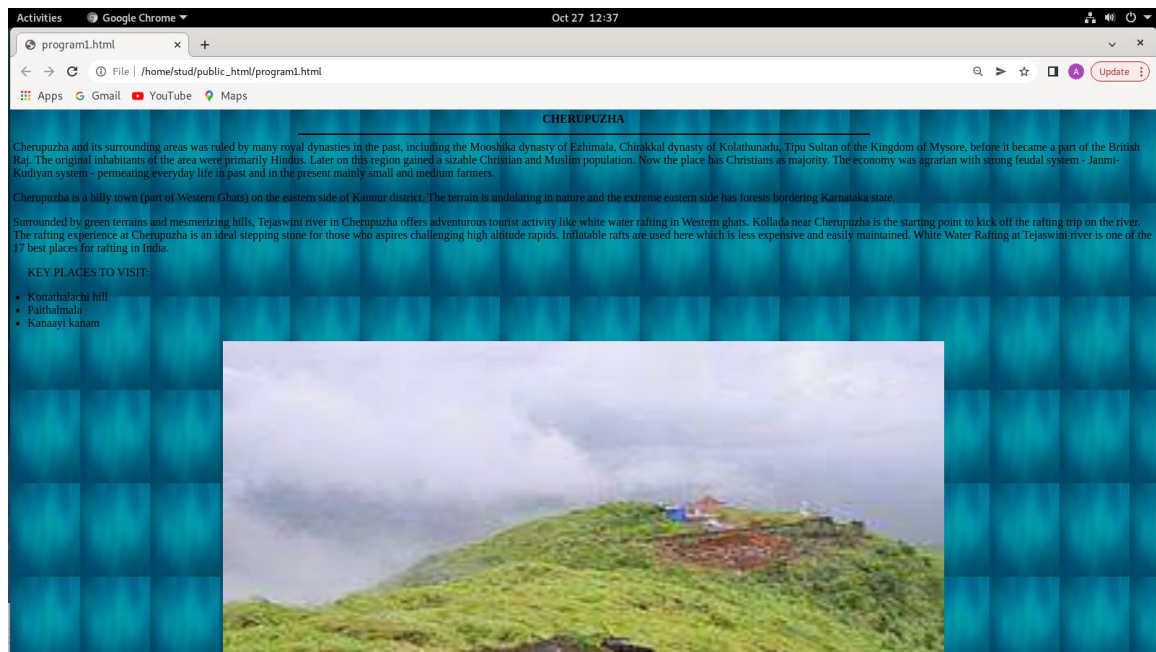
To model a simple HTML file describing your hometown (demonstrate the use of different tags).

**Program Code**

```
<html>
<body background="/home/stud/images.jpeg">
<h1 align="center">CHERUPUZHA</h1> <hr align="center" size="2" width="50%"
color="black" noshade>

<p> <font size="6"> Cherupuzha and its surrounding areas was ruled by many royal
dynasties in the past, including the Mooshika dynasty of Ezhimala, Chirakkal dynasty of
Kolathunadu, Tipu Sultan of the Kingdom of Mysore, before it became a part of the British
Raj. The original inhabitants of the area were primarily Hindus. Later on this region gained a
sizable Christian and Muslim population. Now the place has Christians as majority. The
economy was agrarian with strong feudal system - Janmi-Kudiyan system - permeating
everyday life in past and in the present mainly small and medium farmers.</p>
<p>Cherupuzha is a hilly town (part of Western Ghats) on the eastern side of Kannur district.
The terrain is undulating in nature and the extreme eastern side has forests bordering
Karnataka state.</p>
<p>Surrounded by green terrains and mesmerizing hills, Tejaswini river in Cherupuzha
offers adventurous tourist activity like white water rafting in Western ghats. Kollada near
Cherupuzha is the starting point to kick off the rafting trip on the river. The rafting
experience at Cherupuzha is an ideal stepping stone for those who aspires challenging high
altitude rapids. Inflatable rafts are used here which is less expensive and easily maintained.
White Water Rafting at Tejaswini river is one of the 17 best places for rafting in India.</p>
</hr>
<blockquote>KEY PLACES TO VISIT:</blockquote>
<ul>
<li>Kottathalachi hill</li>
<li>Paithalmala</li>
<li>Kanaayi kanam</li>
</ul></font size>
<center></center>
</body></html>
```

## Output



**AIM**

Create a webpage for displaying your biodata which contains images, tables, and also link within a page.

**Program Code****biodata.html**

```
<html>
<body>
<center><h1>BIODATA</h1></center>
ADARSH M
</img>
<ul>
<li><a href="/home/stud/Adarsh_M/personaldata.html">PERSONAL DETAILS</a></li>
<li><a href="/home/stud/Adarsh_M/academicdata.html">ACADEMIC DETAILS</a></li>
</ul>
</body>
</html>
```

**Personaldetails.html**

```
<html>
<title>PERSONAL DETAILS</title>
<center><h1>PERSONAL DETAILS</h1></center>
<body bgcolor="pink">
<p>
<br><h4>Name:</h4><h3>Adarsh M</h3></br>
<br><h4>Adress:</h4><h3>Kadayakkara House</h3></br>
<br><h3>Kundamthadam</h3></br>
<br><h3>Padiyottuchal (P O)</h3></br>
<br><h3>Kannur</h3></br>
<br><h4>Phone :</h4><h3>9526483987</h3></br>
</p>
</body>
</html>
```

**Academicdetails.html**

```
<html>
<title>ACADEMIC DETAILS</title>
<center><h1>ACADEMIC DETAILS</h1></center>
<body bgcolor="445566">
```

```

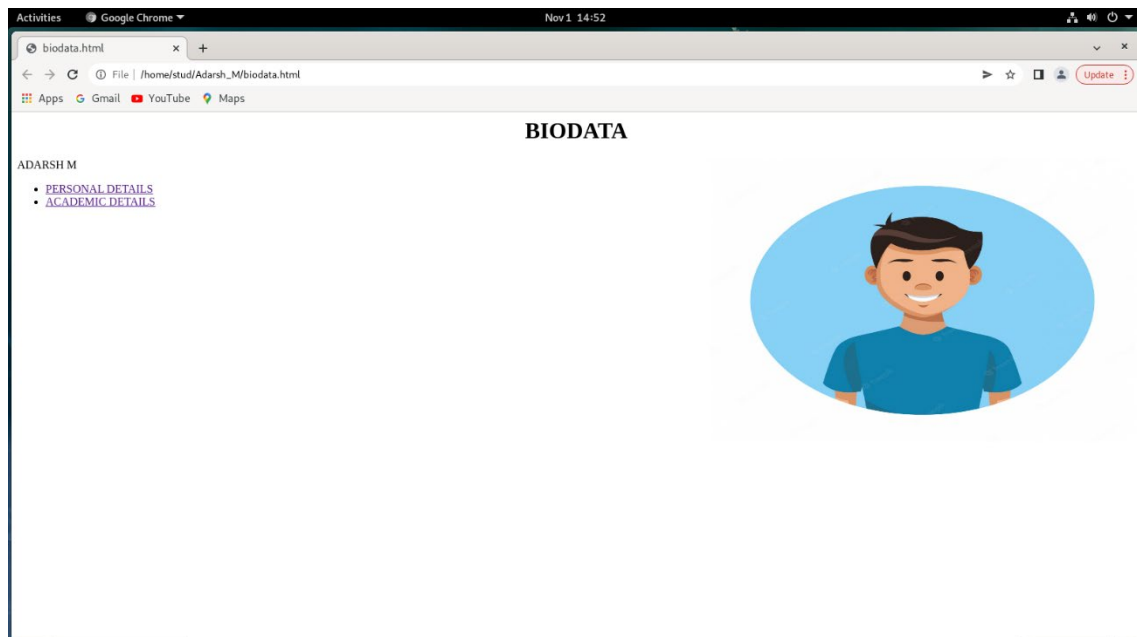
<center>
<table border="1" bgcolor="005566">
<tr>
<th>COURSE</th>
<th>INSTITUTION</th>
<th>PERCENTAGE</th>
</tr>
<tr>
<td>
SSLC
</td>
<td>
ST MARY'S HS, CHERUPUZHA
</td>
<td>
95%
</td>
</tr>
<tr>
<td>
PLUS TWO
</td>
<td>
GHSS KUNHIMANGALAM
</td>
<td>
95%
</td>
</tr>
<tr>
<td>
DEGREE
</td>
<td>
SIR SYED COLLEGE, TALIPARAMBA
</td>
<td>
79%
</td>
</tr>
</center>
</body>
</html>

```

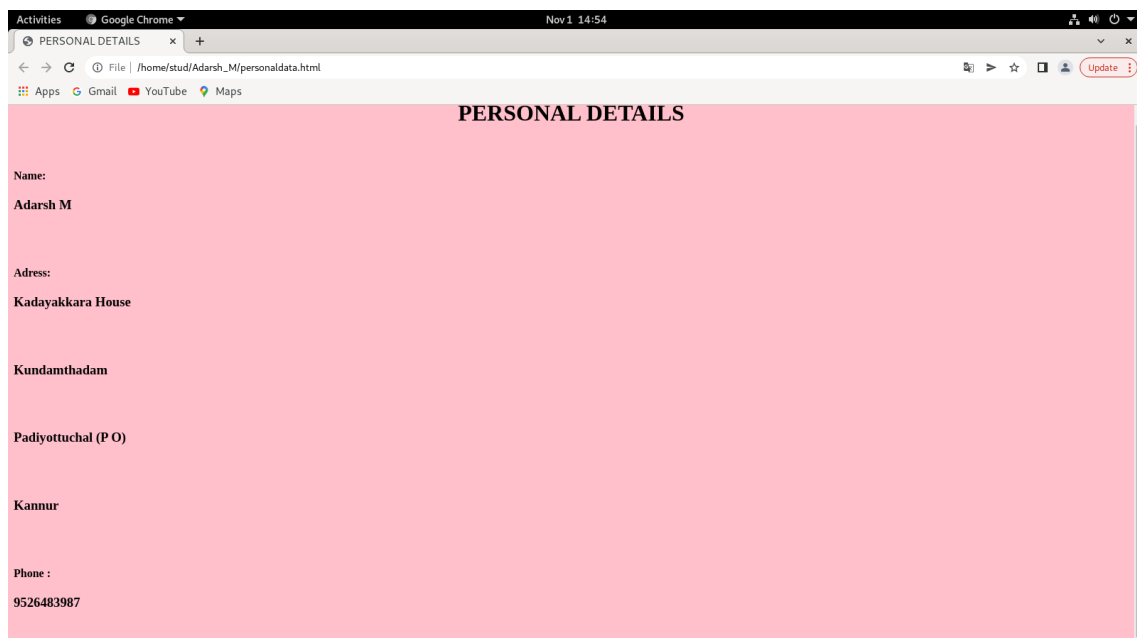


## Output

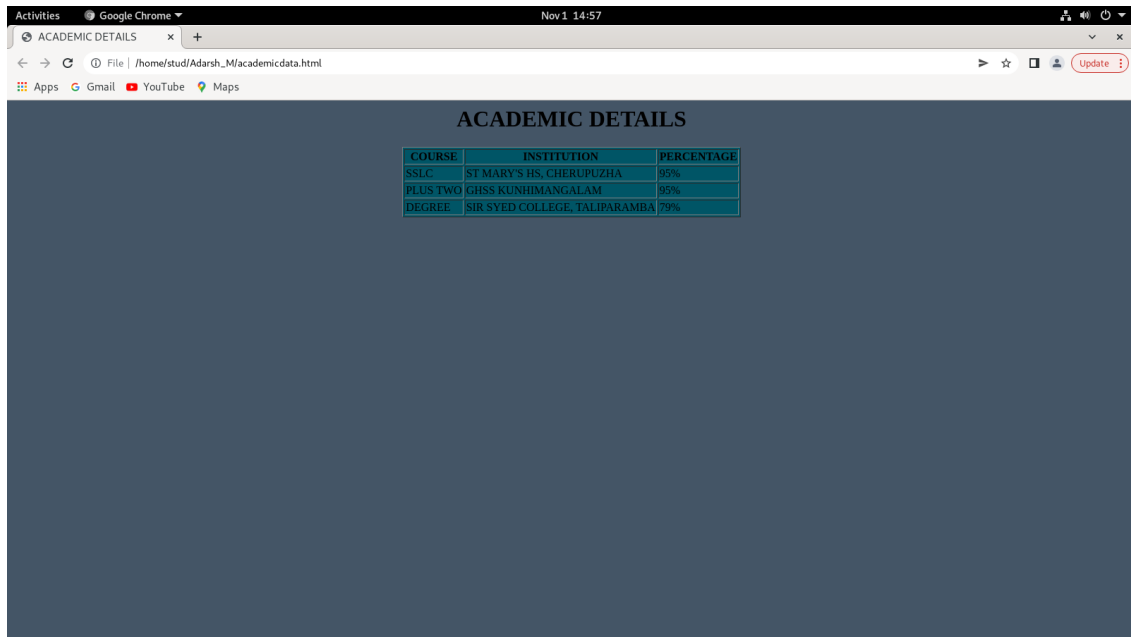
### biodata.html



### Personaldetails.html



## Academicdetails.html



The screenshot shows a Google Chrome browser window with the title 'ACADEMIC DETAILS'. The address bar shows the file path 'File | /home/stud/Adarsh\_M/academicdata.html'. The page content features a dark blue background with the title 'ACADEMIC DETAILS' in white. Below the title is a table with three columns: COURSE, INSTITUTION, and PERCENTAGE. The table contains three rows of data.

COURSE	INSTITUTION	PERCENTAGE
SSLC	ST MARY'S HS, CHERUPUZHA	95%
PLUS TWO	GHSS KUNHIMANGALAM	95%
DEGREE	SIR SYED COLLEGE, TALIPARAMBA	79%

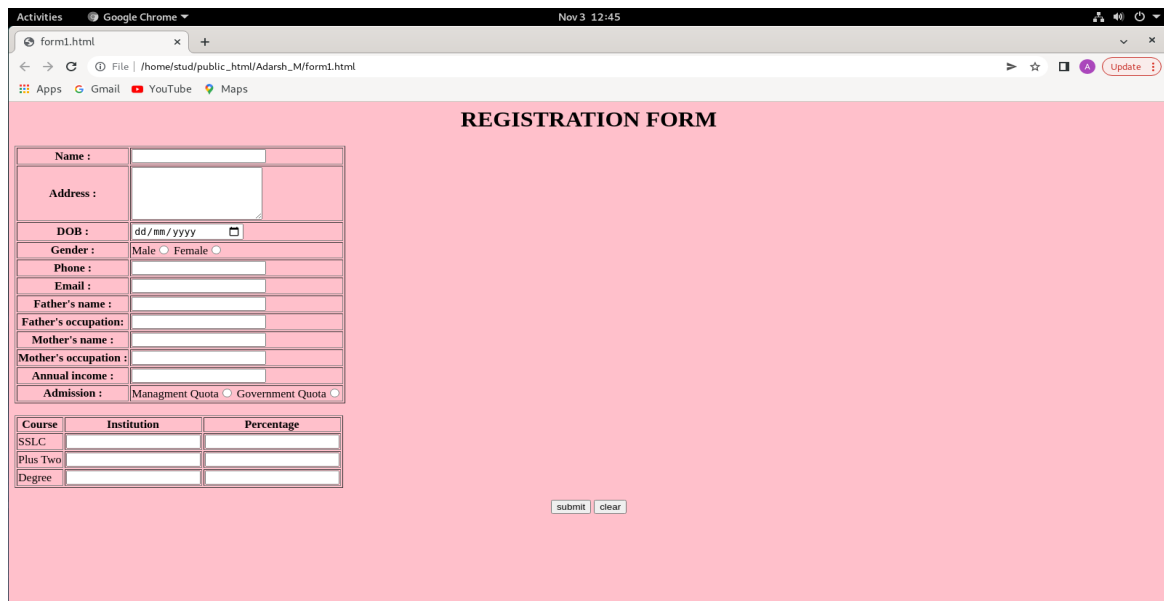
**AIM**

Design an application form for MCA course in FISAT using HTML.

**Program Code**

```
<html>
<body bgcolor="pink">
<center><h1>REGISTRATION FORM</h1></center>
<form>
<table border=1>
<tr><th>Name :</th><td><input type="text" name="name"></td></tr>
<tr><th>Address :</th><td><textarea name="adress" rows=5
cols="20"></textarea></td></tr>
<tr><th>DOB :</th><td><input type="date" name="DOB"></td></tr>
<tr><th>Gender :</th><td>Male<input type="radio" name="Gender"> Female<input
type="radio" name="Gender" ></td></tr>
<tr><th>Phone :</th><td><input type="number" name="phone"></td></tr>
<tr><th>Email :</th><td><input type="text" name="email"></td></tr>
<tr><th>Father's name :</th><td><input type="text" name="Father's
occupation"></td></tr>
<tr><th>Father's occupation: </th><td><input type="text" name="name"></td></tr>
<tr><th>Mother's name : </th><td><input type="text" name="Mother's
name"></td></tr>
<tr><th>Mother's occupation : </th><td><input type="text" name="Mother's
occupation"></td></tr>
<tr><th>Annual income :</th><td><input type="text" name="Annual
income"></td></tr>
<tr><th>Admission :</th><td>Managment Quota<input type="radio" name="Admission">
Government Quota<input type="radio" name="Admission" ></td></tr>
</table>
<br>
<table border=1>
<tr><th>Course</th><th>Institution</th><th>Percentage</th></tr>
<tr><td>SSLC</td><td><input type="text" name="SSLC"></td><td>
<input type="number" name="SSLC percentage"></td></tr>
<tr><td>Plus Two</td><td><input type="text" name="Plus Two"></td>
<td><input type="number" name="Plus Two percentage"></td></tr>
<tr><td>Degree</td><td><input type="text" name="Degree"></td>
<td><input type="number" name="Degree percentage"></td></tr>
</table>
<br>
<center><input type="submit" name="submit" value="submit"><t>
<input type="reset" name="clear" value="clear"></center>
</form>
</body>
</html>
```

## Output



The screenshot shows a web browser window with the title 'form1.html'. The address bar shows the file path: `File | /home/stud/public_html/Adarsh_M/form1.html`. The browser's toolbar includes buttons for back, forward, refresh, and search, along with a search bar and a red 'Update' button. The main content area has a pink background and is titled 'REGISTRATION FORM' in bold black text. The form consists of several input fields and a table. The input fields are: Name, Address, DOB (with a date picker), Gender (Male/Female radio buttons), Phone, Email, Father's name, Father's occupation, Mother's name, Mother's occupation, Annual income, and Admission (Management Quota/Government Quota radio buttons). Below these is a table with three columns: Course, Institution, and Percentage. The table has four rows: SSLC, Plus Two, Degree, and an empty row. At the bottom right of the form are 'submit' and 'clear' buttons.

Name :	<input type="text"/>
Address :	<input type="text"/>
DOB :	<input type="text" value="dd/mm/yyyy"/>
Gender :	Male <input type="radio"/> Female <input type="radio"/>
Phone :	<input type="text"/>
Email :	<input type="text"/>
Father's name :	<input type="text"/>
Father's occupation:	<input type="text"/>
Mother's name :	<input type="text"/>
Mother's occupation :	<input type="text"/>
Annual income :	<input type="text"/>
Admission :	Managment Quota <input type="radio"/> Government Quota <input type="radio"/>

Course	Institution	Percentage
SSLC	<input type="text"/>	<input type="text"/>
Plus Two	<input type="text"/>	<input type="text"/>
Degree	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>

**AIM**

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

**Program Code****Frame1.html**

Frame1.html

```
<html>

<head><title>Frames 1</title></head>

<frameset cols="140,*">

<frame name="navF" src="frame.html">

<frame name="mainF" src="intro.html">

</frameset>

</html>
```

**Frame.html**

Frame.html

```
<html>

<head>

<title>frame</title>

</head>

<body bgcolor="pink">

<center>

<h1>courses</h2><br>

<a href="mca.html" target="mainF">MCA</a><br><br>

<a href="details.html" target="mainF">MBA</a><br><br>

</center>

</body>

</html>
```

**Mca.html**

Mca.html

&lt;html&gt;

&lt;head&gt;&lt;title&gt;MCA DETAILS&lt;/title&gt;&lt;/head&gt;

&lt;body bgcolor="lightgreen"&gt;

&lt;img src="m.jfif"&gt;

<h2>The MCA programme started in Federal Institute of Science and Technology (FISAT) in  
the year

2006. MCA Department has a team of competent and committed faculty and very good infrastructure

facilities. Systematic Teaching – Learning process and other regular academic activities produced many

academic achievements which include first ranks in 2010, 2012, 2015, second rank in 2015

and third rank

in 2011, 2016 (MCA-two-year programme) in MG University MCA examinations and excellence results

in A P J Abdul Kalam University MCA examinations from 2016 onwards..</h2>

&lt;h1&gt;COURSES OFFERED:&lt;/h1&gt;

&lt;ul&gt;

&lt;li&gt;Two year Post graduate programme consisting of four semesters.&lt;/li&gt;

&lt;li&gt;The annual intake is 120.&lt;/li&gt;

<li>The course is approved by AICTE and affiliated to the A.P.J. Abdul Kalam Technological

University,

Kerala.</li>

&lt;/ul&gt;

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

**Mba.html**

```
Mba.html  
  
<html>  
  
<h1>First Semester</h1>  
  
<ul>  
  
<li>Corporate Social Responsibility</li>  
  
<li>Macroeconomics</li>  
  
<li>Microeconomics</li>  
  
<li>Business Law</li>  
  
  
  
<li>Principles of Marketing Management</li>  
  
<li>Operations Management</li>  
  
<li>Principles of Accounting</li>  
  
</ul>  
  
</body>  
  
</html>  
  
Details.html  
  
<html>  
  
<body bgcolor="grey">  
  
<h1>MBA SUBJECTS</h1>
```

```
<iframe src="mba.html" title="mba">
```

```
</iframe>
```

```
</body>
```

```
</html>
```

## **Nested frame**

### **frame1.html**

```
frame1.html
```

```
<html>
```

```
<head><title>Frames 2</title></head>
```

```
<frameset cols="140,*">
```

```
<frame name="navF" src="frame.html">
```

```
<frameset rows="30%,70%">
```

```
<frame name="upperF" src="mca.html">
```

```
<frame name="lowerF" src="details.html">
```

```
</frameset>
```

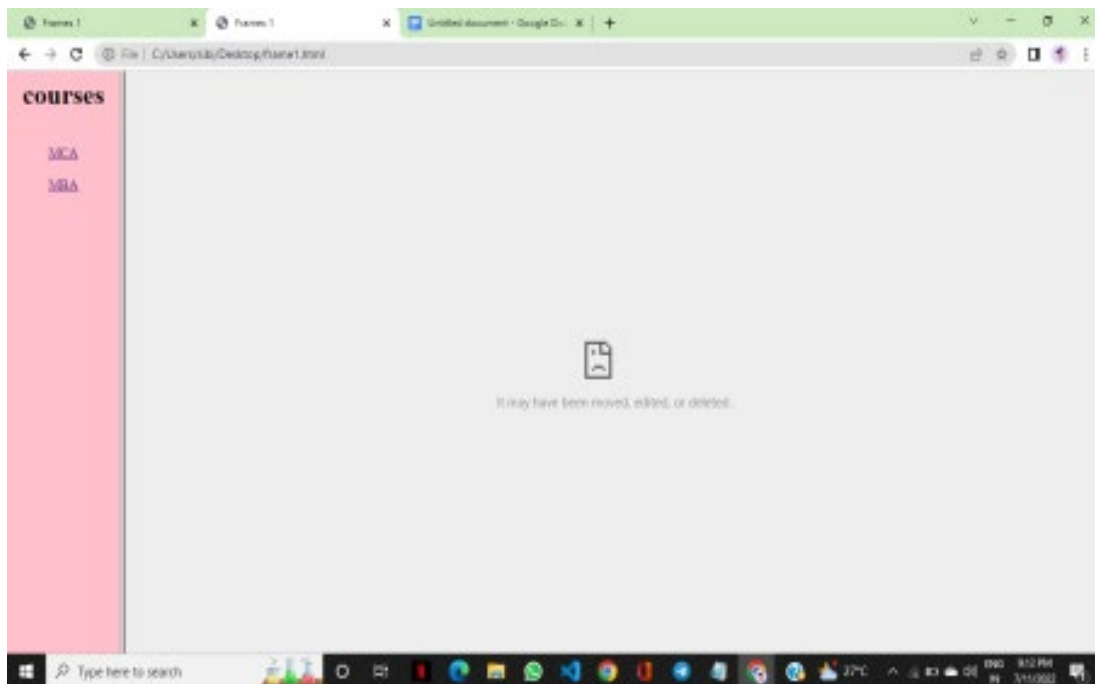
```
</frameset>
```

```
</html>
```



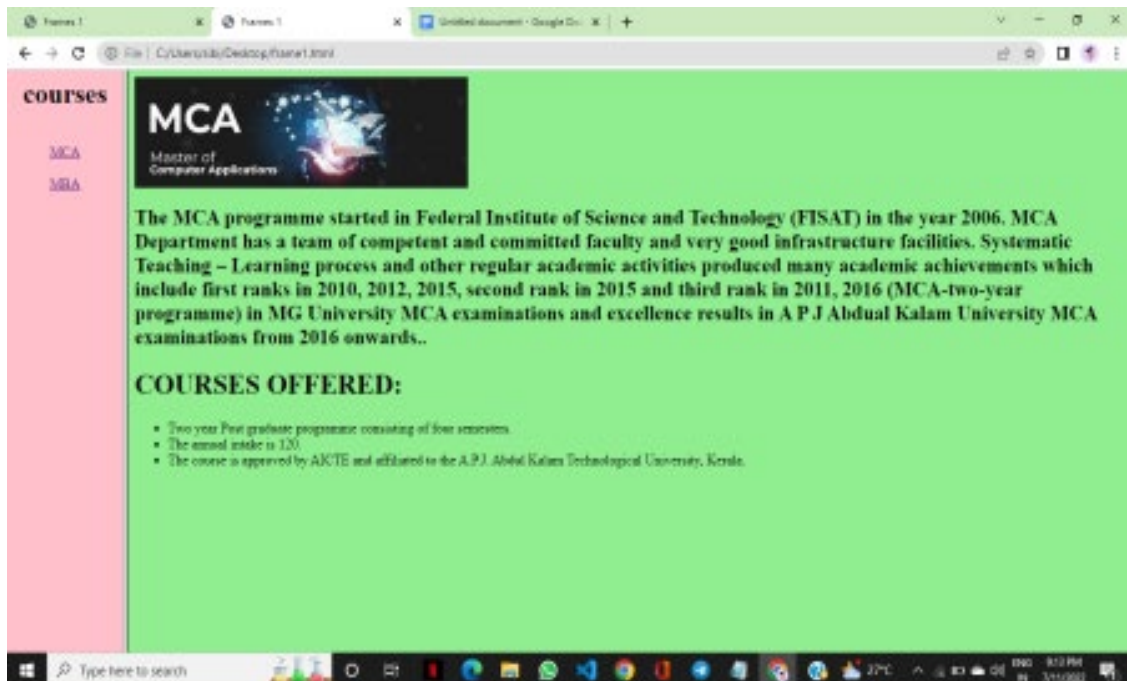
## Output

### Frame.html



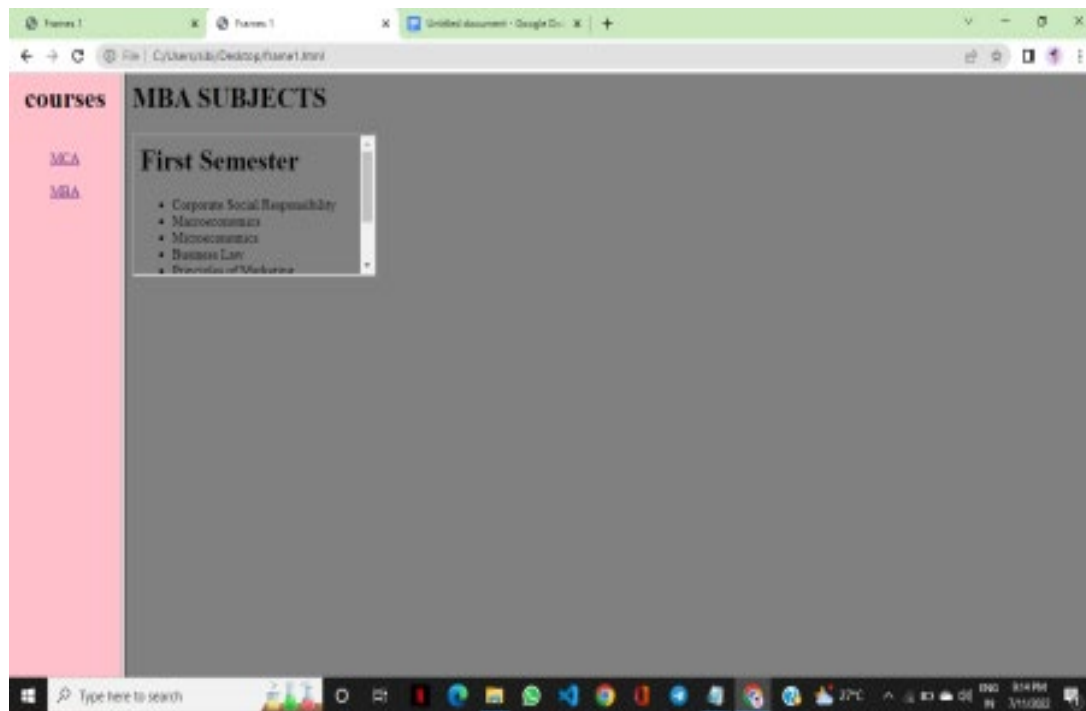
### Frame1.html

### Mca.html



## Frame1.html

## Mba.html



**AIM:**

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

**Program Code****Frontpage.html**

```

<html>

<head>

<title>front pg</title>

</head>

<body bgcolor="pink">

<font color="blue"><center><font size=30>FEDERAL INSTITUTE OF SCIENCE
AND TECHNOLOGY</font></center>

<hr>

<body>

<font size=5><font color="black">

<center>

 </center>
<table>

<tr>

<center> <a href="INTERNAL.html">INTERNAL</a><br> </center>

<center> <a href="EXTERNAL.html">EXTERNAL</a> </center>

<center> <a href="INLINE.html">INLINE</a> </center>

</body>

</html>

```

**Internal.html**

```
<!DOCTYPE html>

<html>

<head>

<style>

.container {

position: relative;

}

.center {

position: absolute;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

font-size: 18px;

}

img {

width: 100%;

height: auto;

opacity: 0.3;

}

h2{

color:red

}

</style> </head>

<body>

<h2><center><u>FEDERAL INSTITUTE OF SCIENCE AND

TECHNOLOGY</u></center></h2> <div class="container">


```

```
<div class="center">Federal Institute of Science And Technology (FISAT) is a
private, self-financing
engineering college, established and run by the Federal Bank Officers'
Association Educational Society
(FBOAES). It is one of the top private engineering colleges in Kerala. It is an
initiative of the Federal Bank Officers' Association (FBOA), the sole representative
body of the entire officers of the Federal Bank. FISAT is accredited by NBA and
NAAC.
```

```
FISAT is set up at Mookannoor, near Angamaly in Ernakulam District, Kerala,
the birthplace of the founder of The Federal Bank Ltd, Late K.P Hormis.
```

```
FISAT is affiliated to APJ Abdul Kalam Technological University (KTU), Mahatma
Gandhi University, Kerala and approved by All India Council for Technical
Education (AICTE), New Delhi. FISAT conducts
```

```
six B.Tech. courses in engineering, MBA programme (with specialization in
Finance, Marketing, Human
```

```
Resource Management, Information System, Production & Operations
Management and International
```

```
Business), MCA programme (3 years & 2 yr Lateral Entry) and six M.Tech. courses.
```

```
FISAT is accredited by NAAC with 'A' Grade</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

### **Externall.HTML**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<link rel="stylesheet" type="text/css" href="external.css" />
```

```
</head>
```

```
<body>
```

```
<h2><center><u>FEDERAL INSTITUTE OF SCIENCE AND  
TECHNOLOGY</u></center></h2> <div class="container">
```

```

```

```
<div class="center">Federal Institute of Science And Technology (FISAT) is a  
private, self-financing  
engineering college, established and run by the Federal Bank Officers'  
Association Educational Society  
(FBOAES). It is one of the top private engineering colleges in Kerala. It is an  
initiative of the Federal Bank Officers' Association (FBOA), the sole representative  
body of the entire officers of the Federal Bank. FISAT is accredited by NBA and  
NAAC.
```

```
FISAT is set up at Mookannoor, near Angamaly in Ernakulam District, Kerala,  
the birthplace of the founder of The Federal Bank Ltd, Late K.P Hormis.
```

```
FISAT is affiliated to APJ Abdul Kalam Technological University (KTU), Mahatma  
Gandhi University, Kerala and approved by All India Council for Technical  
Education (AICTE), New Delhi. FISAT conducts
```

```
six B.Tech. courses in engineering, MBA programme (with specialization in  
Finance, Marketing, Human
```

```
Resource Management, Information System, Production & Operations  
Management and International
```

```
Business), MCA programme (3 years & 2 yr Lateral Entry) and six M.Tech. courses.
```

```
FISAT is accredited by NAAC with 'A' Grade
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

**External.CSS**

```
.container {  
position: relative;  
}  
.center {  
position: absolute;  
top: 50%;  
left: 50%;  
transform: translate(-  
50%, -50%); font-size:  
18px;  
}  
img {  
width: 100%;  
height: auto;  
opacity: 0.3;  
}  
h2 {  
color:red  
}
```

**Inline.html**

```
<html>

<head>

<style>

.container {
position: relative;
}

.center {
position: absolute;
top: 50%;
left: 50%;
transform: translate(-
50%, -50%); font-size:
18px;
}

img {
width: 100%;
height: auto;
opacity: 0.3;
}

</style>

</head>

<body>

<h1 style="color:RED;text-align:center;"><u>FEDERAL
INSTITUTE OF SCIENCE AND TECHNOLOGY</u></h1>

<div class="container">


```



`<div class="center">`Federal Institute of Science And Technology (FISAT) is a private, self-financing engineering college, established and run by the Federal Bank Officers' Association Educational Society (FBOAES). It is one of the top private engineering colleges in Kerala. It is an initiative of the Federal Bank Officers' Association (FBOA), the sole representative body of the entire officers of the Federal Bank. FISAT is accredited by NBA and NAAC.

FISAT is set up at Mookannoor, near Angamaly in Ernakulam District, Kerala, the birthplace of the founder of The Federal Bank Ltd, Late K.P Hormis.

FISAT is affiliated to APJ Abdul Kalam Technological University (KTU), Mahatma Gandhi University, Kerala and approved by All India Council for Technical Education (AICTE), New Delhi. FISAT conducts six B.Tech. courses in engineering, MBA programme (with specialization in Finance, Marketing, Human Resource Management, Information System, Production & Operations Management and International Business), MCA programme (3 years & 2 yr Lateral Entry) and six M.Tech. courses.

FISAT is accredited by NAAC with 'A' Grade

`</div>`

`</body>`

`</html>`

## Output

Frontpage.html



## InternalL.HTML



**Inline.html****External.html**

**AIM**

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

**Program Code**

```
<!DOCTYPE html>

<html>

<head>

    <title>Reg Form</title>

    <style type="text/css">

        body{

            font-family: Calibri;

background-color:PINK;

        }

        input[type="text"] {

            width: 250px;

        }

        input[type="submit"],

        input[type="reset"] {

            width: 77px;

            height: 27px;

            position: relative;left: 180px;

        }

        form{

            text-align: center;

            font-family: Calibri;

            font-size: 20px;

            border: 3px solid black;

            width: 600px;

            margin: 20px auto;
```

```
    }

    td {

        padding: 10px;

    }

    td:first-child {

        text-align: right;
        font-weight: bold;

    }

    td:last-child {

        text-align: left;

    }

</style>

<script>

    function validate() {

        var name =

        document.reg_form.name

        ; var email =

        document.reg_form.email

        ; var course =

        document.reg_form.cours

        e;

        if (name.value.length <= 0) {

            alert("Name is required");

            name.focus();

            return false;

        }

        if (email.value.length <= 0) {
```

```

        alert("Email Id is required");

        email.focus();

        return false;

    }

    if (course.value ==

        "select course") {

        alert("Course is

            required");

            course.focus();

            return false;

        }

        return false;

    }
</script>
</head>
<body>

    <center><h1>FEDERAL INSTITUTE OF SCIENCE AND

        TECHNOLOGY</h1></center> <hr>

    <form method="" action="" name="reg_form"

        onsubmit="return validate()"> <h2> Student Registration

        Form</h2>

        <table>

            <tr>

                <td><label> Name: </label></td>

                <td>

                    <input type="text" name="name" placeholder=" Name">

                </td>

            </tr>

        </table>

```

```

<tr>

<td><label>Address: </label></td>

<td>

<input type="textarea" size="50" name="address"

placeholder="Address"> </td>

</tr>

<tr>

<td><label>Gender: </label></td>

<td>

<input type="radio" name="gender" value="male">Male

<input type="radio" name="gender" value="femele">Female

</td>

</tr>

<tr>

<td><label>Email Id: </label></td>

<td>

<input type="text" name="email"

placeholder="example@gmail.com"> </td>

</tr>

<tr>

<td><label>Mobile: </label></td>

<td>

<input type="number" name="mobile">

</td>

</tr>

<tr>

<td><label>Course: </label></td>

<td>

<select name="course">

<option value="select course">select course</option>

```

```
        <option value="mca">MCA</option>
        <option value="mba">MBA</option>
        <option value="btech">BTECH</option>
        <option value="mtech">MTECH</option>
    </select>
</td>
</tr>
<tr>
    <td>
        <input type="submit" name="submit" value="Submit">
        <input type="reset" name="reset" value="Reset">
    </td>
</tr>
</table>
</form>
</body>
```



## Output

**FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY**

**Student Registration Form**

Name:

Address:

Gender: ☐ Male ☒ Female

Email Id:

Mobile:

Course:

**FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY**

**Student Registration Form**

Name:

Address:

Gender: ☐ Male ☒ Female

Email Id:

Mobile:

Course:

The screenshot shows a web browser window titled 'Reg Form' displaying the 'FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY' Student Registration Form. The form fields are: Name (empty), Mobile (9999999999), and Course (BTech). A validation error message box is displayed over the Name field, stating 'Name is required' with an 'OK' button. The browser's address bar shows a file path: 'file:///C:/Users/greyhat/Desktop/Notepad++/reg.html?name=&name=&address=ADADADD&gender=female&email=&mobile=&'. The Windows taskbar at the bottom shows the search bar and various application icons.

The screenshot shows the same 'FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY' Student Registration Form. In this instance, the 'Name' field is filled with 'anushka' and the 'Email' field is empty. A validation error message box is displayed over the Email field, stating 'Email is required' with an 'OK' button. The 'Mobile' field remains 9999999999 and the 'Course' remains BTech. The browser's address bar and Windows taskbar are identical to the previous screenshot.

**AIM**

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

**Program Code**

```
<html>

<head>

<title>

</title>

<style>

.myDiv {

    width: 500px;

    height: 1000px;

    position: absolute;

    top: 5%;

    left: 10%;

    background-color: #f9f089;

    text-align: center;

    border-style: groove;

    border-color: #ff9b99;

}

.myDiv1 {

    width: 500px;

    height: 1000px;

    position: absolute;

    top: 5%;

    left: 55%;
```

```

background-color: #ff9b99;

text-align: center;

border-style: groove;

border-color: #f9f089;

}

</style>

</head>

<body>

<div class="myDiv">

<br><br><h2><u>STRING&nbsp;&nbsp;&nbsp;FUNCTIONS</u></h2><br>

Enter a string <br><br><input type="text" name="fname" id="text1">

<br><br>

<button type="submit" style="height:25px; width:60px" value="Submit"
onclick="StringForm()">Submit</button>

<br><br>

<u>Output</u><br>

<p id="text2">

</p>

<p id="text3">

</p>

<p id="text4">

</p>

<p id="text5">

</p>

<p id="text6">

```

```

</p>

<p id="text7">

</p>

<p id="text8">

</p>

<p id="text9">

</p>

<p id="text10">

</p>

<p id="text11">

</p>

<p id="text12">

</p>

</div>

<div class="myDiv1">

<br><br><h2><u>MATH&nbsp;&nbsp;&nbsp;FUNCTIONS</u></h2><br>

Enter any digit<br><br><input type="number" id="qu" name="quantity">

<br><br>

<button type="submit" style="height:25px; width:60px" value="Submit"
onclick="MathForm()">Submit</button>

<br><br>

<u>Output</u><br><br>

<u>Constants</u><br>

<p id="text13">

</p>

<br><br>

```

<p id="textb">

</p>

<p id="textc">

</p>

<p id="textd">

</p>

<p id="texte">

</p>

<p id="textf">

</p>

<p id="textg">

</p>

<p id="texth">

</p>

<p id="texti">

</p>

<p id="textj">

</p>

<p id="textk">

</p>

<p id="textl">

</p>

<p id="textm">

</p>

</div>

```
</body>

<script>

function StringForm() {

let text = document.getElementById("text1").value;

let length = text.length;

let part = text.slice(3,5);

let sub = text.substring(4,6);

let subs = text.substr(-1);

let re = text.replace("Adarsh","M");

let rep = text.replaceAll("m","M");

let up = text.toUpperCase();

let lo = text.toLowerCase();

let co = text.concat("", "M");

let tr = text.trim();

let ch = text.charAt(2);

document.getElementById("text2").innerHTML = "The String Length is : " + length;

document.getElementById("text3").innerHTML = "The Sliced String from 3rd to 5th  
position is : " + part;

document.getElementById("text4").innerHTML = "The Sub String from 4th to 6th position is  
: " + sub;

document.getElementById("text5").innerHTML = "The Subpart of the String is : " + subs;

document.getElementById("text6").innerHTML = "The replaced String is : " + re;

document.getElementById("text7").innerHTML = "The replaceAll String is : " + rep;

document.getElementById("text8").innerHTML = "The Uppercased String is : " + up;

document.getElementById("text9").innerHTML = "The Lowercased String is : " + lo;

document.getElementById("text10").innerHTML = "The concated String is : " + co;
```

```

document.getElementById("text11").innerHTML = "The Trimed String is : " + tr;

document.getElementById("text12").innerHTML = "The Character at 2nd position of the
String is : " + ch;

return true;

}

function MathForm() {

let text = document.getElementById("qu").value;

let ro = Math.round(text);

let ce = Math.ceil(text);

let fl = Math.floor(text);

let tu = Math.trunc(text);

let si = Math.sign(text);

let po = Math.pow(text,2);

let sq = Math.sqrt(text);

let ab = Math.abs(text);

let sin = Math.sin(text * Math.PI / 180);

let cos = Math.cos(text * Math.PI / 180);

let min = Math.min(0, 150, 30, 20, -8, -200);

let max = Math.max(0, 150, 30, 20, -8, -200);

let ra = Math.random();

let l = Math.log(text);

document.getElementById("texta").innerHTML = "<p><b>Math.E:</b> " + Math.E +
"</p>" +

"<p><b>Math.PI:</b> " + Math.PI + "</p>" +

"<p><b>Math.LN10:</b> " + Math.LN10 + "</p>" +

"<p><b>Math.LOG2E:</b> " + Math.LOG2E + "</p>"

```



```
document.getElementById("textb").innerHTML = "The Rounded value is " + ro;

document.getElementById("textc").innerHTML = "The Rounded value using ceil function is " + ce;

document.getElementById("textd").innerHTML = "The Rounded value using floor function is " + fl;

document.getElementById("texte").innerHTML = "The Rounded value using truncate function is " + tu;

document.getElementById("textf").innerHTML = "The sign of the value is " + si;

document.getElementById("textg").innerHTML = "The power of the value with 2 is " + po;

document.getElementById("texth").innerHTML = "The sin value for the angle given is " + sin;

document.getElementById("texti").innerHTML = "The cos value for the angle given is " + cos;

document.getElementById("textj").innerHTML = "The min value for the given values(0,150,30,20,-8,-200) is " + min;

document.getElementById("textk").innerHTML = "The max value for the given values(0,150,30,20,-8,-200) is " + max;

document.getElementById("textl").innerHTML = "The random value between 0 and 1 is " + ra;

document.getElementById("textm").innerHTML = "The log value for the given number is " + l;

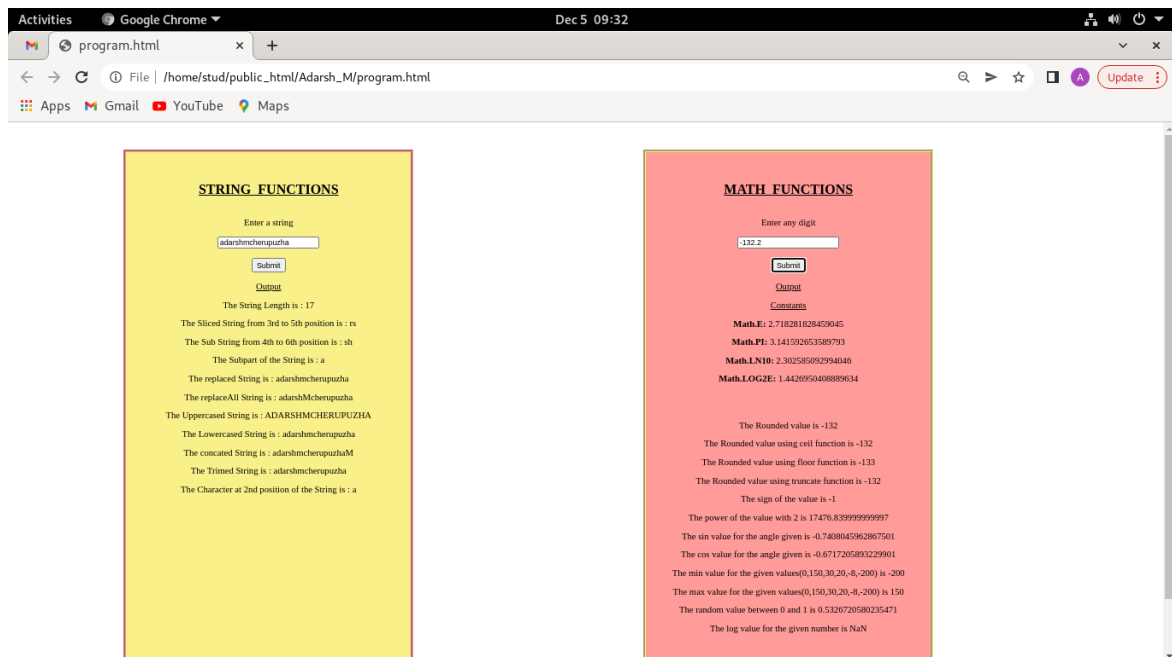
return true;

}

</script>

</html>
```

## Output



**AIM**

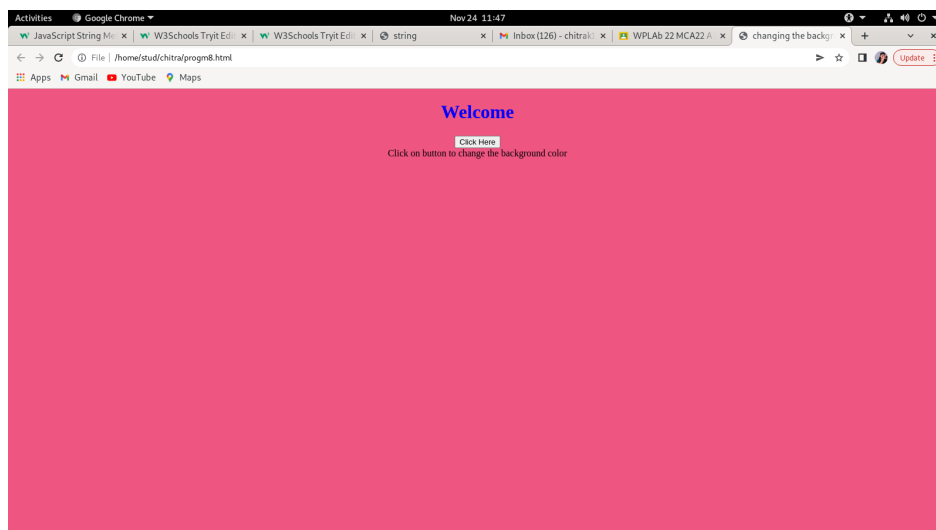
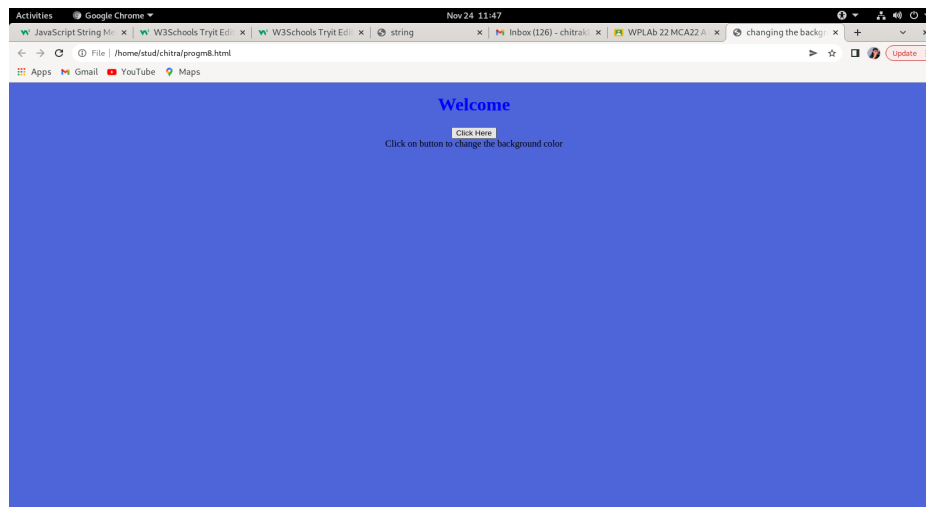
Create a HTML page to change the background color for every click of a button using JavaScript Event Handling.

**Program Code**

```
<!DOCTYPE HTML>
<html>
<head>
<title>
changing the background color
</title>
</head>
<body style = "text-align:center;">
<h1 style = "color:blue;" >
Welcome
</h1>
<button type="button" id="color-button" onclick="changeBg()">Click Here
</button>
<br>
<script>
document.writeln( "Click on button to change the background color");
const pageBody = document.querySelector("body");
function changeBg()
{
let color = '#'+(Math.random()*0xFFFFFFFF<<0).toString(16);

pageBody.style.background = color;
}
</script>
</body>
</html>
```

## Output



**AIM**

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

**Program Code**

```
<html>
<head><title>PHP - Calculate Electricity Bill</title></head>
<?php
$result_str = $result = "";
if (isset($_POST['billsubmit'])) {
    $units = $_POST['units'];
    if (!empty($units)) {
        $result = calculate_amount($units);
        $result_str = 'Total amount For ' . $units . ' units is: ' . $result; }}

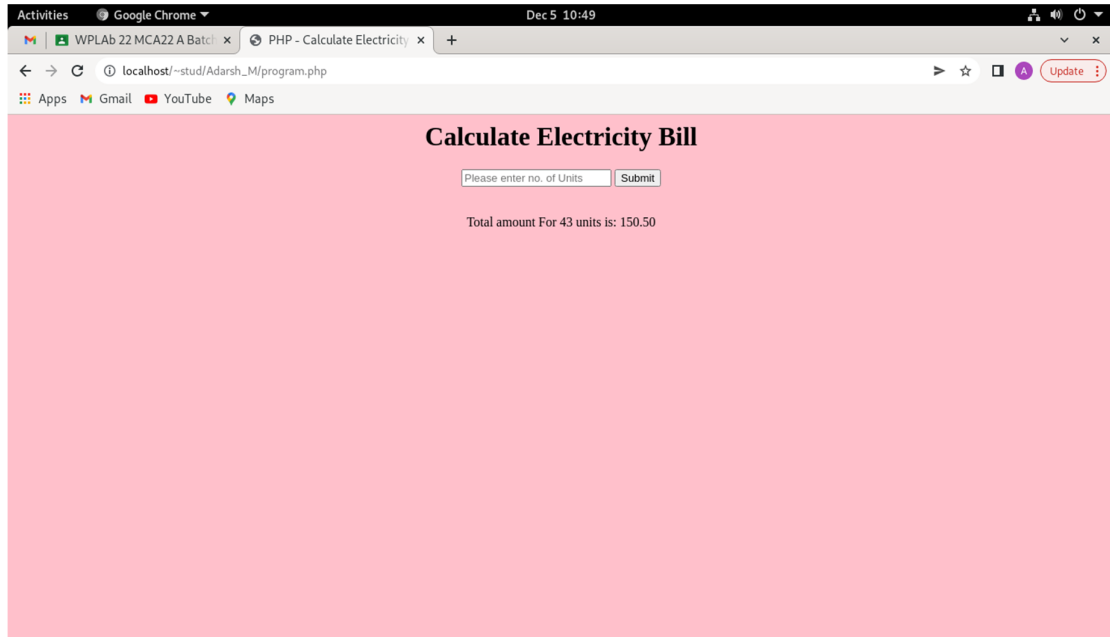
function calculate_amount($units) {
    $unit_cost_one = 3.50;
    $unit_cost_two = 4.50;
    $unit_cost_three = 5.50;
    if($units<=50){
        $amount= $units * $unit_cost_one;}
    elseif($units<=100 && $units>50){
        $amount= $units * $unit_cost_two;}
    else{
        $amount= $units * $unit_cost_three;}
    return number_format((float)$amount,2,'.',''); } ?>

<body bgcolor="pink"><center>
    <div id="page-wrap">
        <h1>Calculate Electricity Bill</h1>

        <form action="" method="post" id="billform">
            <input type="number" name="units" id="units" placeholder="Please enter no.
of Units" />
            <input type="submit" name="billsubmit" id="billsubmit" value="Submit" />
        </form>

        <div>
            <?php echo '<br />' . $result_str; ?>
        </div>
    </div></center>
</body>
</html>
```

## Output



**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.

**Program Code**

```
<html> <head> <title>Program 10</title> </head>
<body> <h2>Student Names</h2> <?php
if(!isset($_POST['submit']))
{
?>
<form name="billform" method="POST" >
<strong>Enter Name 1: </strong><input type="text" name="name1" required> <br><br>
<strong>Enter Name 2: </strong><input type="text" name="name2" required> <br><br>
<strong>Enter Name 3: </strong><input type="text" name="name3" required> <br><br>
<strong>Enter Name 4: </strong><input type="text" name="name4" required> <br><br>
<strong>Enter Name 5: </strong><input type="text" name="name5" required> <br><br>
<input type="submit" name="submit" value="Submit"> <input type="reset" name="reset"
value="Reset"> </form>
<?php}
else
{ $names[0]=$_POST['name1'];
$names[1]=$_POST['name2'];
$names[2]=$_POST['name3'];
$names[3]=$_POST['name4'];
$names[4]=$_POST['name5'];
?> <strong>Names: </strong> <?php
print_r($names); ?>
<br><br> <strong>Names in ascending order: </strong> <?php
asort($names);
print_r($names); ?> <br><br>
<strong>Names in descending order: </strong> <?php
arsort($names);
print_r($names);
}
?>
</body>
</html>
```

## Output



Activities Google Chrome Dec 12 10:15

Program 10 x +

localhost/~stud/Adarsh\_M/program1.php

Apps Gmail YouTube Maps

### Student Names

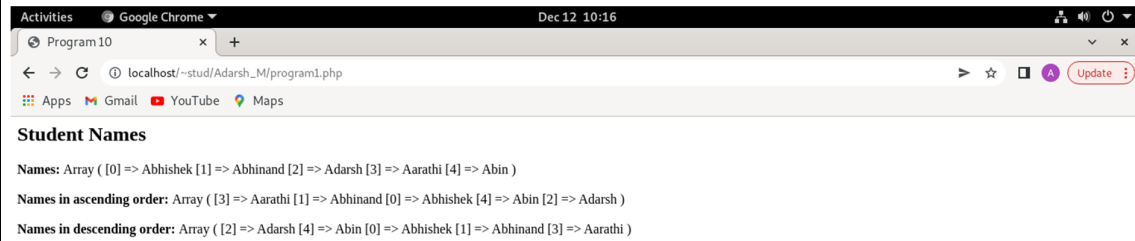
Enter Name 1:

Enter Name 2:

Enter Name 3:

Enter Name 4:

Enter Name 5:



Activities Google Chrome Dec 12 10:16

Program 10 x +

localhost/~stud/Adarsh\_M/program1.php

Apps Gmail YouTube Maps

### Student Names

Names: Array ( [0] => Abhishek [1] => Abhinand [2] => Adarsh [3] => Aarathi [4] => Abin )

Names in ascending order: Array ( [3] => Aarathi [1] => Abhinand [0] => Abhishek [4] => Abin [2] => Adarsh )

Names in descending order: Array ( [2] => Adarsh [4] => Abin [0] => Abhishek [1] => Abhinand [3] => Aarathi )



**AIM**

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

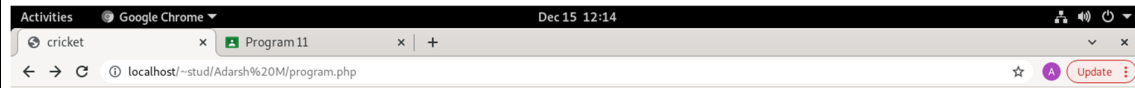
**Program Code****page1.php**

```
<html><head><title>cricket</title></head><body>
<h1 align="center">Enter the name of 5 Indian Cricket Player</h1><br>
<form action="program1.php" method="post">
<table align="center">
<tr><th>Player 1</th><td><input type="text" name="p1" id="p1"></td></tr>
<tr><th>Player 2</th><td><input type="text" name="p2" id="p2"></td></tr>
<tr><th>Player 3</th><td><input type="text" name="p3" id="p3"></td></tr>
<tr><th>Player 4</th><td><input type="text" name="p4" id="p4"></td></tr>
<tr><th>Player 5</th><td><input type="text" name="p5" id="p5"></td></tr>
<tr><th></th><td><input type="Submit" name="Submit"></td></tr></table>
</form></body>
</html>
```

**page2.php**

```
<html>
<?php
$pl1=$_REQUEST["p1"];
$pl2=$_REQUEST["p2"];
$pl3=$_REQUEST["p3"];
$pl4=$_REQUEST["p4"];
$pl5=$_REQUEST["p5"];
$arr=array("$pl1","$pl2","$pl3","$pl4","$pl5");?><center>
<?php echo"The names of 5 indian cricket players<br><br>";?></center>
<center><table border="1">
<tr><th>Player 1</th><td><?php echo $pl1 ?></td></tr>
<tr><th>Player 2</th><td><?php echo $pl2 ?></td></tr>
<tr><th>Player 3</th><td><?php echo $pl3 ?></td></tr>
<tr><th>Player 4</th><td><?php echo $pl4 ?></td></tr>
<tr><th>Player 5</th><td><?php echo $pl5 ?></td></tr></table>
</center>
</html>
```

## Output



Enter the name of 5 Indian Cricket Player

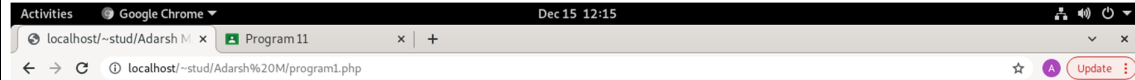
Player 1

Player 2

Player 3

Player 4

Player 5



The names of 5 Indian cricket players

Player 1	KL Rahul
Player 2	Rohit Sharma
Player 3	Virat kohli
Player 4	Sreyas Iyer
Player 5	Raveendra Jadeja

**AIM**

Outline a registration form using PHP and do necessary validations.

**Program Code**

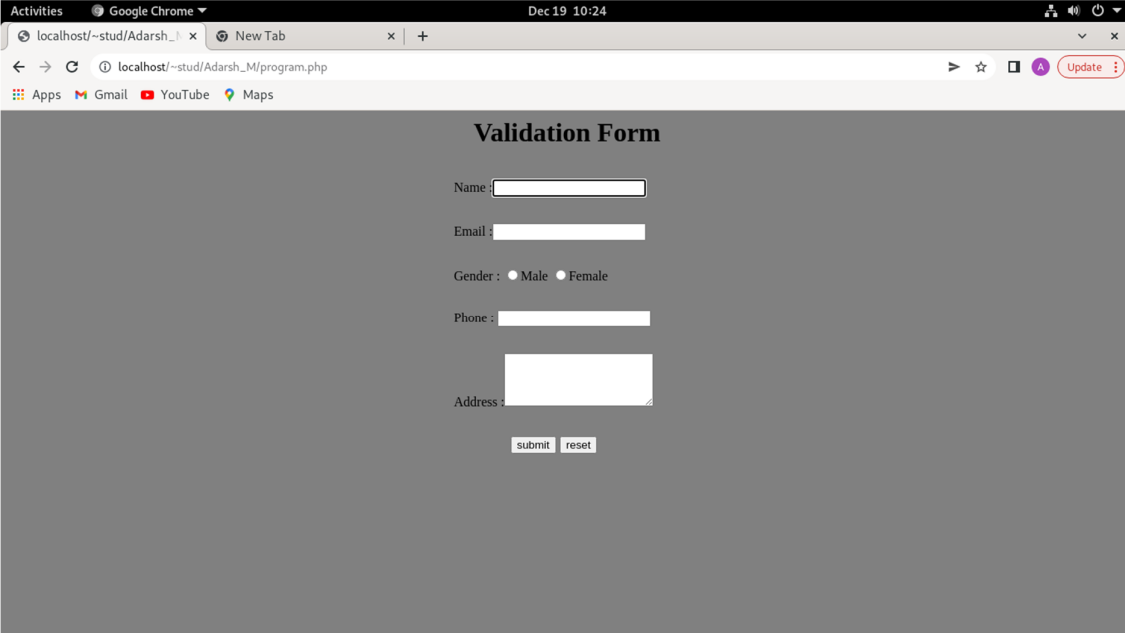
```
<?php
$name = $email = $gender = $address = $phone = $gender = "";
$name1 = $email1 = $gender1 = $address1 = $phone1 = $gender1 = "";
if (isset($_POST["submit"]))
{if (empty($_POST["fname"]))
{$name = "Name is required";}
else
{$name1 = $_POST["fname"];}
if (empty($_POST["email"]))
{$email = "Email is required";}
else
{$email1 = $_POST["email"];}
if (empty($_POST["address"]))
{$address = "Address is required";}
else
{$address1 = $_POST["address"];}
if (empty($_POST["gender"]))
{$gender = "Gender is required";}
else
{$gender1 = $_POST["gender"];}
if (empty($_POST["phone"]))
{$phone = "phone is required";}
else
{$phone1 = $_POST["phone"];}}
?>
<html><head><style>.error {color: #FF0000;}
td{padding:15px;}
</style></head><center><body bgcolor="grey">
<table ><form method="post" action="#">
<h1>Validation Form</h1>
<tr><td>Name :<input type="text" name="fname"></td>
<td><span class="error"><?php echo $name;?></span></td></tr><tr>
<td>Email :<input type="text" name="email"></td>
<td><span class="error"><?php echo $email;?></span></td></tr>
<td>Gender : <input type="radio" name="gender" value="male">Male
<input type="radio" name="gender" value="female">Female</td>
<td><span class="error"><?php echo $gender;?></span></td>
</tr><tr><td>Phone : <input type="text" name="phone"></td>
<td><span class="error"><?php echo $phone;?></span> </td></tr>
<tr><td>Address :<textarea rows="4" cols="20" name="address"></textarea></td>
```

```

<td><span class="error"><?php echo $address;?></span></td></tr>
<tr><td><center><input type="submit" name="submit" value="submit">
<input type="reset" name="reset" value="reset"></center></td></tr>
</table>
</form>
<?php
if(isset($_POST['submit'])) {
if($name == "" && $email== "" && $phone == "" && $gender== "" && $address == "")
{
echo "<h3 color = #FF0001> <b>You have sucessfully registered.</b> </h3>";
echo "<h2>Your Input:</h2>";
echo "Name: " . $name1;
echo "<br>";
echo "Email: " . $email1;
echo "<br>";
echo "Phone No: " . $phone1;
echo "<br>";
echo "Address: " . $address1;
echo "<br>";
echo "Gender: " . $gender1;}
else
{echo "<h3> <b>You didn't filled up the form correctly.</b> </h3>";}}
?>
</body>
</html>

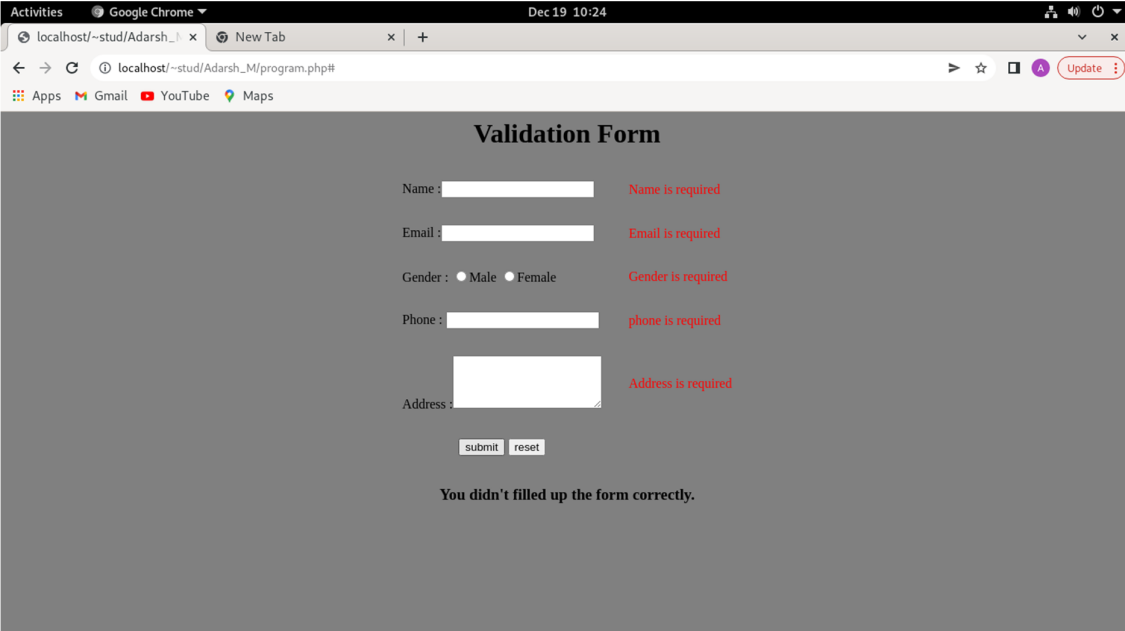
```

## Output



A screenshot of a web browser window displaying a 'Validation Form'. The browser's address bar shows the URL 'localhost/~stud/Adarsh\_M/program.php'. The form is centered on a dark gray background and contains the following elements:

- Name :** A text input field.
- Email :** A text input field.
- Gender :** Two radio buttons labeled 'Male' and 'Female'.
- Phone :** A text input field.
- Address :** A larger text input field.
- submit** and **reset** buttons at the bottom.



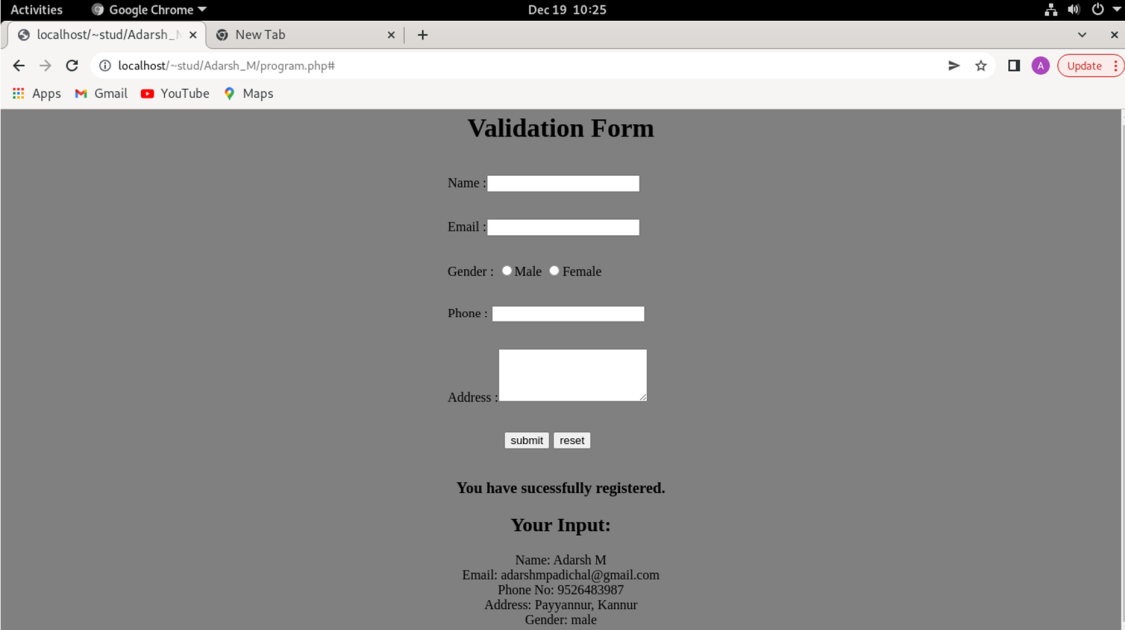
A second screenshot of the same web browser window, showing the 'Validation Form' after an attempt to submit. Red error messages are displayed next to each input field, indicating that all fields are required. Below the form, a message states: 'You didn't filled up the form correctly.'

**Validation Form**

- Name :** Name is required
- Email :** Email is required
- Gender :** Gender is required
- Phone :** phone is required
- Address :** Address is required

**submit** **reset**

**You didn't filled up the form correctly.**



The screenshot shows a Google Chrome browser window with the address bar displaying 'localhost/~stud/Adarsh\_M/program.php#'. The page content is a 'Validation Form' on a grey background. The form includes input fields for Name, Email, Phone, and Address, along with radio buttons for Gender (Male/Female). Below the form are 'submit' and 'reset' buttons. A confirmation message states 'You have successfully registered.' followed by a section titled 'Your Input:' which lists the user's details: Name: Adarsh M, Email: adarshmpadichal@gmail.com, Phone No: 9526483987, Address: Payyannur, Kannur, and Gender: male.

**Validation Form**

Name :

Email :

Gender : ☒ Male ☐ Female

Phone :

Address :

**You have successfully registered.**

**Your Input:**

Name: Adarsh M  
Email: adarshmpadichal@gmail.com  
Phone No: 9526483987  
Address: Payyannur, Kannur  
Gender: male

**AIM**

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

**Program Code****HTML code:**

```
<html><head><title>Add Employee</title></head>
<body><h1 align="center">Add Employee</h1>
<form action="emplact.php" method="post">
<table align="center">
<tr><th>Employee Id</th><td><input type="text" name="id"></td></tr>
<tr><th>Employee Name</th><td><input type="text" name="name"></td></tr>
<tr><th>Employee Age</th><td><input type="text" name="age"></td></tr>
<tr><th>Department</th><td><input type="text" name="dept"></td></tr>
<tr><th></th><td><input type="Submit" name="Submit"></td></tr>
</table></form></body></html>
```

**PHP code:**

```
<?php
$eid=$_REQUEST['id'];
$name=$_REQUEST['name'];
$age=$_REQUEST['age'];
$dep=$_REQUEST['dept'];

$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{echo"Failed to connect";}
else
{echo"Connected\n";}
$sql="INSERT INTO employee VALUES($eid,$name,$age,$dep)";
if ($con->query($sql) == true)
{echo "\n New employee is added.\n";}
else
{echo "ERROR: Could not execute query: $sql. " . $con->error;}
$sql1="SELECT *FROM employee";
if($result=$con->query($sql1))
{if($result->num_rows>0)
{echo"<table border=2>";
echo " <tr> <th>Employee Id</th><th>Employee Name</th> <th>Age</th>
<th>Department</th> </tr>";

while($row=$result->fetch_array())
```

```

{
echo "<tr>
<td>$row[0]</td>
<td>$row[1]</td>
<td>$row[2]</td>
<td>$row[3]</td>
</tr>";
}
echo "</table>";
$result->close();
}
else
{
echo "\nNot Found";
}
}
$con->close();
?>

```

### linkpage.html

```

<html>
<head>
<title>Employee Page</title>
</head>
<body>
<h1 align="center">EMPLOYEE PAGE</h1>

<br>
<table align="center">
<tr>
<th>
<a href="empl.html">Add Employee</a>
</th>
</tr>
<tr>
<th>
<a href="emplact.php">Display Employee</a>
</th>
</tr>
</table>
</body>
</html>

```



**Output:**

## EMPLOYEE PAGE

[Add Employee](#)  
[Display Employee](#)

### Add Employee

Employee Id	<input type="text"/>
Employee Name	<input type="text"/>
Employee Age	<input type="text"/>
Department	<input type="text"/>
<input type="button" value="Submit Query"/>	

```
MariaDB [fisatdb]> select*from employee;
```

```
+-----+-----+-----+-----+
| employee_id | employee_name | age | department |
+-----+-----+-----+-----+
|          121 | Lekshmi       | 21  | HR          |
|          123 | Rekha        | 26  | Sales       |
|          224 | Ram          | 46  | Production  |
|          254 | Ajay         | 32  | Marketing   |
+-----+-----+-----+-----+
4 rows in set (0.000 sec)
```

```
MariaDB [fisatdb]> █
```

## Employee Details

Employee Id	Employee Name	Age	Department
121	Lekshmi	21	HR
123	Rekha	26	Sales
224	Ram	46	Production
254	Ajay	42	Marketing

**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.

**Program Code****main.html**

```
<html>
<head>
<title>BOOK INFO</title>
</head>
<body align="center"><u>BOOK INFORMATION SYSTEM</u><br>
<a href="addinfo.html">Add Book DETAILS</a><br>
<a href="search1.html">Search Book DETAILS</a><br>
</body>
</html>
```

**addinfo.html**

```
<html><head>
<title>add Book details</title></head>
<body>
<form name="frm1" action="addbooks.php" method="POST">
<center><b><u>Enter Book Details</u></b><br><br><br>
Accession Number:<input type="number" name="id"><br><br>
Title:<input type="text" name="title"><br><br>
Authors: <input type="text" name="authors"><br><br>
Edition: <input type="text" name="edition"><br><br>
Publisher: <input type="text" name="publisher"><br><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</form>
</body>
</html>
```

**addbooks.php**

```
<?php
$id=$_POST['id'];
$title=$_POST['title'];
$authors=$_POST['authors'];
$edition=$_POST['edition'];
$publisher=$_POST['publisher'];
```

```

$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected";
}
$sql="INSERT INTO bookinfo
VALUES($id,$title,$authors,$sedition,$publisher)";
if($con->query($sql))
{

echo "<BR>";
echo 'New row added';
}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>

```

### search1.html

```

<html>
<head>
<title>search</title>
</head>
<body>
<form name="frm2" action="search1.php"method="POST">
<center>
<b><u>SEARCH BOOK</u></b><br>
BOOK TITLE:<input type="text" name="txt"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>

```

### search1.php

```

<?php
$txt=$_POST['txt'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";

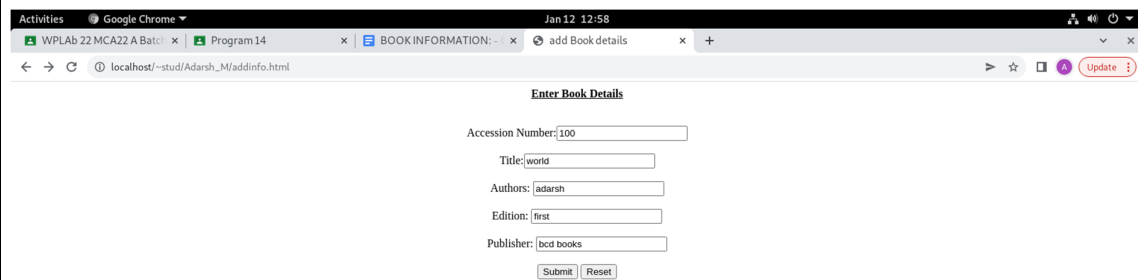
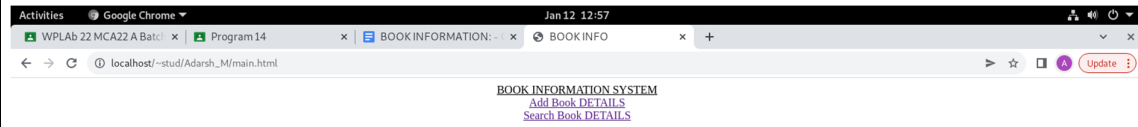
```

```

}
else
{
echo "connected";
}?<br><?php
$sql="select * from bookinfo where title='$txt'";
if($result=$con->query($sql))
{
if($result->num_rows>0)
{
while($row=$result->fetch_array())
{
echo "ACCESSION NUMBER:". $row[0]; ?><br><?php echo "TITLE:". $row[1];
?><br><?php echo "AUTHOR:". $row[2]; ?><br><?php echo "EDITION:". $row[3];
?><br><?php echo "PUBLISHER:". $row[4]; ?><br><br><br><?php
}
$result->close();
}
}
else
{
echo "\nCould not found the book";
}
}

else
{
echo "\nError:could not connect";
}
$con->close();
?>

```

**Output:**



The screenshot shows a web browser window at the top and a terminal window at the bottom. The browser window displays the output of a search script, showing three book records. The terminal window shows the execution of SQL queries in MariaDB, displaying the same three book records in a tabular format.

**Browser Window Output:**

```
connected
ACCESSION NUMBER:100
TITLE:world
AUTHOR:adarsh
EDITION:first
PUBLISHER:bcd books

ACCESSION NUMBER:123458
TITLE:world
AUTHOR:ajay
EDITION:second
PUBLISHER:cde books

ACCESSION NUMBER:100
TITLE:world
AUTHOR:adarsh
EDITION:first
PUBLISHER:bcd books
```

**Terminal Window Output:**

```
stud@debian: ~/public_html/Adarsh_M
+-----+
| 123456 | Don Quixote | Miguel de Cervantes | first | abc books |
| 100    | world      | adarsh              | first | bcd books |
| 123458 | world      | ajay                | second | cde books |
+-----+
3 rows in set (0.000 sec)

MariaDB [fisatdb]> select * from bookinfo where title='world';
+-----+
| accessno | title | authors | edition | publisher |
+-----+
| 100      | world | adarsh  | first   | bcd books |
| 123458   | world | ajay    | second  | cde books |
+-----+
2 rows in set (0.001 sec)

MariaDB [fisatdb]> select * from bookinfo;
+-----+
| accessno | title      | authors      | edition | publisher |
+-----+
| 123456   | Don Quixote | Miguel de Cervantes | first   | abc books |
| 100      | world      | adarsh       | first   | bcd books |
| 123458   | world      | ajay         | second  | cde books |
| 100      | world      | adarsh       | first   | bcd books |
+-----+
4 rows in set (0.001 sec)

MariaDB [fisatdb]> select * from bookinfo where title='world';
+-----+
| accessno | title | authors | edition | publisher |
+-----+
| 100      | world | adarsh  | first   | bcd books |
| 123458   | world | ajay    | second  | cde books |
| 100      | world | adarsh  | first   | bcd books |
+-----+
3 rows in set (0.001 sec)

MariaDB [fisatdb]>
```

**AIM**

Using PHP and MySQL, develop a program to collect airline details and display all the airlines between a particular source and destination.

**Program Code****airlineinfo.html**

```
<html>
<head>
<title>airline</title>
</head>
<body align="center"><u>AIRLINE INFORMATION SYSTEM</u><br>
<a href="add.html">ADD AIRLINE DETAILS</a><br>
<a href="search.html">SEARCH AIRLINE DETAILS</a><br>
</body>
</html>
```

**add.html**

```
<html><head>
<title>add airline</title></head>
<body>
<form name="frm1" action="add.php" method="POST">
<center><b><u>Enter Airline Details</u></b><br>
AIRLINE ID:<input type="number" name="id"><br>
AIRLINE NAME:<input type="text" name="name"><br>
DEPARTURE FROM:<input type="text" name="depfrom"><br>
DEPARTURE TIME:<input type="text" name="deptime"><br>
ARRIVAL TIME:<input type="text" name="aritime"><br>
ARRIVAL PLACE:<input type="text" name="ariplace"><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</form>
</body>
</html>
```

**add.php**

```
<?php
$id=$_POST['id'];
$name=$_POST['name'];
$depfrom=$_POST['depfrom'];
$deptime=$_POST['deptime'];
$aritime=$_POST['aritime'];
$ariplace=$_POST['ariplace'];
```



```

$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected";
}
$sql="INSERT INTO airline
VALUES($id,$name,$depfrom,$deptime,$aritime,$ariplace)";
if($con->query($sql))
{
echo "<BR>";

echo 'New row added';
}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>

```

### **search.html**

```

<html>
<head>
<title>search</title>
</head>
<body>
<form name="frm2" action="search.php"method="POST">
<center>
<b><u>SEARCH AIRLINE</u></b><br>
DEPARTURE FROM:<input type="text" name="txt"><br>
ARRIVAL PLACE:<input type="text" name="txt1"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>

```

### **search.php**

```

<?php
$depfrom=$_POST['txt'];
$ariplace=$_POST['txt1'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");

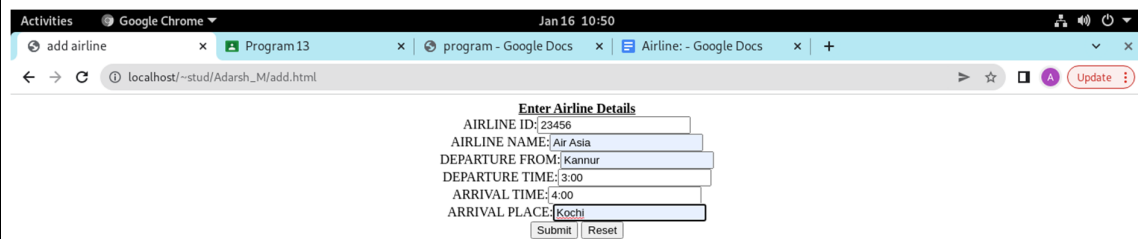
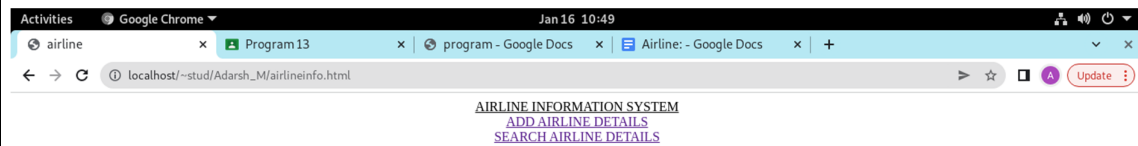
```

```

if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected";?><br><br><?php
}
$sql="select * from airline where depfrom='$depfrom' and ariplace='$ariplace' ";
if($result=$con->query($sql))
{
if($result->num_rows>0)
{
while($row=$result->fetch_array())
{
echo $row[0]; ?><br><?php echo $row[1]; ?><br><?php echo $row[2]; ?><br><?php echo
$row[3]; ?><br><?php echo $row[4];?><br><br><br><br><?php
}
$result->close();
}
else
{
echo "\nCould not found the airline";
}
}

else
{
echo "\nError:could not connect";
}
$con->close();
?>

```

**Output:**

SEARCH AIRLINE

DEPARTURE FROM: Kannur

ARRIVAL PLACE: Kochi

Submit

connected

12345  
Air India  
Kannur  
12:00  
1:00

23456  
Air Asia  
Kannur  
3:00  
4:00

```

Activities Terminal Jan 16 10:52
stud@debian: ~/public_html/Adarsh_M

| 12345 | Air India | Kannur | 12:00 | 1:00 | Kochi |
+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [fisatdb]> select * from airline;
+-----+-----+-----+-----+-----+
| id | name | depfrom | deptime | aritime | ariplace |
+-----+-----+-----+-----+-----+
| 12345 | Air India | Kannur | 12:00 | 1:00 | Kochi |
| 12346 | Qatar Airways | Kochi | 2:00 | 5:00 | Chennai |
| 12347 | Fly Emarites | Kochi | 7:00 | 8:00 | Kannur |
+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [fisatdb]> select * from airline;
+-----+-----+-----+-----+-----+
| id | name | depfrom | deptime | aritime | ariplace |
+-----+-----+-----+-----+-----+
| 12345 | Air India | Kannur | 12:00 | 1:00 | Kochi |
| 12346 | Qatar Airways | Kochi | 2:00 | 5:00 | Chennai |
| 12347 | Fly Emarites | Kochi | 7:00 | 8:00 | Kannur |
| 12348 | Air Asia | Kochi | 7:00 | 9:00 | Chennai |
+-----+-----+-----+-----+-----+
4 rows in set (0.000 sec)

MariaDB [fisatdb]> select * from airline;
+-----+-----+-----+-----+-----+
| id | name | depfrom | deptime | aritime | ariplace |
+-----+-----+-----+-----+-----+
| 12345 | Air India | Kannur | 12:00 | 1:00 | Kochi |
| 12346 | Qatar Airways | Kochi | 2:00 | 5:00 | Chennai |
| 12347 | Fly Emarites | Kochi | 7:00 | 8:00 | Kannur |
| 12348 | Air Asia | Kochi | 7:00 | 9:00 | Chennai |
| 23456 | Air Asia | Kannur | 3:00 | 4:00 | Kochi |
+-----+-----+-----+-----+-----+
5 rows in set (0.000 sec)

MariaDB [fisatdb]>

```