**FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)TM**

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



**FOCUS ON EXCELLENCE**

**20MCA133 WEB PROGRAMMING LAB**

**LABORATORY RECORD**

**Name: ANNAROSE VARGHESE**

**Branch: MASTER OF COMPUTER APPLICATIONS**

**Semester: 1 Batch: A Roll No: 29**

**University Registration Number: FIT21MCA-2027**

**MARCH 2022**

**FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)TM**

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



**FOCUS ON EXCELLENCE**

**CERTIFICATE**

*This is to certify that this is a Bonafide record of the Practical work done by* ***ANNAROSE VARGHESE(FIT21MCA-2027)*** *in the* ***20MCA133 WEB PROGRAMMING LAB*** *Laboratory**towards the partial fulfilment for the award of the Master Of Computer Applications during the academic year 2021-2022.*

Signature of Staff in Charge Signature of H O D

Name: Name:

**Date of University practical examination ………………………**

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| **1** | **01/11/2021** | Create a simple html file to demonstrate the use of different tags. | **3** |  |
| **2** | **01/11/2021** | Create your bio data by using the html tags for hyperlinks, images, table, frame and fonts. Make it attractive by using the various color elements. The design should contain a minimum of 3 hyperlinks | **6** |  |
| **3** | **08/11/2021** | Create an application form for MCA course in FISAT. | **9** |  |
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| **10** | **10/01/2022** | Compose Electricity bill from user input based on a given tariff using PHP. | **43** |  |
| **11** | **10/01/2022** | 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. | **46** |  |
| **12** | **10/01/2022** | Build a PHP code to store name of Indian Cricket players in an array and display the same in HTML table. | **49** |  |
| **13** | **17/01/2022** | 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 | **51** |  |
| **14** | **17/01/2022** | Using PHP and MySQL, develop a program to collect airline details and display all the airlines between a particular source and destination. | **57** |  |

**No: 1**

**Aim**: Create a simple html file to demonstrate the use of different tags.

**Source code**

<!DOCTYPE html>

<html>

<body style="background-color:darksalmon;">

<h1 style="background-color:khaki;"><CENTER>THRISSUR</CENTER></h1>

<img src="C:\Users\VARGHESE\Desktop\FISAT\thr.jpg" alt="THRISSUR" width="1800" height="500">

<p style="background-color:lightsalmon;"><b>Thrissur</b><strong> is a city in the south Indian state of Kerala. It's known for sacred sites and colorful festivals. In the center is Vadakkumnathan Temple, dedicated to Lord Shiva and adorned with murals. The ornate, Indo-Gothic Our Lady of Dolours Basilica is nearby. To the north, Thiruvambady Temple is home to several elephants.Sakthan Thampuran Palace houses an archaeology museum with bronze statues and ancient coins.</P></strong>

<h2>FAMOUS FESTIVES</h2>

<ul>

<li>Thrissur pooram</li>

<li>Kodagallur Barani</li></ul>

<center><img src="C:\Users\VARGHESE\Desktop\FISAT\pooram.jpg" alt="THRISSUR pooram" width="400" height="200"></center>

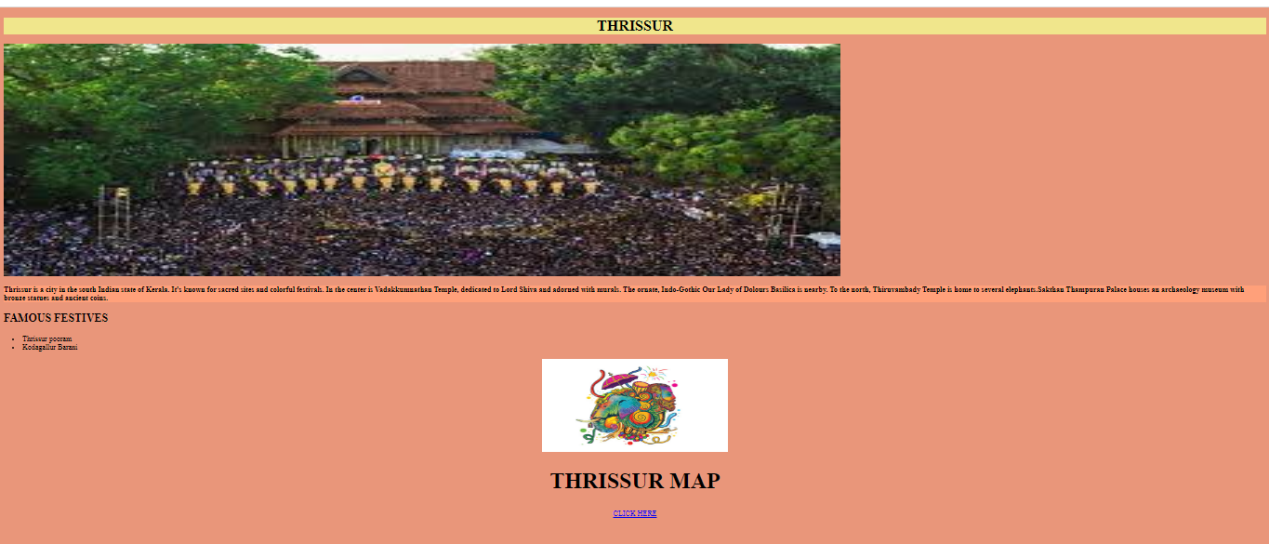
<center><h1 style="font-size:300%;">THRISSUR MAP</h1></center>

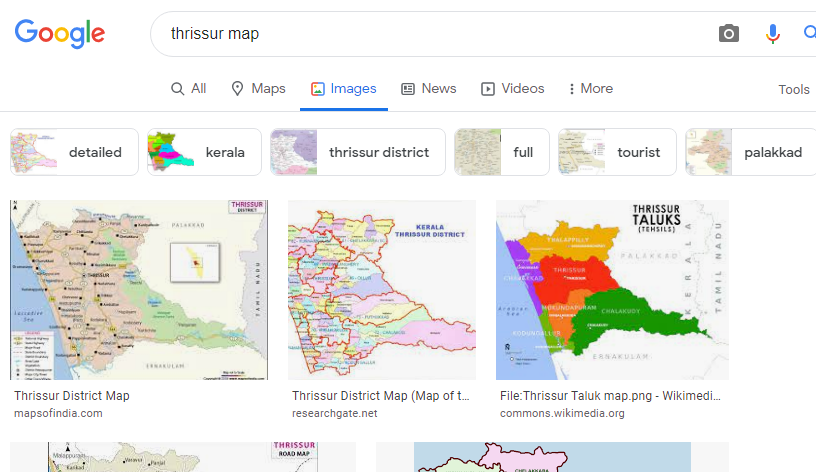
<p><center><a href="https://www.google.com/search?q=thrissur+map&sxsrf=AOaemvK1fREYEqPCQnawm75nt4mXH\_-KgQ:1635872131916&tbm=isch&source=iu&ictx=1&fir=sGcoGmIpyHMzJM%252CZK0\_hSa6ObtFKM%252C\_%253Bg7TMUz6TJaFV1M%252CCtzajXPXsLwSOM%252C\_%253BQz2kkhNwnxZqyM%252Cty-eFIweYFXEcM%252C\_%253BntakC28ZSSsd7M%252CHWmIxn5s900djM%252C\_%253B8PSWKLav8pYj5M%252CcoxEEaWcHyCNIM%252C\_%253BFfU1ZNP1bACeZM%252CI3fcNbVyFpNdoM%252C\_%253BXtLKUGYSKCfbtM%252CJgcNqZQlPFqC0M%252C\_%253B2FRovovYpw6dPM%252CZB\_CuaprVGJZrM%252C\_%253BNUGHrmFAHGnOxM%252CevBJCWK4Z7E38M%252C\_%253BVHJ\_axiS7o3cBM%252CUm2wUE4muu8X9M%252C\_%253BizgPZwBir\_wqwM%252C0WektKZ3prB0FM%252C\_%253Bp9-Y\_dAZ-lsUYM%252CmtbtAf5KffP1bM%252C\_%253BBbFOrYot4O4g3M%252ChfKrJPG6oCF-TM%252C\_&vet=1&usg=AI4\_-kStFD9aogJoII5IOuXI0VzG9nUomQ&sa=X&ved=2ahUKEwiYg8jKkvrzAhVJzzgGHeHZCCQQ9QF6BAgGEAE#imgrc=8PSWKLav8pYj5M/">CLICK HERE</a></p></center>

</body>

</html>

**Output**

****



**No: 2**

**Aim**: Create your bio data by using the html tags for hyperlinks, images, table, frame and fonts. Make it attractive by using the various color elements. The design should contain a minimum of 3 hyperlinks

**Source code**

Biodata.html

<html>

<head>

<body>

<h1 style="background-color:rgb(175, 147, 143);"><center>BIO-DATA</center></h1>

<table width="120" border="2" align="center">

<tr>

<td colspan="2" align="right"><img src="https://static.wikia.nocookie.net/wreckitralph/images/a/ac/Vanellopewirdisney.png/revision/latest?cb=20140401164917" height="500" width="500">

</td>

</tr>

<tr>

<td>NAME:</td>

<td>ANNAROSE VARGHESE</td>

</tr>

<tr>

<td>NATIONALITY:</td>

<td>INDIAN</td>

</tr>

<tr>

<td>FATHER&#39;S NAME:</td>

<td>V.J VARGHESE</td>

</tr>

<tr>

<td>MOTHER&#39;S NAME:</td>

<td>LISSY VARGHESE</td>

</tr>

<tr>

<td>NATIONALITY:</td>

<td>INDIAN</td>

</tr>

<tr>

<td>EDUCATION:</td>

<td><a href="C:\Users\VARGHESE\Desktop\FISAT\weeb program\edu.html">CLICK HERE</a></td>

</tr>

</table>

</body>

</head>

</html>

Academic.html

<html>

<head>

<title> EDUCATION</title>

<body></body>

<h1 style="background-color:rgb(255, 99, 71);"><center>BIO DATA</center></h1>

<table width="500" height="500" border="2" align="center">

<thead>

<center><strong><b><i>EDUCATION DETAILS</i></b></strong></center>

</thead>

<tr>

</tr>

<tr>

<td>12TH:</td>

<td>INDIAN SCHOOL AL SEEB,OMAN</td>

</tr>

<tr>

<td>DEGREE:</td>

<td>ST.JOSEPH'S COLLEGE,IRINJALAKUDA,THRISSUR</td>

</tr>

<tr>

<td>PG:</td>

<td>FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY</td>

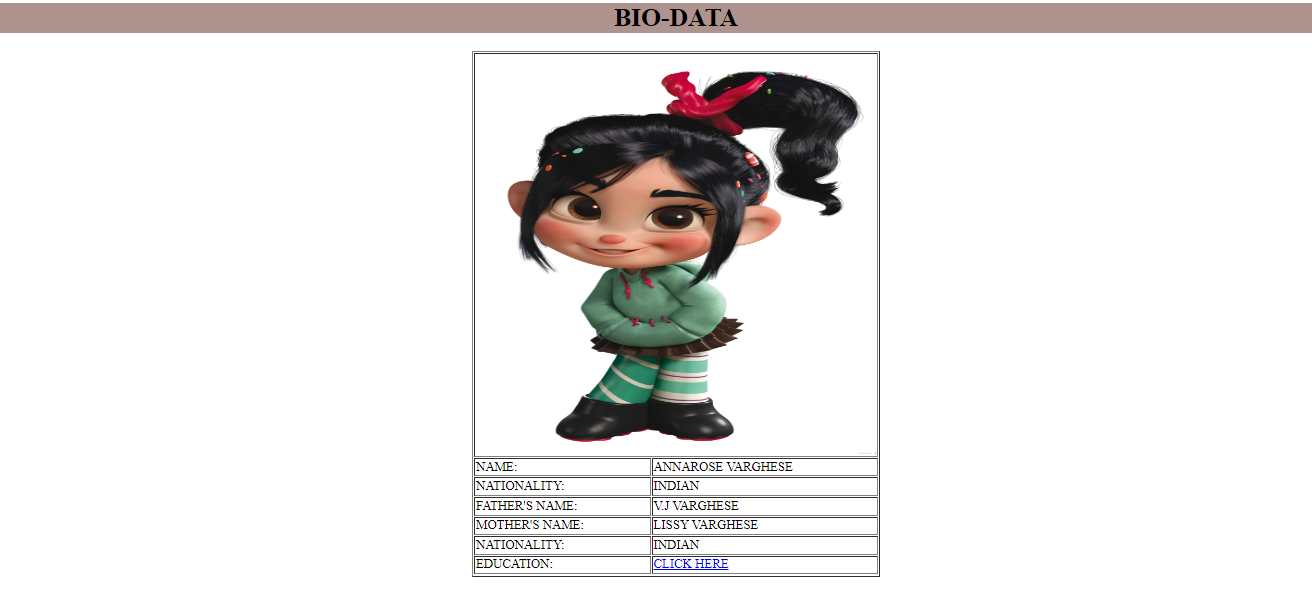
</tr>

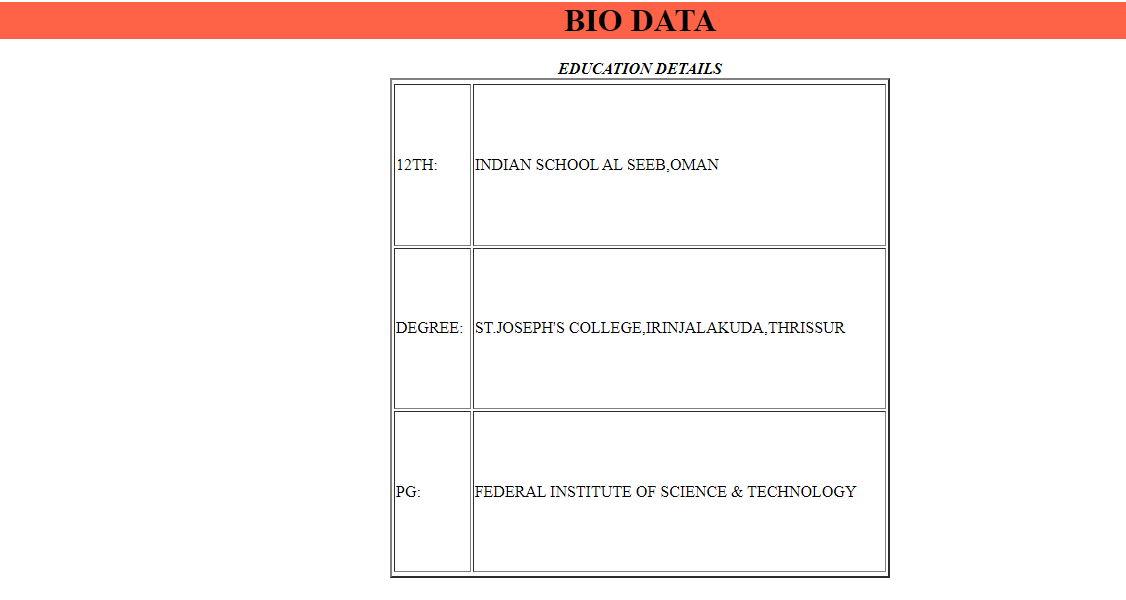
</table></div>

</head>

</html>

**Output**





**No: 3**

**Aim:** Create an application form for MCA course in FISAT.

**Source code**

<html>

<head>

<title>Application form</title>

<style>

label {

display: inline-block;

width: 300px;

}

</style>

</head>

<body>

<center><img src="download.png"></center><br>

<center><h2>FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY(FISAT)</h2></center>

<hr size=5 noshade></hr>

<h2><center><u>Application Form</u></center></h4><br><br>

<form width="600px" align="left">

<h3><i><u>Basic Details</u></i></h3><br>

<label>Name</label>

<input type="text" name="name" required><br><br><br>

<label>Permanent Address</label>

<textarea cols="20" rows="3" required></textarea><br><br><br>

<label>City</label>

<input type="text" name="city" required><br><br><br>

<label>State</label>

<input type="text" name="name" required><br><br><br>

<label>Country</label>

<input type="text" name="name" required><br><br><br>

<label>Pincode</label>

<input type="text" name="name" required><br><br><br>

<label>Mobile</label>

<input type="number" name="name" required><br><br><br>

<label>Alternative Contact Number</label>

<input type="text" name="name" required><br><br><br>

<label>Email</label>

<input type="email" name="name" required><br><br><br>

<label>Date of birth </label>

<input type="date" name="name" required><br><br><br>

<label>Gender</label>

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

<input type="radio" name="gender" value="female">Female<br><br><br>

<label>Nationality</label>

<input type="text" name="name" required><br><br><br>

<label>Religion</label>

<select>

<option selected>Select</option>

<option>Hindu</option>

<option>Christian</option>

<option>Muslim</option>

<option>Others</option>

</select>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

Community <input type="text" required> <br><br><br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

Category

<select>

<option selected>Select</option>

<option>General</option>

<option>SC</option>

<option>ST</option>

<option>OBC</option>

<option>OEC</option>

<option>Others</option>

</select><br><br><br>

<label>Father's Details</label>

Name &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="text" required><br><br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp

Occupation <input type="text" required><br><br><br>

<label>Mother's Details</label>

Name &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="text" required><br><br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

Occupation <input type="text" required><br><br>

<hr size=3 noshade></hr><br>

<h3><i><u>Academic Qualifications</u></i></h3><br><br>

<label>Entrance Rank (If available)</label>

<input type="number"><br><br>

<label>Tenth % </label>

<input type="number"><br><br>

<label>Plus Two %</label>

<input type="number"><br><br>

<label>Graduation Course</label>

<input type="radio" name="course" value="Bsc">Bsc &nbsp;&nbsp;

<input type="radio" name="course" value="BCA">BCA &nbsp;&nbsp;

Others: <input type="text" name="course"><bt><br><br>

<label>Degree Percentage</label>

<input type="number"><br><br><br><br>

<center><button name="submit" value="submit">SUBMIT</button></center>

</form>

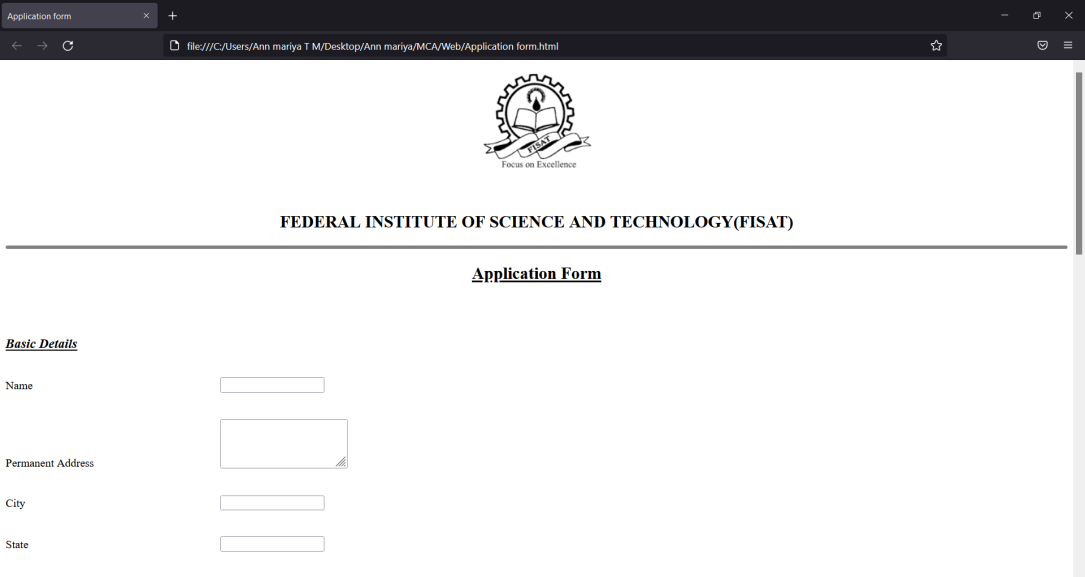
</form>

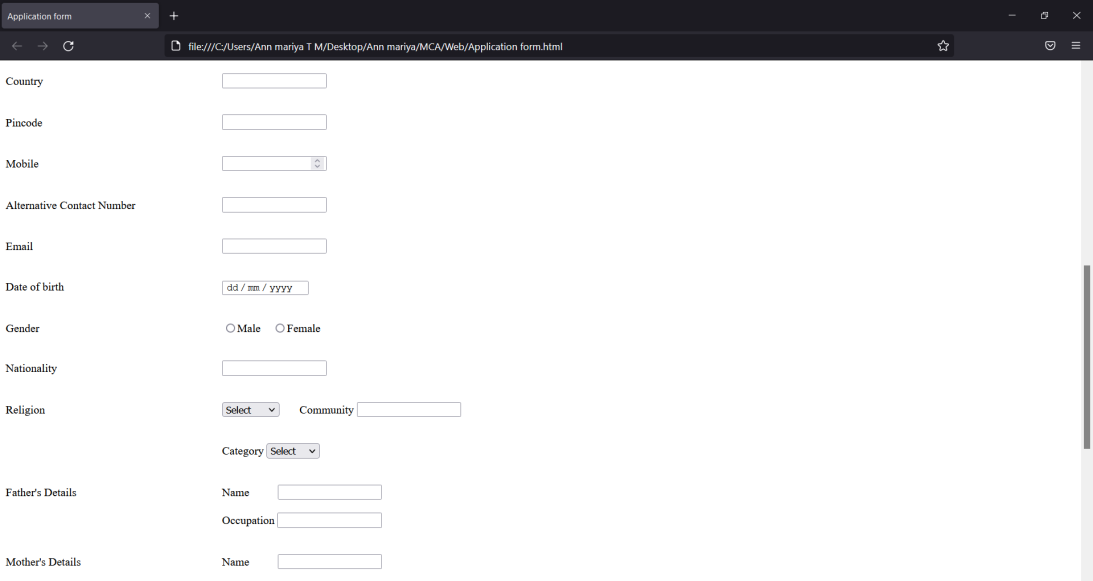
</form>

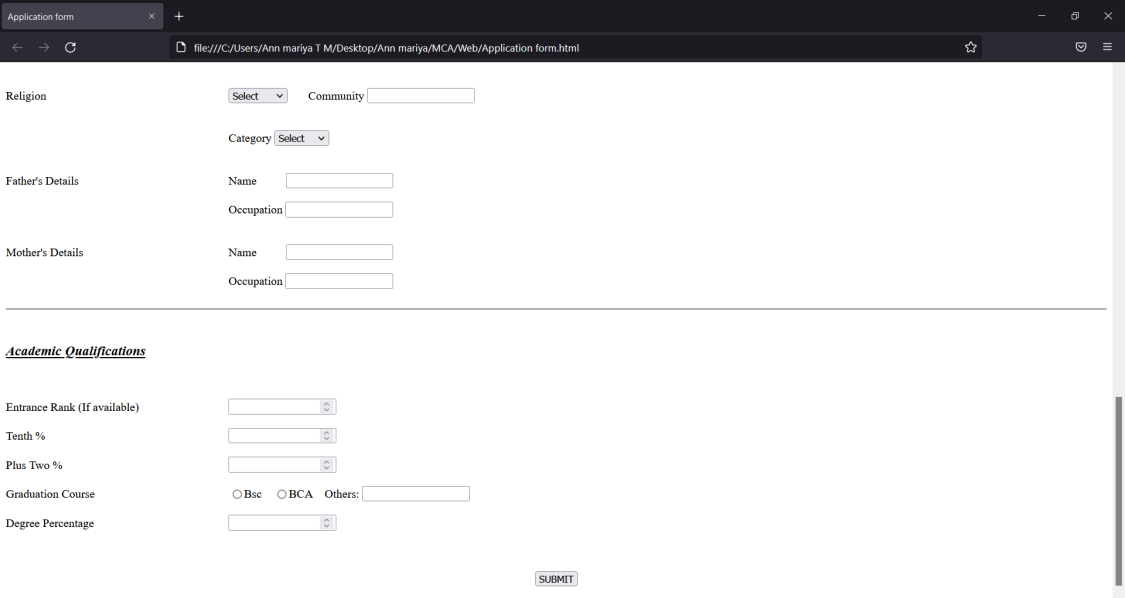
</body>

</html>

**Output**







**No: 4**

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

**Source code**

**mba.html**

<html>

<head><title>mba</title></head>

<body bgcolor='#009988'>>

<h1>

MBA</h1>

<h2 align="center">Application Form<hr></h2>

<table border="0" align="center" cellspadding="10">

<tr>

<td>Name:<br><br></td>

<td ><input type="text" size="50"><br><br></td>

</tr>

<tr>

<td>Address:<br><br></td>

<td><textarea type="mytextarea" rows="3" cols="50"></textarea><br><br></td>

</tr>

<tr>

<td>City:<br><br></td>

<td><input  type="text" size="50" ><br><br></td>

</tr>

<tr>

<td>State:<br><br></td>

<td><input  type="text" size="50" ><br><br></td>

</tr>

<tr>

<td>Country:<br><br></td>

<td><input  type="text" size="50" ><br><br></td>

</tr>

<tr>

<td>Pin Code:<br><br></td>

<td><input  type="number" size="100" ><br><br></td>

</tr>

<tr>

<td>Mobile :<br><br></td>

<td><input  type="number" size="50" ><br><br></td>

</tr>

<tr>

<td>Date of Birth :<br><br></td>

<td><input  type="date" size="50" ><br><br></td>

</tr>

<tr>

<td>Email id :<br><br></td>

<td><input  type="email" size="50" ><br><br></td>

</tr>

<tr>

<td>Gender :<br><br></td>

<td>male<input  type="radio" value="m" name="gender" >

female<input  type="radio" value="f" name="gender" >

<br><br></td>

</tr>

<td colspan="2"><center><input type="button" value="Submit"></center></td>

</tr>

</table>

</body>

</html>

**btech.html**

<html>

<head><title>btech</title></head>

<body bgcolor='#009988'>>

<h1>

BTECH</h1>

<h2 align="center">Application Form<hr></h2>

<table border="0" align="center" cellspadding="10">

<tr>

<td>Name:<br><br></td>

<td ><input type="text" size="50"><br><br></td>

</tr>

<tr>

<td>Address:<br><br></td>

<td><textarea type="mytextarea" rows="3" cols="50"></textarea><br><br></td>

</tr>

<tr>

<td>City:<br><br></td>

<td><input  type="text" size="50" ><br><br></td>

</tr>

<tr>

<td>State:<br><br></td>

<td><input  type="text" size="50" ><br><br></td>

</tr>

<tr>

<td>Country:<br><br></td>

<td><input  type="text" size="50" ><br><br></td>

</tr>

<tr>

<td>Pin Code:<br><br></td>

<td><input  type="number" size="100" ><br><br></td>

</tr>

<tr>

<td>Mobile :<br><br></td>

<td><input  type="number" size="50" ><br><br></td>

</tr>

<tr>

<td>Date of Birth :<br><br></td>

<td><input  type="date" size="50" ><br><br></td>

</tr>

<tr>

<td>Email id :<br><br></td>

<td><input  type="email" size="50" ><br><br></td>

</tr>

<tr>

<td>Gender :<br><br></td>

<td>male<input  type="radio" value="m" name="gender" >

female<input  type="radio" value="f" name="gender" >

<br><br></td>

</tr>

<td colspan="2"><center><input type="button" value="Submit"></center></td>

</tr>

</table>

</body>

</html>

**gallery.html**

<html>

<head>

<title>gallery</title>

</head>

<body bgcolor='#009988'>

<h3>GALLERY</h3>

<img height="100" width="100" src="index.png">

<img height="100" width="100" src="index.png">

<img height="100" width="100" src="index.png">

<img height="100" width="100" src="index.png">

<img height="100" width="100" src="index.png">

<img height="100" width="100" src="index.png">

<img height="100" width="100" src="index.png">

<img height="100" width="100" src="index.png">

<img height="100" width="100" src="index.png">

</body>

</html>

**home.html**

<html>

<head><title>home</title></head>

<frameset cols="150,\*">

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

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

</frameset>

</html>

**iframe.html**

<html>

<head><title>iframe</title></head>

<h1>FLOATING FRAME</h1>

<h3>Gallery

<html>

<head><title>main</title></head>

<IFRAME NAME="float1" SRC="gallery.html" WIDTH=350 HEIGHT=200 ALIGN=center>

There would be an floating frame here if your browser supported it.

</IFRAME>

</html>

**main.html**  
<html>

<head><title>main</title></head>

</html>

**mca.html**

<html>

<head><title>mca</title></head>

<body bgcolor='#006666'>

<h1>

MCA</h1>

<h2 align="center">Application Form<hr></h2>

<table border="0" align="center" cellspadding="10">

<tr>

<td>Name:<br><br></td>

<td ><input type="text" size="50"><br><br></td>

</tr>

<tr>

<td>Address:<br><br></td>

<td><textarea type="mytextarea" rows="3" cols="50"></textarea><br><br></td>

</tr>

<tr>

<td>City:<br><br></td>

<td><input  type="text" size="50" ><br><br></td>

</tr>

<tr>

<td>State:<br><br></td>

<td><input  type="text" size="50" ><br><br></td>

</tr>

<tr>

<td>Country:<br><br></td>

<td><input  type="text" size="50" ><br><br></td>

</tr>

<tr>

<td>Pin Code:<br><br></td>

<td><input  type="number" size="100" ><br><br></td>

</tr>

<tr>

<td>Mobile :<br><br></td>

<td><input  type="number" size="50" ><br><br></td>

</tr>

<tr>

<td>Date of Birth :<br><br></td>

<td><input  type="date" size="50" ><br><br></td>

</tr>

<tr>

<td>Email id :<br><br></td>

<td><input  type="email" size="50" ><br><br></td>

</tr>

<tr>

<td>Gender :<br><br></td>

<td>male<input  type="radio" value="m" name="gender" >

female<input  type="radio" value="f" name="gender" >

<br><br></td>

</tr>

<td colspan="2"><center><input type="button" value="Submit"></center></td>

</tr>

</table>

</body>

</html>

**menu.html**

<html>

<head>

<title>menu</title>

</head>

<body bgcolor='#009988'>

<ul>

<li><a href="mca.html" target = "main">MCA</a></li>

<li><a href="mba.html" target = "main">MBA</a></li>

<li><a href="btech.html" target = "main">BTECH</a></li>

<li><a href="iframe.html" target = "main">Floating frame</a></li>

</ul>

</body>

</html>

**navi.html**

<html>

<head><title>navi</title></head>

<frameset rows="225,\*">

<frame name="prg4" src="prg4.html">

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

</frameset>

</html>

<html>

<head><title>prg4</title></head>

<body bgcolor="Silver"><br>

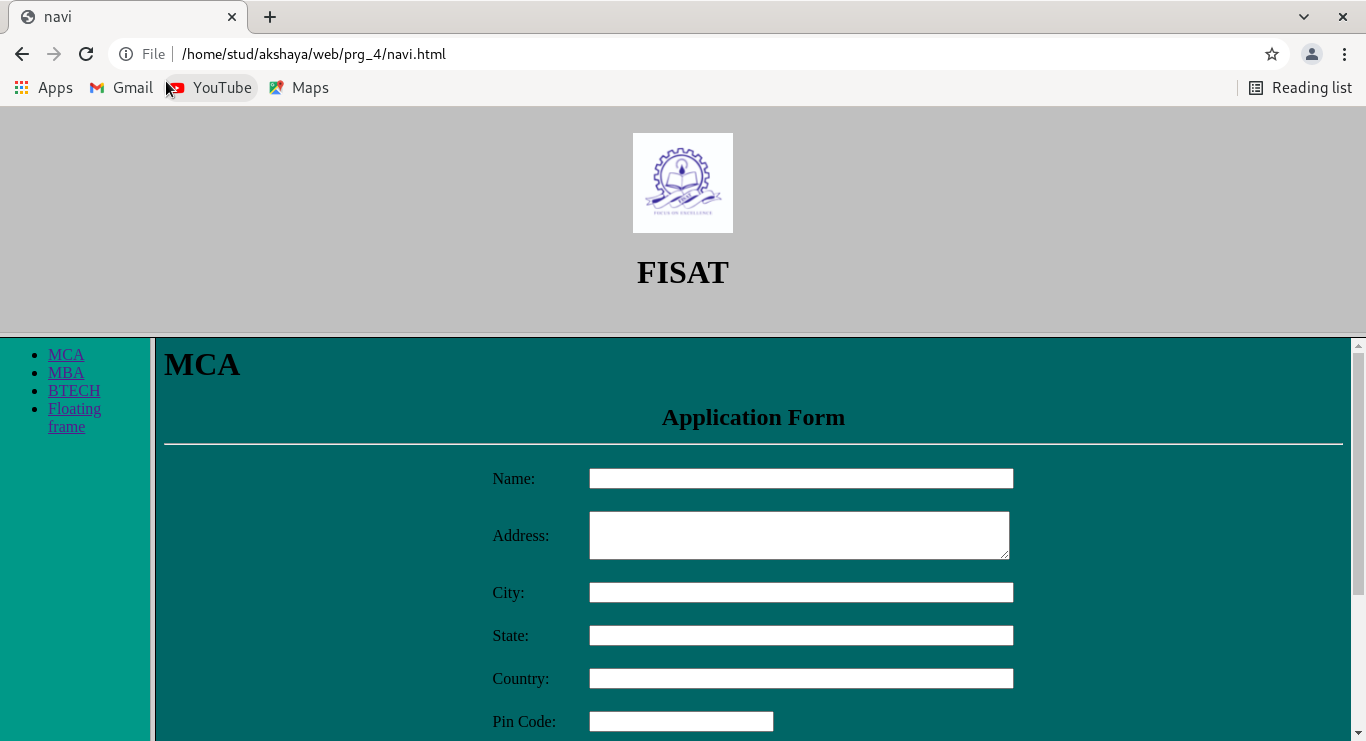
<center><img height="100" width="100" src="index.png"></center>

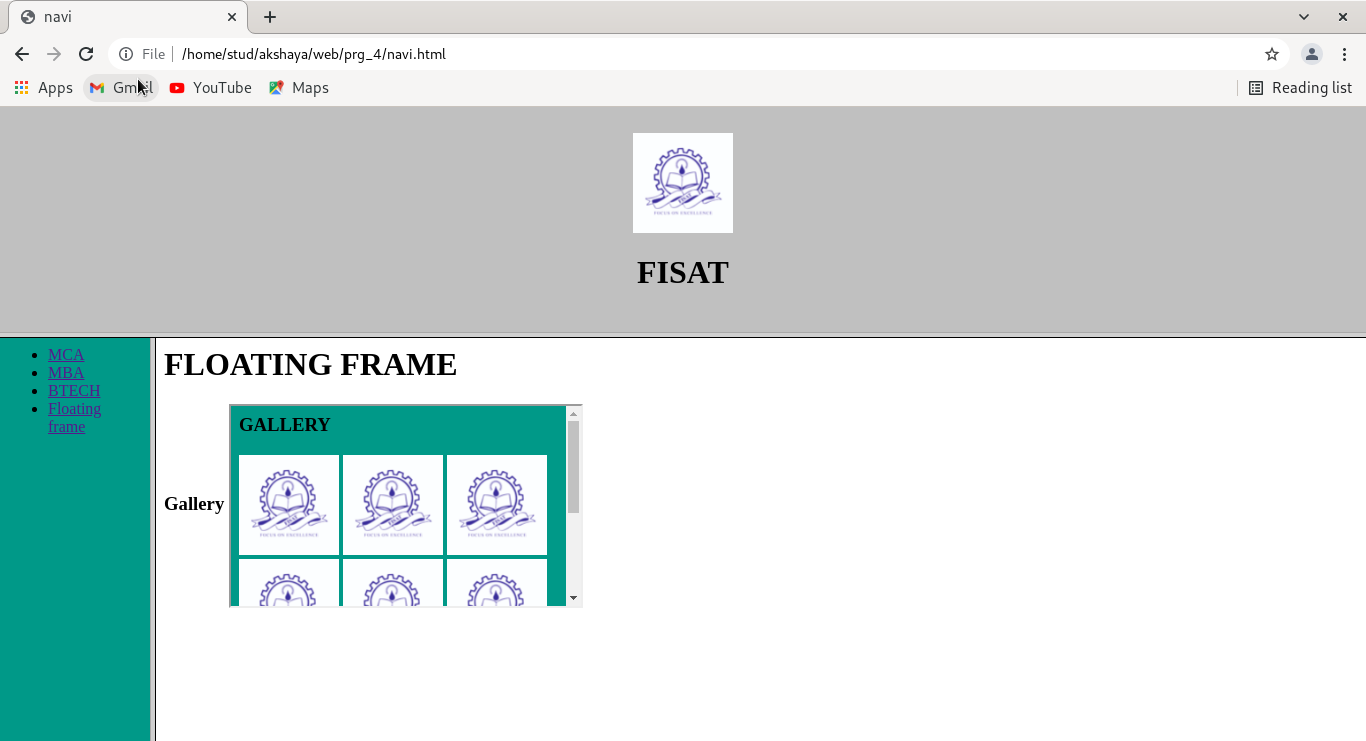
<h1 align="center">FISAT</h1>

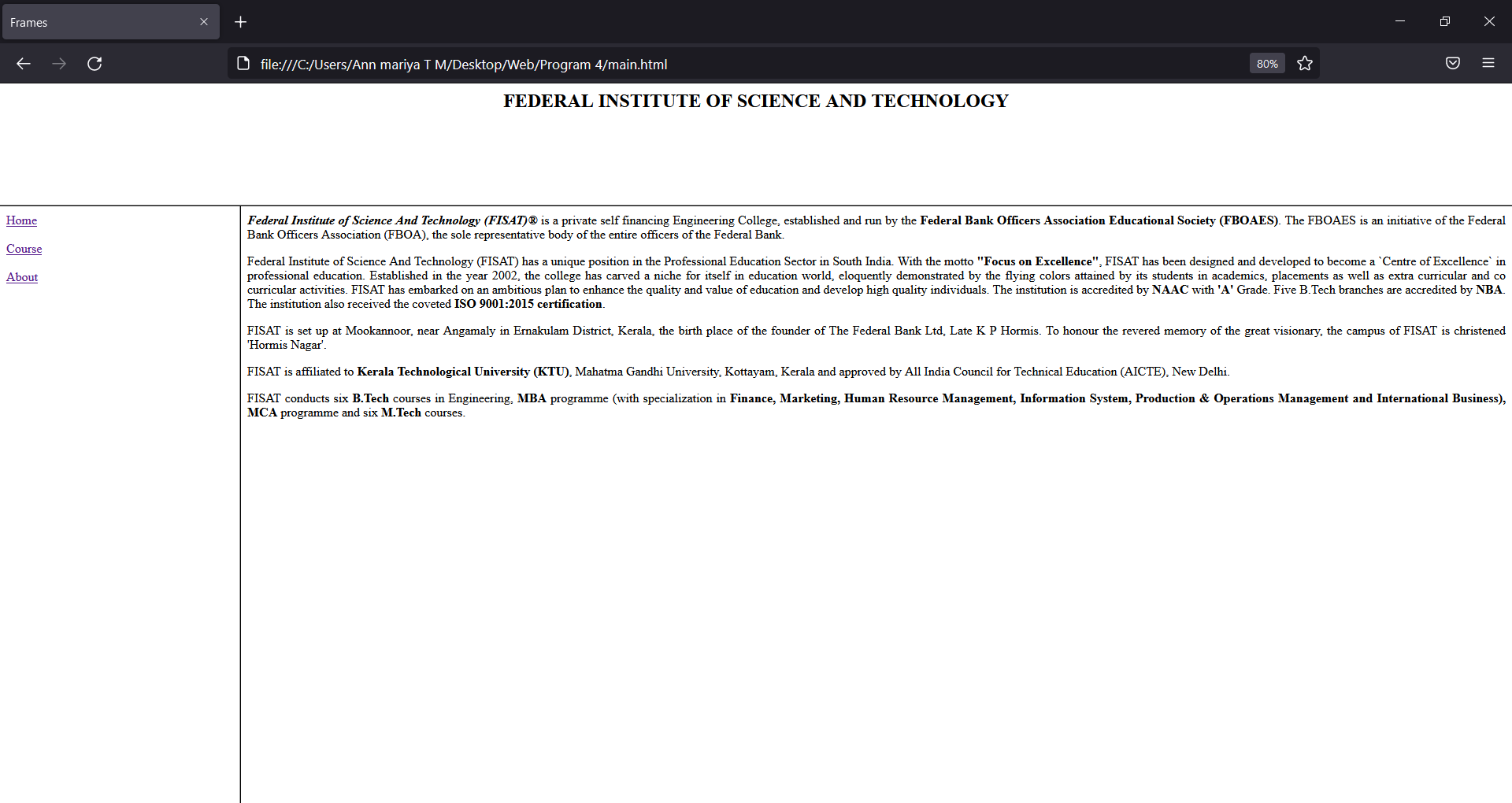
</body>

</html>

**Output**

****





**No: 5**

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

**Source code**

Biodata.html

<html>

<head><title>BIO DATA</title>

</head>

<body>

<h1 align="center">BIO DATA</h1>

<hr size=5 noshade></hr>

1.PERSONAL DETAILS

<hr size=2 noshade>

<img src="download.png" height="250px" width="400px" align="right"><br>

<table width=700px>

<tr>

<td>Name</td>

<td>: Annarose </td>

</tr>

<tr>

<tr>

<td>Address</td>

<td>: Mookanoor kada</td>

</tr>

<td>Date of birth</td>

<td>: 31 March 2001</td>

</tr>

<tr>

<td>Age</td>

<td>: 20</td>

</tr>

<tr>

<td>Gender</td>

<td>: Female</td>

</tr>

<tr>

<td>Contact</td>

<td>: 9747716021</td>

</tr>

<tr>

<td>E mail</td>

<td>: annsdfg123@gmail.com</td>

</tr>

</table><br><br>

<button name="Next"><a href="academic.html">Next</a></button>

</body>

</html>

Academic.html

<html>

<head><title>BIO DATA</title>

</head>

<body>

<h1 align="center">BIO DATA</h1>

<hr size=5 noshade></hr>

2.ACADEMIC DETAILS

<hr size=2 noshade></hr>

<table width=700px height=200px border=1>

<tr>

<th>Education</th>

<th>Institution Name</th>

<th>Year of passing</th>

</tr>

<tr>

<td>SSLC</td>

<td>St.Mary's C G H S Ollur</td>

<td>2016</td>

</tr>

<tr>

<td>PLUS TWO</td>

<td>Sacred Heart C G H S S Thrissur</td>

<td>2018</td>

</tr>

<tr>

<td>UG</td>

<td>St.Mary's College Thrissur</td>

<td>2021</td>

</tr>

</table><br><br>

<button name="home" value="home"><a href="biodata.html" nocolor>HOME</a></button>

</body>

</html>

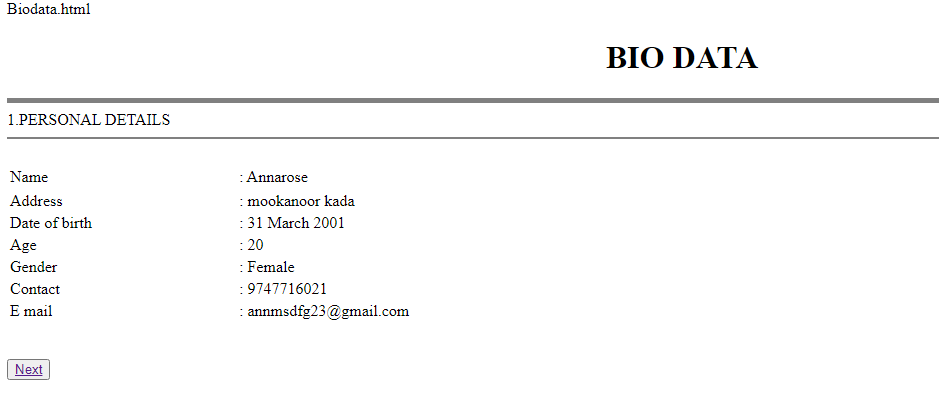
Stylesheet.css

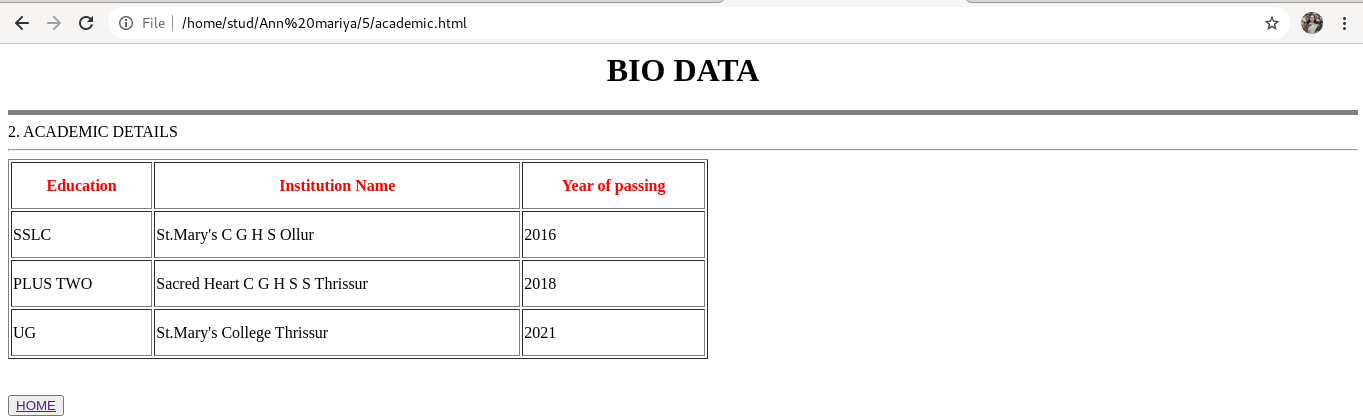
.img {src:download.png; height:250px; width:400px;}

.hr1 {size:5 noshade;}

.hr2 {size:2 noshade;}

**Output**

****



**No:6**

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

**Source code**

<!DOCTYPE html>

<html><head>

<script>

function validateForm() {

var a = document.forms["myForm"]["fname"].value; if (a == "") {

alert("Name must be filled out"); return false;

}

var b = document.forms["myForm"]["add"].value; if (b == "") {

alert("Address must be filled out"); return false;

}

var d = document.forms["myForm"]["city"].value; if (d == "") {

alert("City must be filled out"); return false;

}

var e = document.forms["myForm"]["state"].value; if (e == "") {

alert("State must be filled out"); return false;

}

var f = document.forms["myForm"]["country"].value; if (f == "") {

alert("Country must be filled out"); return false;

}

var g = document.forms["myForm"]["pin"].value; if (g == "") {

alert("Pin code must be filled out"); return false;

}

var h = document.forms["myForm"]["mob"].value; if (h == "") {

alert("Mobile must be filled out"); return false;

}

var i = document.forms["myForm"]["mail"].value; if (i == "") {

alert("Mail must be filled out"); return false;

}

var j = document.forms["myForm"]["dob"].value; if (j == "") {

alert("DOB must be filled out"); return false;

}

}

</script>

<style>

label {

display: inline-block;

width: 300px;} </style>

</head>

<body>

<center><img src="download.png"></center><br>

<center><h2>FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY(FISAT)</h2></center>

<hr size=5 noshade></hr>

<h2><center><u>Application Form</u></center></h4><br><br>

<form name="myForm" action="/action\_page\_post.php" onsubmit="return validateForm()" method="post">

<label>Name</label>

<input type="text" name="fname"><br><br><br>

<label>Permanent Address</label>

<textarea cols="20" rows="3" name="add"></textarea><br><br><br>

<label>City</label>

<input type="text" name="city" ><br><br><br>

<label>State</label>

<input type="text" name="state"><br><br><br>

<label>Country</label>

<input type="text" name="country"><br><br><br>

<label>Pincode</label>

<input type="text" name="pin"><br><br><br>

<label>Mobile</label>

<input type="number" name="mob"><br><br><br>

<label>Email</label>

<input type="email" name="mail"><br><br><br>

<label>Date of birth </label>

<input type="date" name="dob"><br><br><br>

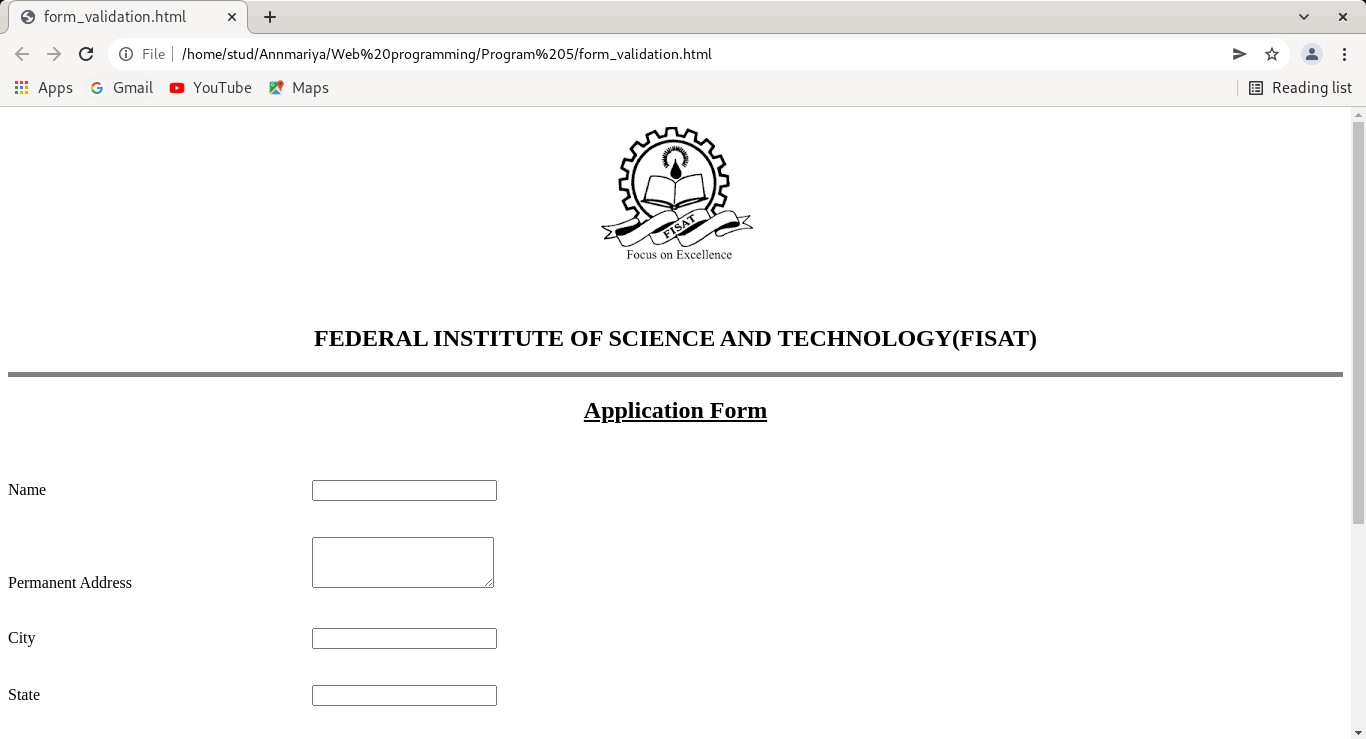
<center><input type="submit" value="Submit"></center>

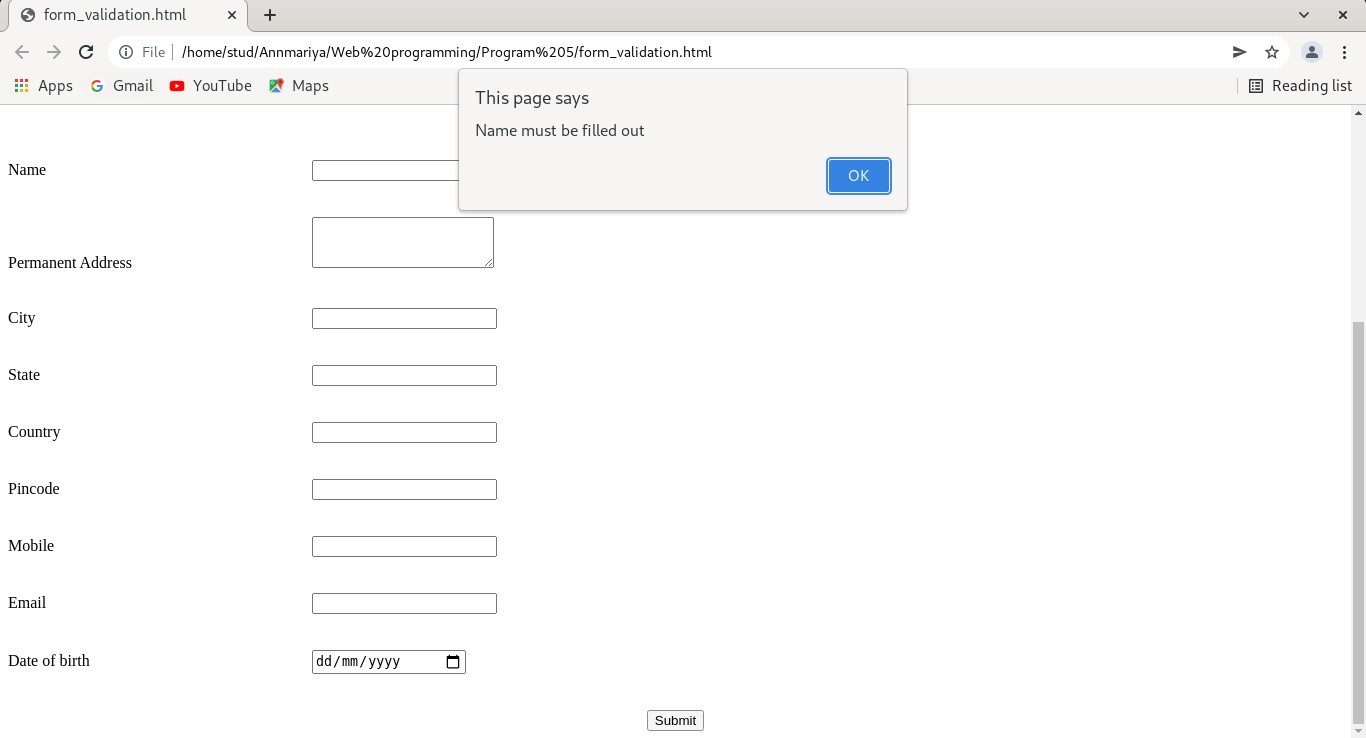
</form>

</body>

</html>

**Output**





**No: 7**

**Aim:** Create a HTML page to explain the use of various predefined functions in a string and math objects in JavaScript.

(String Functions- Length, slice, substring, substr, replace toUppercase, toLowercase, concat, trim, charAt, convert string to arrayindexof, search,includes).  
(Math Functions- round, ceil, floor, trunc, sign, pow, sqrt, abs, sin, cos, min, max, random, log)

**Source code**

<!DOCTYPE html>

<html>

<body align="center" bgcolor="#83c9f2">

<h2>JavaScript String Properties</h2>

----------------------------------------------------------------

<p>The length of " Today is a beautiful day ":</p>

<p id="demo"></p>

<script>

let text = " Today is a beautiful day ";

document.getElementById("demo").innerHTML = text.length;

</script>

----------------------------------------------------------------

<p>The slice parts of "January, June, July":</p>

<p id="de"></p>

<script>

let str = "January, June, July";

document.getElementById("de").innerHTML = str.slice(7,13);

</script>

----------------------------------------------------------------

<p>The substring of "December, May, April":</p>

<p id="dem"></p>

<script>

let str1 = "March, April, October";

document.getElementById("dem").innerHTML = str1.substring(7,13);

</script>

----------------------------------------------------------------

<p>The substr of "March, April, October":</p>

<p id="demo1"></p>

<script>

let str2 = "Apple, Banana, Kiwi";

document.getElementById("demo1").innerHTML = str2.substr(7,6);

</script>

----------------------------------------------------------------

<p>Replace "Lilly with Jasmin":</p>

<button onclick="myFunction1()">Try it</button>

<p id="demo2">Lilly is white in color!</p>

<script>

function myFunction1() {

let text1 = document.getElementById("demo2").innerHTML;

document.getElementById("demo2").innerHTML =

text1.replace("Lilly","Jasmin");

}

</script>

----------------------------------------------------------------

<p>Convert Red Rose to upper case:</p>

<button onclick="myFunction2()">Try it</button>

<p id="demo3">Red Rose</p>

<script>

function myFunction2() {

let text2 = document.getElementById("demo3").innerHTML;

document.getElementById("demo3").innerHTML =

text2.toUpperCase();

}

</script>

----------------------------------------------------------------

<p>Convert Red Rose to lower case:</p>

<button onclick="myFunction3()">Try it</button>

<p id="demo4">Red Rose</p>

<script>

function myFunction3() {

let text3 = document.getElementById("demo4").innerHTML;

document.getElementById("demo4").innerHTML =

text3.toLowerCase();

}

</script>

----------------------------------------------------------------

<p>Concat "Red Rose"</p>

<p id="demo5"></p>

<script>

let text4 = "Red";

let text5 = "Rose";

let text6 = text4.concat(" ",text5);

document.getElementById("demo5").innerHTML = text6;

</script>

----------------------------------------------------------------

<p>Trim "Red Rose"<p>

<p id="demo6"></p>

<script>

let text7 = " Red Rose ";

let text8 = text7.trim();

document.getElementById("demo6").innerHTML =

"Length text7=" + text7.length + "<br>Length8 text8=" + text8.length;

</script>

----------------------------------------------------------------

<p>CharAt "Red Rose"</p>

<p id="demo7"></p>

<script>

var text9 = "RED ROSE";

document.getElementById("demo7").innerHTML = text9.charAt(0);

</script>

----------------------------------------------------------------

<p>Display the first array element, after a string split:</p>

<p id="demo8"></p>

<script>

let text10 = "a,b,c,d,e,f";

const myArray = text10.split(",");

document.getElementById("demo8").innerHTML = myArray[0];

</script>

----------------------------------------------------------------

<p>The indexOf() method returns the position of the first occurrence of a specified text:</p>

<p id="demo9"></p>

<script>

let str3 = "Please locate where 'locate' occurs!";

document.getElementById("demo9").innerHTML = str3.indexOf("locate");

</script>

----------------------------------------------------------------

<p>The search() method returns the position of the first occurrence of a specified text in a string:</p>

<p id="demo10"></p>

<script>

let str4 = "Please locate where 'locate' occurs!";

document.getElementById("demo10").innerHTML = str4.search("locate");

</script>

----------------------------------------------------------------

<p>Check if a string includes "world":</p>

<p id="demo11"></p>

<p>The includes() method is not supported in Internet Explorer.</p>

<script>

let text11 = "Hello world, welcome to the universe.";

document.getElementById("demo11").innerHTML = text11.includes("world");

</script>

----------------------------------------------------------------

<h2>Javascript Math Functions</h2>

----------------------------------------------------------------

<p>Math.round(x) returns the value of x rounded to its nearest integer:</p>

<p id="demo12"></p>

<script>

document.getElementById("demo12").innerHTML = Math.round(4.5);

</script>

----------------------------------------------------------------

<p>Math.ceil() rounds a number <strong>up</strong> to its nearest integer:</p>

<p id="demo13"></p>

<script>

document.getElementById("demo13").innerHTML = Math.ceil(4.4);

</script>

----------------------------------------------------------------

<p>Math.floor(x) returns the value of x rounded <strong>down</strong> to its nearest integer:</p>

<p id="demo14"></p>

<script>

document.getElementById("demo14").innerHTML = Math.floor(4.7);

</script>

----------------------------------------------------------------

<p>Math.trunc(x) returns the integer part of x:</p>

<p id="demo15"></p>

<script>

document.getElementById("demo15").innerHTML = Math.trunc(4.7);

</script>

----------------------------------------------------------------

<p>Math.sign(x) returns if x is negative, null or positive:</p>

<p id="demo16"></p>

<script>

document.getElementById("demo16").innerHTML = Math.sign(4);

</script>

----------------------------------------------------------------

<p>Math.pow(x,y) returns the value of x to the power of y:</p>

<p id="demo17"></p>

<script>

document.getElementById("demo17").innerHTML = Math.pow(8,2);

</script>

----------------------------------------------------------------

<p>Math.sqrt(x) returns the square root of x:</p>

<p id="demo18"></p>

<script>

document.getElementById("demo18").innerHTML = Math.sqrt(64);

</script>

----------------------------------------------------------------

<p>Math.abs(x) returns the absolute (positive) value of x:</p>

<p id="demo19"></p>

<script>

document.getElementById("demo19").innerHTML = Math.abs(-4.4);

</script>

----------------------------------------------------------------

<p>Math.sin(x) returns the sin of x (given in radians):</p>

<p>Angle in radians = (angle in degrees) \* PI / 180.</p>

<p id="demo20"></p>

<script>

document.getElementById("demo20").innerHTML =

"The sine value of 90 degrees is " + Math.sin(90 \* Math.PI / 180);

</script>

----------------------------------------------------------------

<p>Math.cos(x) returns the cosine of x (given in radians):</p>

<p>Angle in radians = (angle in degrees) \* PI / 180.</p>

<p id="demo21"></p>

<script>

document.getElementById("demo21").innerHTML =

"The cosine value of 0 degrees is " + Math.cos(0 \* Math.PI / 180);

</script>

----------------------------------------------------------------

<p>Math.min() returns the lowest value in a list of arguments:</p>

<p id="demo22"></p>

<script>

document.getElementById("demo22").innerHTML =

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

</script>

----------------------------------------------------------------

<p>Math.max() returns the highest value in a list of arguments.</p>

<p id="demo23"></p>

<script>

document.getElementById("demo23").innerHTML =

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

</script>

----------------------------------------------------------------

<p>Math.random() returns a random number between 0 and 1:</p>

<p id="demo24"></p>

<script>

document.getElementById("demo24").innerHTML = Math.random();

</script>

----------------------------------------------------------------

<p>Math.log() returns the natural logarithm of a number:</p>

<p id="demo25"></p>

<script>

document.getElementById("demo25").innerHTML = Math.log(1);

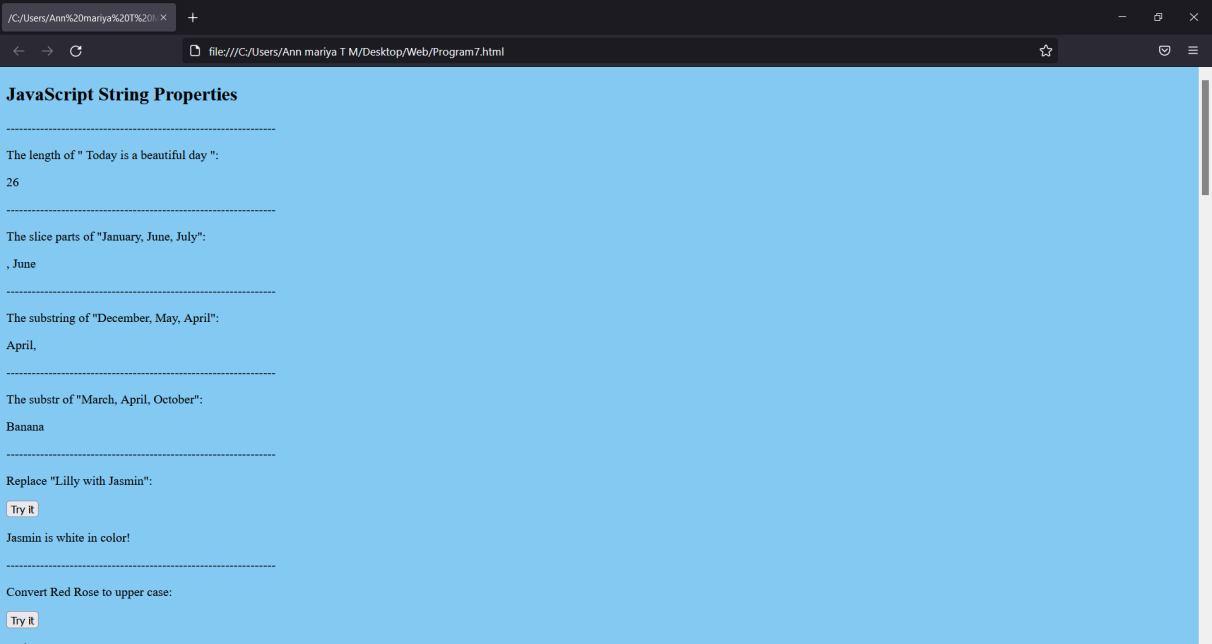
</script>

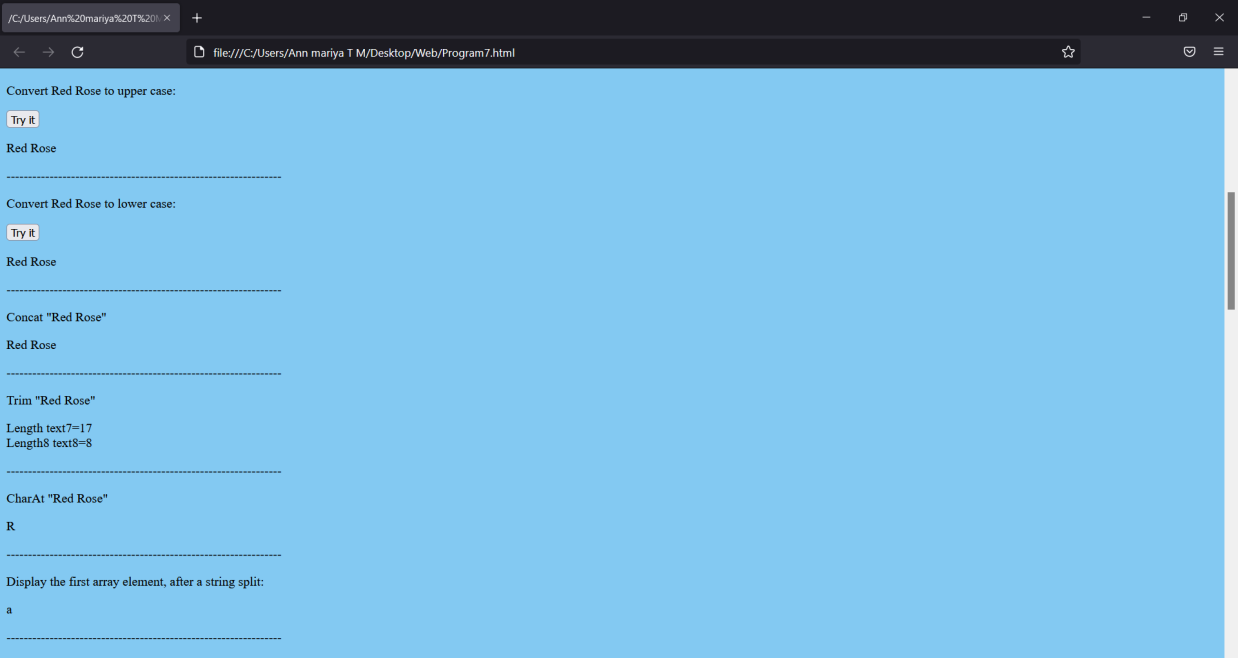
----------------------------------------------------------------

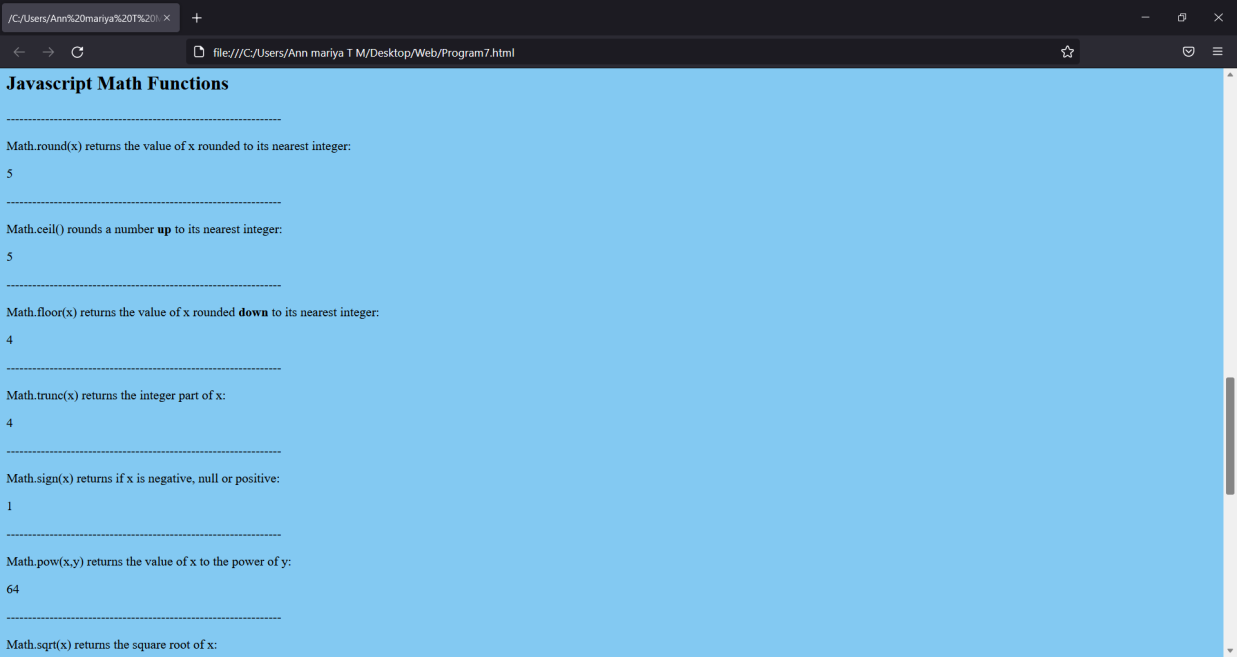
</body>

</html>

**Output**







**No:8**

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

**Source 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()\*0xFFFFFF<<0).toString(16);

 pageBody.style.background = color;

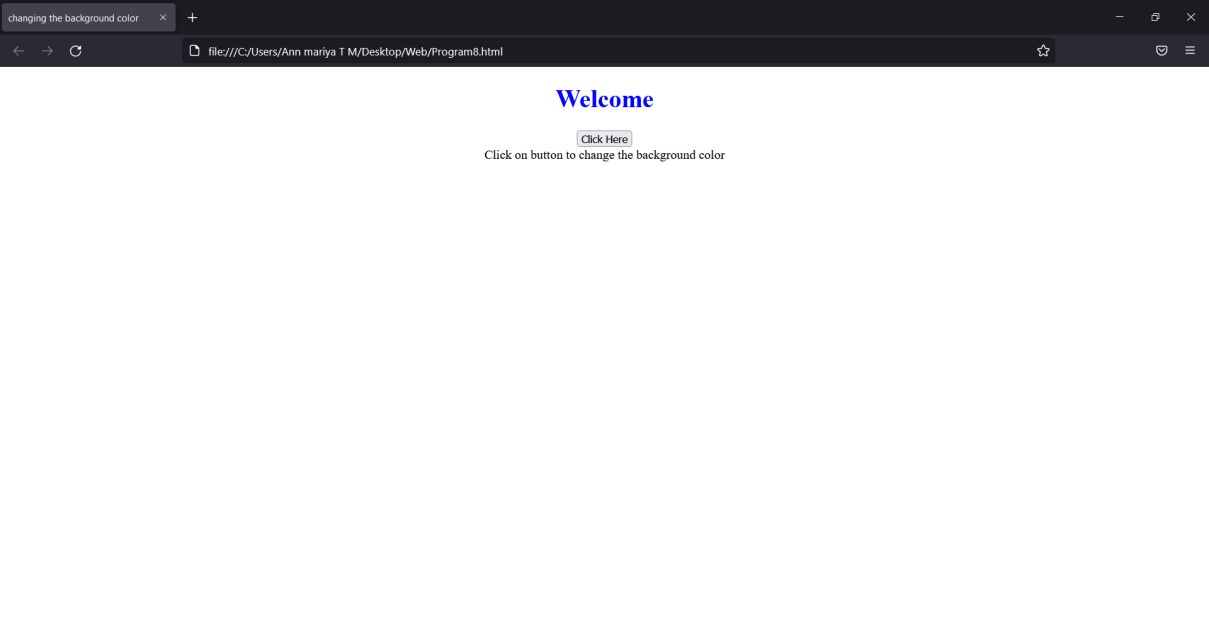
 }

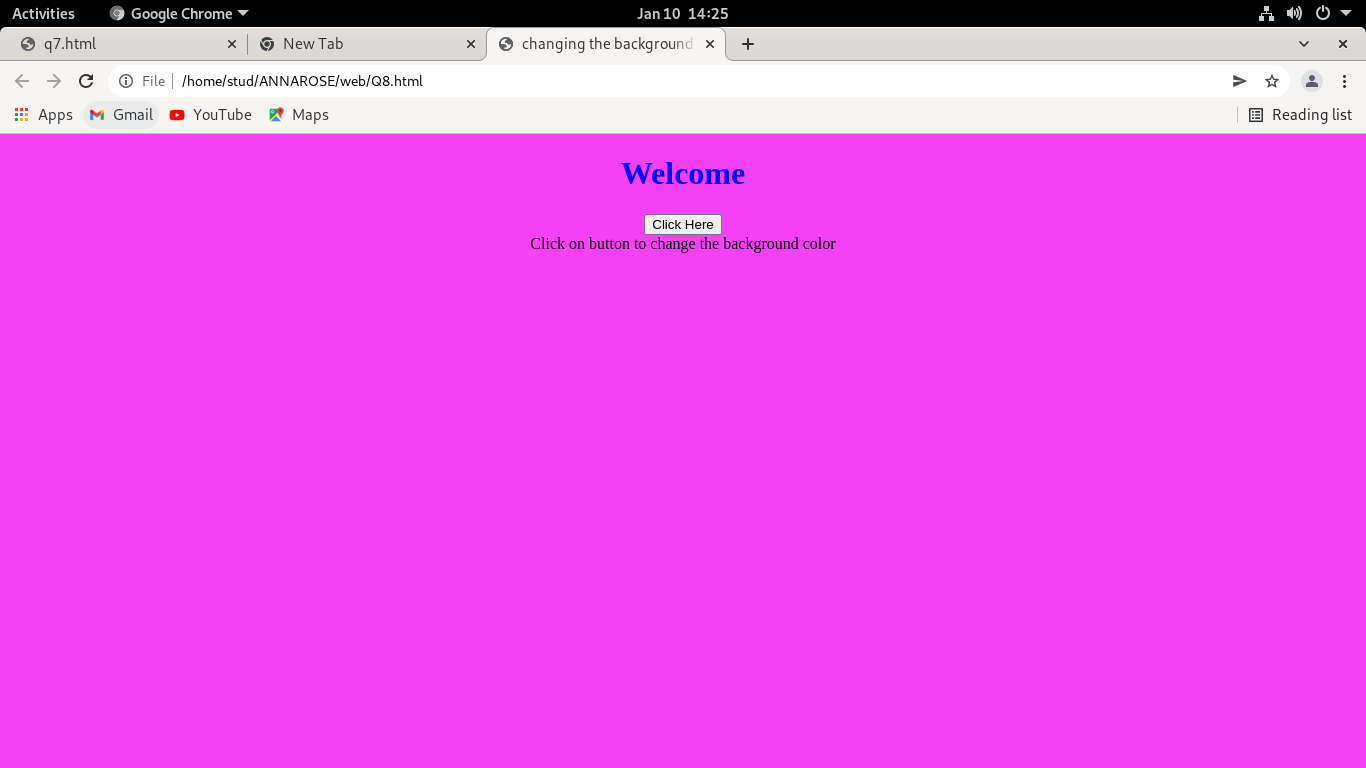
 </script>

 </body>

</html>

**Output**





**No:9**

**Aim:** Generate the calendar using JavaScript code by getting the year and month from the user.

**Source code**

<!DOCTYPE HTML>

<html>

<head><title>Calendar</title>

<style>

table {

border-collapse: collapse;

}

td, th {

border: 1px solid black;

padding: 3px;

text-align: center;

}

th {

font-weight: bold;

background-color: #5ddedc;

}

</style></head>

<body>

<b>CALENDAR</b><br><br>

Enter The year : <input type="number" name="cal" id="cal" /><br><br>

Enter The Month: <input type="number" name="month" id="month" /><br><br>

<div id="calendar"></div>

<script>

var year = document.getElementById("cal").value;

var month = document.getElementById("month").value;

function getDay(date) {

let day = date.getDay();

if (day == 0) day = 7;

return day - 1;

}

function createCalendar(elem, year, month) {

let mon = month - 1;

let d = new Date(year, mon);

let table =

'<table><tr><th>MON</th><th>TUE</th><th>WED</th><th>THU</th><th>FRI</th><th>SAT</th><th>SUN</th></tr><tr>';

for (let i = 0; i < getDay(d); i++)

{

table += '<td>\*</td>';

}

while (d.getMonth() == mon) {

table += '<td>' + d.getDate() + '</td>';

if (getDay(d) % 7 == 6) {

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

}

d.setDate(d.getDate() + 1);

}

if (getDay(d) != 0) {

for (let i = getDay(d); i < 7; i++) {

table += '<td>\*</td>';

}

}

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

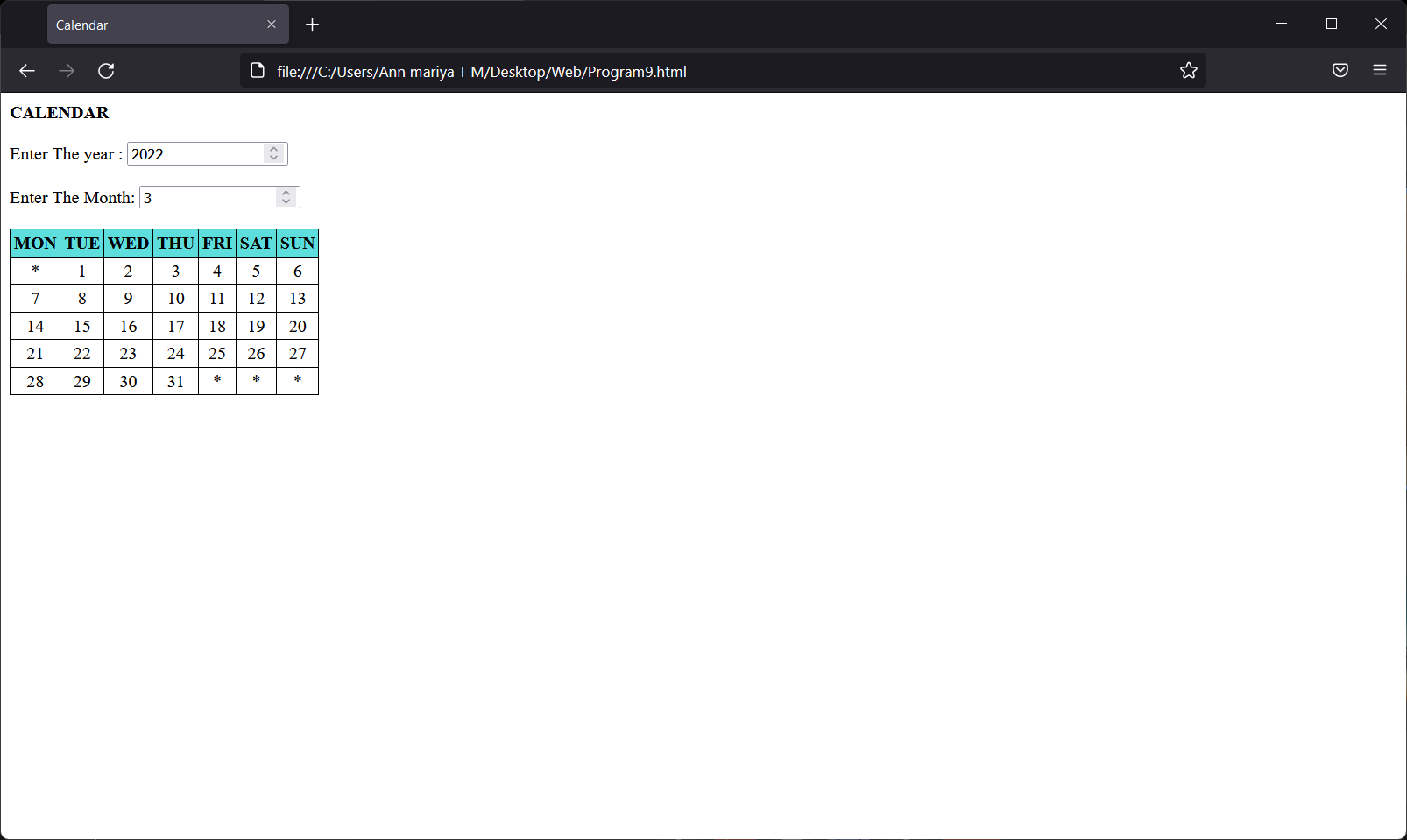
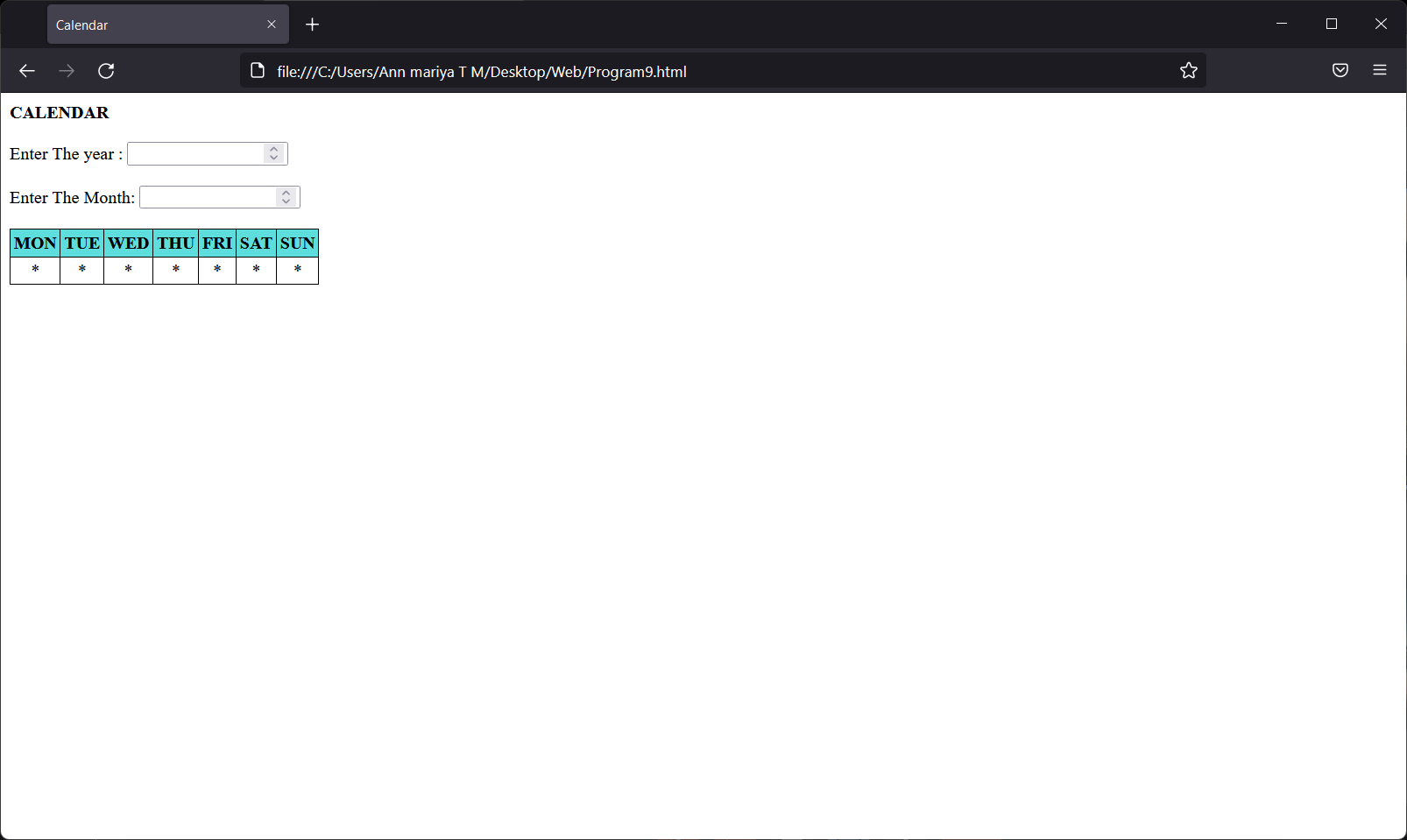
elem.innerHTML = table;

}

createCalendar(calendar, year, month);

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

**Output**



**No:10**

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

**Source code**

Electricity.html

<html>

<head><title>Electricity bill</title></head>

<body>

<form name="bill" action="bill.php" method="post">

<h1>ELECTRICITY BILL<hr></h1>

Consumer Number: <input type="number" name="cno"><br><br>

Customer name: <input type="text" name="uname"><br><br>

Unit: <input type="number" name="unit"><br><br>

<input type="submit" value="Submit">

</form>

</body>

</html>

Bill.php

<html>

<head><title>Bill</title></head>

<body>

<h1>Electricity Bill</h1><br>

<table border="1">

<tr>

<td>

<h3>Name :<?php echo $\_POST["uname"];?></h3><br>

</td>

</tr>

<tr>

<td>

<h3>Consumer number :<?php echo $\_POST["cno"];?></h3><br>

</td>

</tr>

<tr>

<td>

<h3>Price/Unit :<?php $p=4; echo $p;?></h3><br>

</td>

</tr>

<tr>

<td>

<h3>Unit :<?php echo $\_POST["unit"];?></h3><br>

</td>

</tr>

<tr>

<td>

<h3>Amount :<?php echo $\_POST["unit"]\*4;?></h3><br>

</td>

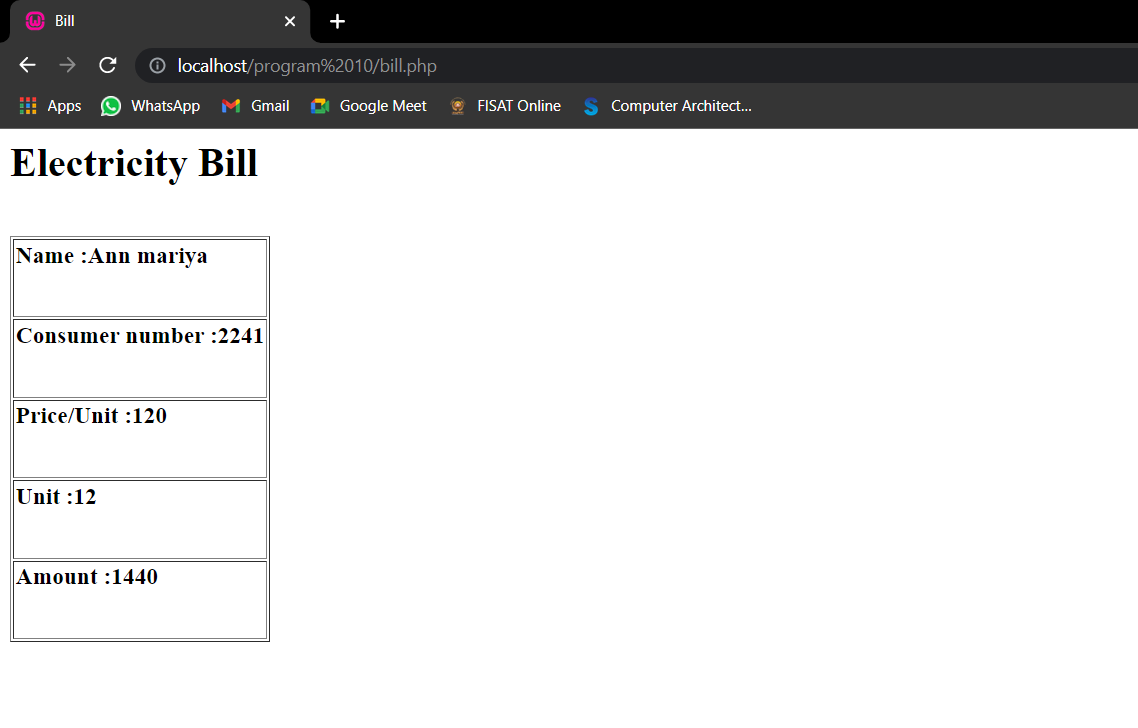
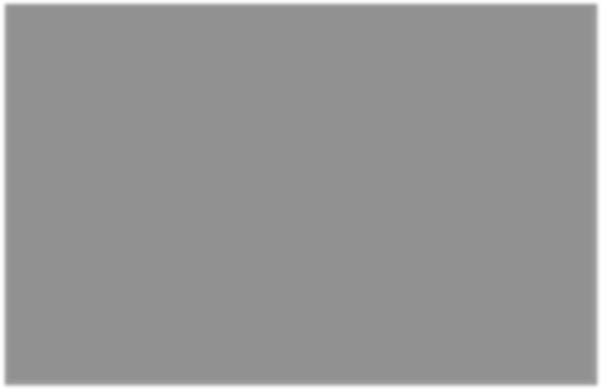
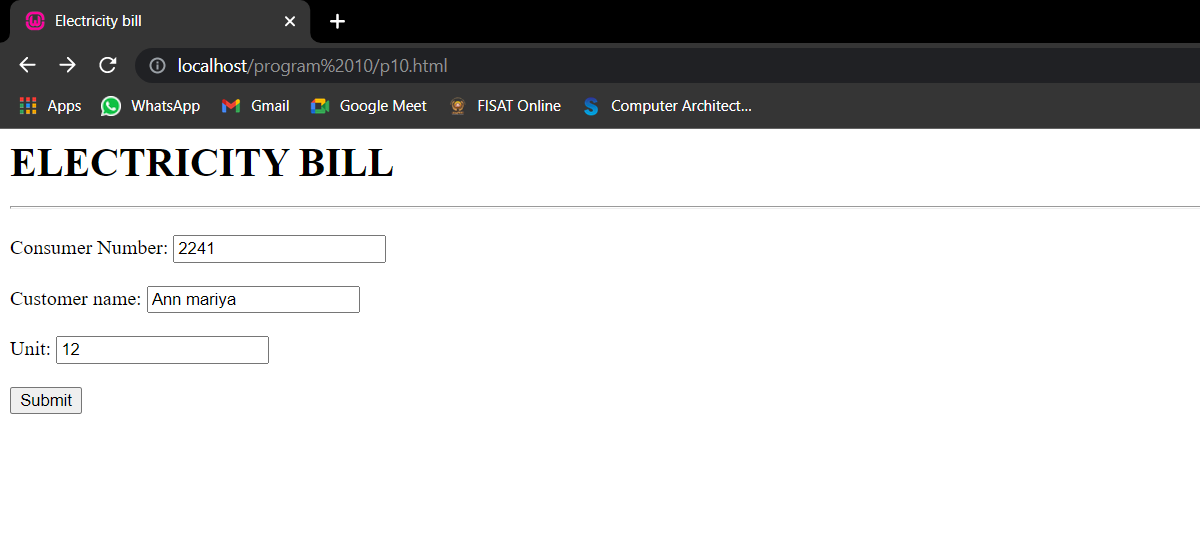
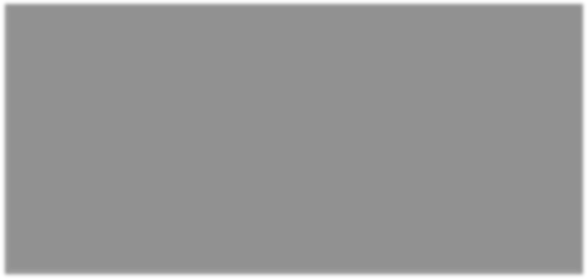
</tr>

</table>

</body>

</html>

**Output**



**No:11**

**Aim:** Build a PHP code to store name of students in an array and display it using print\_r sfunction. Sort and Display the same using asort & arsort functions.

**Source code**

P11.html

<!DOCTYPE html>

<html>

<body>

<h2>Students Name: </h2>

<?php

$a = array("Angel"=>"34", "Ann"=>"35", "Sree"=>"23","Anz"=>"11","Anju"=>"9");

print\_r($a);

echo "<h2>Ascending Order</h2>";

echo "\n";

asort($a);

foreach($a as $x=>$x\_value)

{

echo "Key=" . $x . ", Value=" . $x\_value;

echo "<br>";

}

echo "\n";

echo "<h2>Descending Order</h2>";

echo "\n";

arsort($a);

foreach($a as $x=>$x\_value)

{

echo "Key=" . $x . ", Value=" . $x\_value;

echo "<br>";

}

?>

</html>

P11.php

<!DOCTYPE html>

<html>

<body>

<h2>Students Name: </h2>

<?php

$a = array("Angel"=>"34", "Ann"=>"35", "Sree"=>"23","Anz"=>"11","Anju"=>"9");

print\_r($a);

echo "<h2>Ascending Order</h2>";

echo "\n";

asort($a);

foreach($a as $x=>$x\_value)

{

echo "Key=" . $x . ", Value=" . $x\_value;

echo "<br>";

}

echo "\n";

echo "<h2>Descending Order</h2>";

echo "\n";

arsort($a);

foreach($a as $x=>$x\_value)

{

echo "Key=" . $x . ", Value=" . $x\_value;

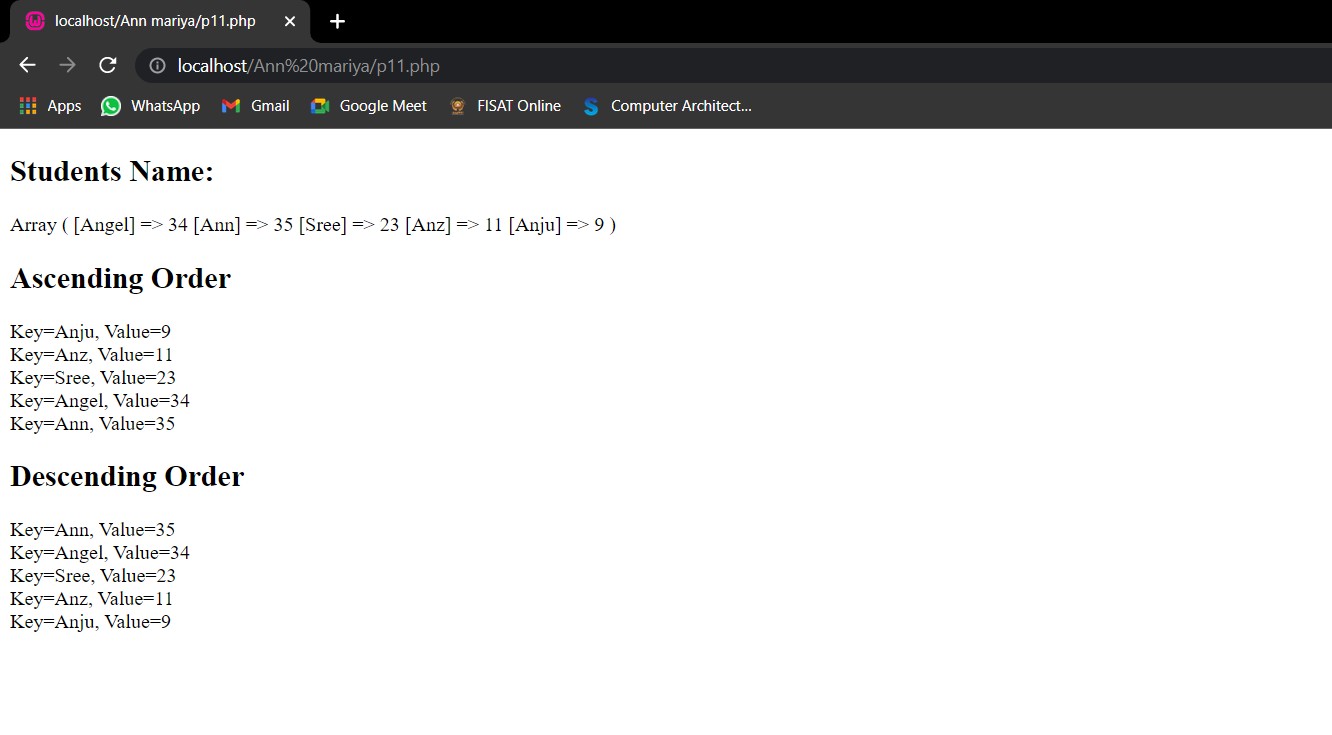
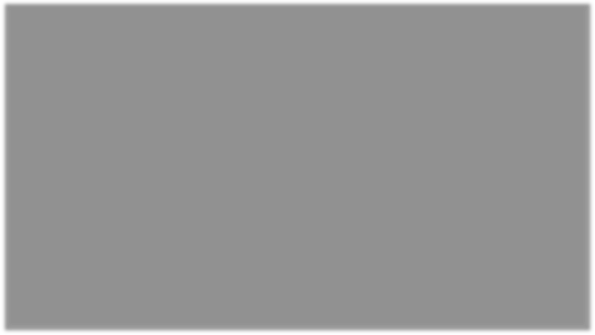
echo "<br>";

}

?>

</html>

**Output**



**No:12**

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

**Source code**

<!DOCTYPE html>

<html>

<body>

<?php

$Indcricketers= array("Virat Kohli", "M S Dhoni", "Rohit Sharma");

echo "Indian Cricketers: " . $Indcricketers[0] . ", " . $Indcricketers[1] .

" and " .$Indcricketers[2] . ".";

echo "<h3>INDIAN CRICKETERS</h3><table border='1'>

<tr>

<th>NO</th>

<th>NAMES</th>

</tr>

<tr>

<td>1</td>

<td>Virat Kohli</td>

</tr>

<tr>

<td>2</td>

<td>M S Dhoni</td>

</tr>

<tr>

<td>3</td>

<td>Rohit Sharma</td>

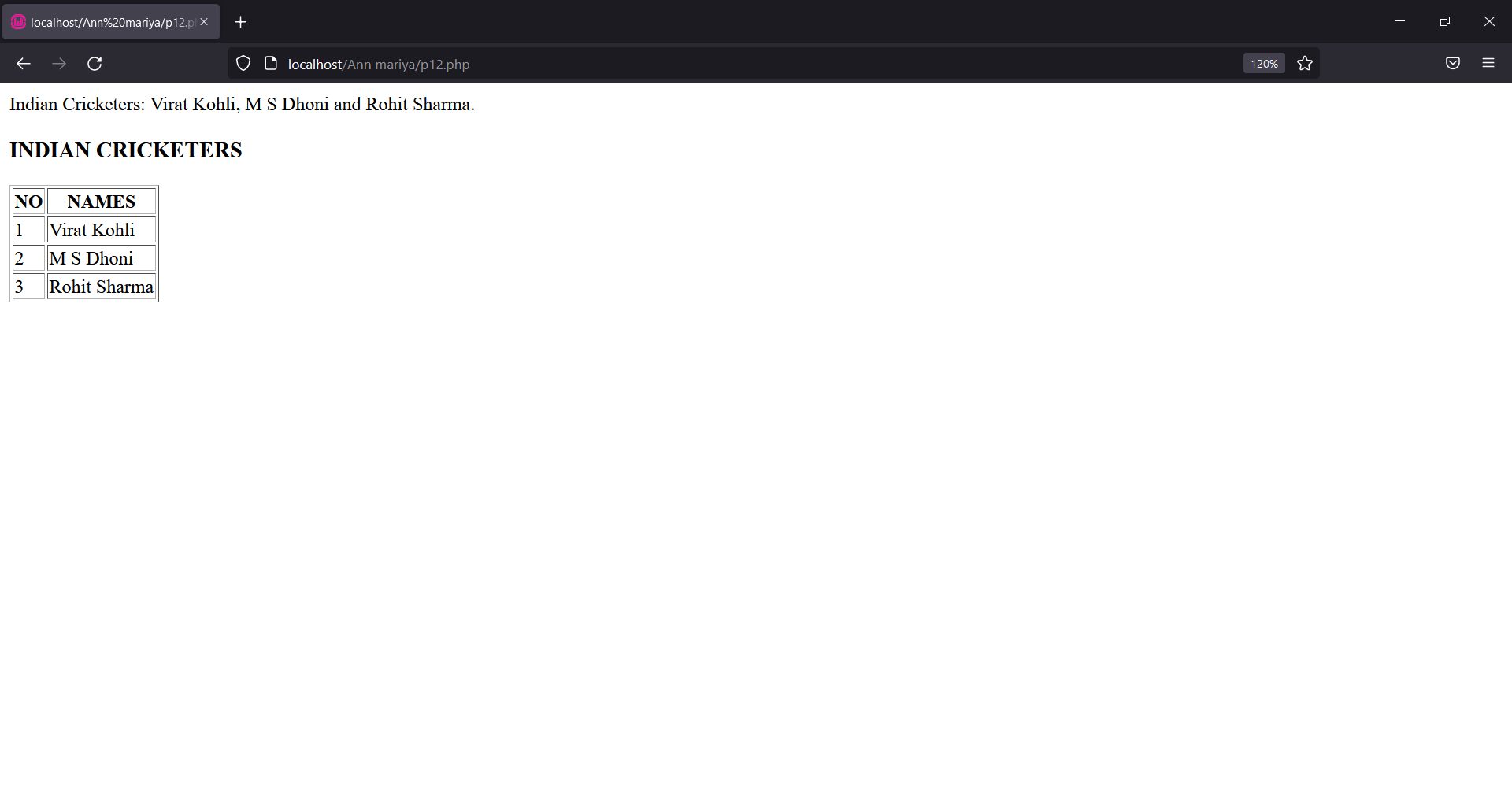
</tr>";

?>

</body>

</html>

**Output**



**No: 13**

**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

**Source code**

Book\_info.html

<html>

<head>

<title>book</title>

</head>

<body align="center"><u>BOOK INFORMATION SYSTEM</u><br><br>

<a href="add\_book.html">Add Book</a><br><br>

<a href="search.html">Search Book</a><br><br>

</body>

</html>

Add\_book.html

<html><head>

<title>add book</title>

<style>

label {

display: inline-block;

width: 300px;

}

</style

</head>

<body>

<form name="frm1" action="addl.php" method="POST">

<b><u>Enter Book Details</u></b><br><br>

<label>Accession Number</label>

<input type="text" name="num"><br><br>

<label>Title:</label><input type="text" name="tit"><br><br>

<label>Author:</label><input type="text" name="author"><br><br>

<label>Edition:</label><input type="text" name="edi"><br><br>

<label>Publisher:</label><input type="text" name="pub"><br><br>

<input type="submit" name="Submit">

<input type="reset" name=“Reset">

</form>

</body>

</html>

Addl.php

<?php

$num=$\_POST['num'];

$tit=$\_POST['tit'];

$author=$\_POST['author'];

$edi=$\_POST['edi'];

$pub=$\_POST['pub'];

$con=new mysqli("localhost","fisat","fisat","fisatdb");

if($con==false)

{

echo "Failed to connect";

}

else

{

echo "connected";

}

$sql="INSERT INTO book28 VALUES($num,'$tit','$author','$edi','$pub')";

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>

<style>

label {

display: inline-block;

width: 300px;

}

</style

</head>

<body>

<form name="frm2" action="searchl.php" method="POST">

<b><u>SEARCH A BOOK</u></b><br><br>

<label>Enter book title:</label>

<input type="text" name="txt"><br><br>

<input type="submit" name="Submit">

</center>

</form>

</body>

</html>

Searchl.php

<?php

$title=$\_POST['txt'];

$con=new mysqli("localhost","fisat","fisat","fisatdb");

if($con==false)

{

echo "Failed to connect";

}

else

{

echo "connected\n";

}

$sql="select \* from book28 where Title='$title'";

if($result=$con->query($sql))

{

if($result->num\_rows>0)

{

while($row=$result->fetch\_array())

{ echo "\n".$row[0].":".$row[1].":".$row[2].":".$row[3].":".

$row[4]."\n";}

$result->close();

}

else

{

echo "\nCould not found the book"; }

}

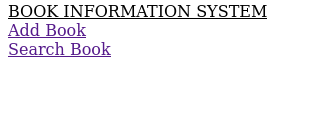
else

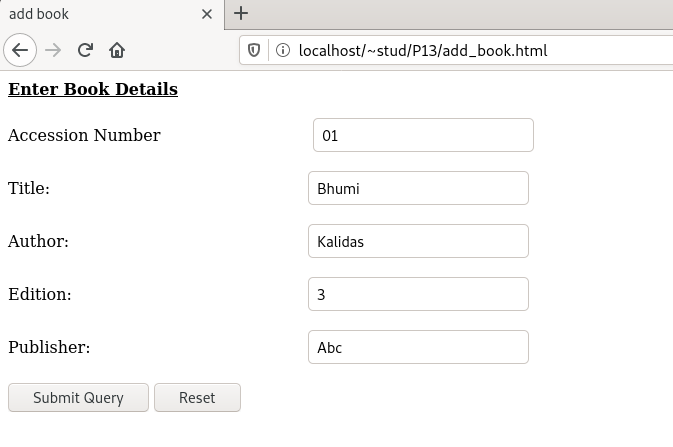
{ echo "\nError:could not connect"; }

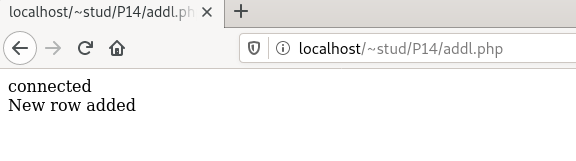
$con->close();

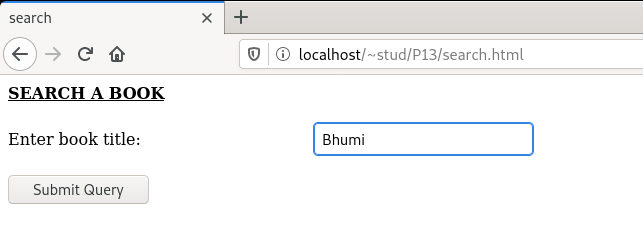
?>

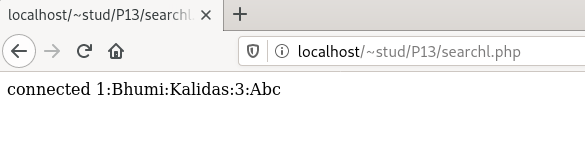
**Output**

****

****

****

****

****

**No: 14**

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

**Source code**

Airline.html

<html>

<head>

<title>Airline</title>

</head>

<body align="center"><u>AIRLINE SYSTEM</u><br><br>

<a href="add.html">Add Airline</a><br><br>

<a href="search.html">Search Airline</a><br>

</body>

</html>

Add.html

<html><head>

<title>Airline details</title></head>

<style>

label {

display: inline-block;

width: 300px;

}

</style>

<body>

<form name="frm1" action="addl.php" method="POST">

<b><u>Enter Airline Details</u></b><br><br>

<label>Airline Number:</label>

<input type="number" name="num"><br></b><br>

<label>Name:</label>

<input type="text" name="name"><br></b><br>

<label>Source:</label>

<input type="text" name="src"><br></b><br>

<label>Destination:</label><input type="text" name="dstn"><br></b><br>

<label>Date:</label><input type="date" name="date"><br></b><br>

<input type="submit" name="Submit">

<input type="reset" name=“Reset">

</form>

</body>

</html>

Addl.php

<?php

$num=$\_POST['num'];

$name=$\_POST['name'];

$src=$\_POST['src'];

$dstn=$\_POST['dstn'];

$date=$\_POST['date'];

$con=new mysqli("localhost","fisat","fisat","fisatdb");

if($con==false)

{

echo "Failed to connect\n";

}

else

{

echo "connected\n";

}

$sql="INSERT INTO airline028 VALUES($num,'$name','$src','$dstn','$date')";

if($con->query($sql))

{

echo "<BR>";

echo "New row added\n";

}

else

{

echo "ERROR:could not execute query";

}

$con->close();

?>

Search.html

<html>

<head>

<title>search</title>

<style>

label {

display: inline-block;

width: 300px;

}

</style>

</head>

<body>

<form name="frm2" action="searchl.php" method="POST">

<b><u>SEARCH AIRLINE</u></b><br><br>

<label>Enter Source:</label>

<input type="text" name="src"><br><br>

<label>Enter Destination:</label>

<input type="text" name="dstn"><br><br>

<input type="submit" name="Submit">

</center>

</form>

</body>

</html>

Searchl.php

<?php

$src=$\_POST['src'];

$dstn=$\_POST['dstn'];

$con=new mysqli("localhost","fisat","fisat","fisatdb");

if($con==false)

{

echo "Failed to connect";

}

else

{

echo "connected\n";

}

$sql="select \* from airline028 where Source='$src' and Destination='$dstn'";

if($result=$con->query($sql))

{

if($result->num\_rows>0)

{

while($row=$result->fetch\_array())

{ echo "\n".$row[0].":".$row[1].":".$row[2].":".$row[3].":".

$row[4]."\n\n";}

$result->close();

}

else

{

echo "\nCould not found the book";

}

}

else

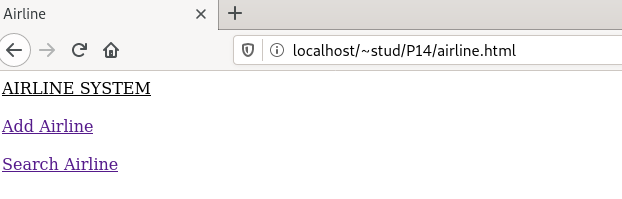
{

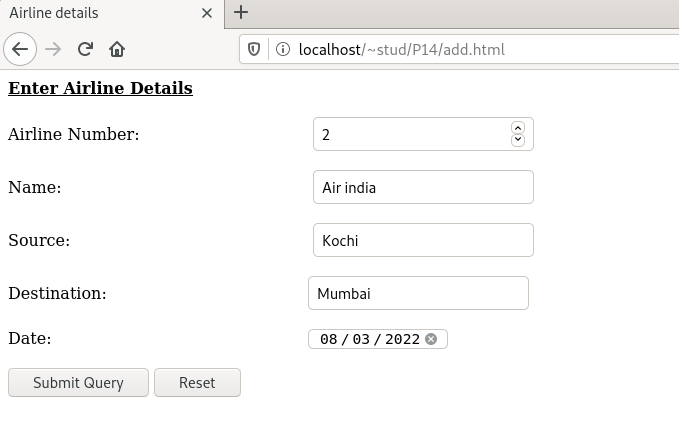
echo "\nError:could not connect";

}

$con->close();

?>

**Output**

****

