

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)TM

HORMIS NAGAR, MOOKKANNOOR

ANGAMALY-683577



'FOCUS ON EXCELLENCE'

LABORATORY RECORD

20MCA133 - WEB PROGRAMMING LAB

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Branch: MASTER OF COMPUTER APPLICATION

Semester: 1 Batch: 2021 A Roll No: 22

University Exam.Reg. No: FIT21MCA-2022

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

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‘FOCUS ON EXCELLENCE’

CERTIFICATE

Certified that this is the Bonafide record of the Practical work done by Mr. ANIL KURIAN(FIT21MCA-2022) in the 20MCA133- WEB PROGRAMMING Laboratory of the Federal Institute of Science and Technology during the academic year 2021-2022.

Signature of Staff in Charge

Signature of H.O.D

Name:

Name:

Date:

Date of University practical examination

Signature of

Signature of

Internal Examiner

External Examiner

CONTENT

SI No:	Date :	Name of Experiment:	Page No:	Signature of Staff –In – Charge:
1	01/11/2021	Create a simple html file to demonstrate the use of different tags.		
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 colour elements. The design should contain a minimum of 3 hyperlinks		
3	08/11/2021	Create an application form for MCA course in FISAT.		
4	22/11/2021	Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.		
5	22/11/2021	Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.		
6	13/12/2021	Create a HTML registration form and to validate the form using JavaScript code		
7	03/01/2022	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 array,indexof, search,includes) (Math Function sround, ceil, floor ,trunc, sign, pow, sqrt, abs, sin ,cos ,min, max, random, log)		
8	03/01/2022	Create a HTML page to change the background color for every click of a button using JavaScript Event Handling		
9	03/01/2022	Generate the calendar using JavaScript code by getting the year and month from the user.		
10	10/01/2022	Compose Electricity bill from user input based on a given tariff using PHP.		

AIM

1. Model a simple HTML file related to your native place to demonstrate the usage of different tags.

PROGRAM CODE

```
<html>
<head>
<title> Native </title>
</head>
<body bgcolor="pink">
<p><b><h1><center><u><i><font
color="red">THIRUVAMBADY</b></i></h3></font></center></u></p>
<p><h3><center><b><font
color="violet">(Kozhikode,Kerala)</center></b></h3></font><p><h3><center><b>
<font
color="violet">(Pin:673603)</center></b></h3></font>
<p><b><font color="yellow">Thiruvambady is famous place because of its nature
beauty. Thiruvmbady is
situated in the district of Kozhikode. The different Malayalam movies are shooted in
thiruvambady,</font><font
face="arial" color="yellow">like Urumi, Khandahar etc.,.</font>
<p>Thiruvambady is a major hill town and a suburb in southeastern Kozhikode
district in Kerala, India.
Thiruvambady is a Panchayat headquarters, and a legislative assembly constituency,
situated 35 kilometres (22
mi) from the district headquarters of Kozhikode.</p>
<p><font color="blue">To view the Google Map view of Thiruvambady,</p>
</font>
<b><p><a href="file:///home/ccf/anil/new.html">Click here</b></a>
<P>Thiruvambady is 35 kilometres (22 mi) from Kozhikode city and is on the banks
of the Iruvanjippuzha River,
which is a major tributary of the Chaliyar River. The town is surrounded by
mountains, valleys, and waterfalls,
such as Thusharagiri Falls and Aripara Falls. Thiruvambady Gramapanchayath was
established on 1 January 1962
```

and consists of 17 wards covering an area of 83.96 square kilometres (32.42 sq mi), which includes 9,000 acres

(3,600 ha) of forest. Thiruvambady is under Koduvally Block Panchayat and Thamarassery Taluk.

Thiruvambady is part of the Wayanad parliamentary constituency. The current MP is Rahul Gandhi.

In 1977, the Thiruvambady assembly constituency of the Kerala Legislative Assembly was established, consisting

of 7 Panchayats. The current MLA is Linto Joseph.

The Major fruits that are available in Thiruvambady,

-

- MANGO

- APPLE

- BANANA

- GRAPE

- PINEAPPLE

- PAPPAYA

- JACKFRUIT


- CHERRY

- LEMON

Thiruvambady is very good at its festivals. There are many festivals conducting

every year. The major Festival in thiruvambady is "MUKKOM FEST" There are many other festivals

occur that is "Thiruvambady Palli perunal, Goshyathra and Thiruvambady maholsavam"



```
</head>
<body>

</body>
</html>
```

OUTPUT



AIM

2.Create your biodata which contain multiple pages (include images , tables, and also link within a page).

PROGRAM CODE

```
<html>
<head>
<title>biodata</title>
</head>
<body bgcolor="grey">
<b><p><h1><center>BIODATA</b></h1></p><br>
<center></center><br>
<p><b><u><center><font color="black">Personal
details</u></center></b></p></font>
<table border="1" width="600" align="center" bgcolor="yellow">
<tr>
<th>Name</th>
<td>Anil Kurian</td>
</tr>
<tr>
<th>Father Name</th>
<td>N T Kurian </td>
</tr>
<tr>
<th>Mother Name</th>
<td>Samma Kurian</td>
</tr>
<tr>
<th>Date of Birth</th>
<td>06/04/2001</td>
</tr>
</table>
```



```

<br><br>
<center>For Qualification details</centers><br><a
href="file:///home/stud/Anil/prg2b.html">Click here </a>
</body>
</html>

```

Qualification code:

```

<html>
<head>
<title>biodata</title>
</head>
<body bgcolor="grey">
<b><p><h1><center>BIODATA</b></h1></p><br>
<center></center><br>
<p><b><u><center><font
color="black">Qualifications</u></center></b></p></font>
<table border="1" width="600" align="center" bgcolor="yellow">
<tr>
<th>Name</th>
<td>Anil Kurian</td>
</tr>
<tr>
<th>10th Percentage</th>
<td>90%</td>
</tr>
<tr>
<th>+2 Percentage</th>
<td>86%</td>
</tr>
<tr>
<th>Degree Percentage</th>
<td>71.20%</td>

```

```

</tr>
</table><br><br>
<center>For Contact details<br>
<a href="file:///home/stud/Anil/prg2c.html">Click Here </a></center>
</body>
</html>

```

Contact details code:

```

<html>
<head>
<title>biodata</title>
</head>
<body bgcolor="grey">
<b><p><h1><center>BIODATA</b></h1></p><br>
<center></center><br>
<p><b><u><center><font color="black">Contact
Details</u></center></b></p></font>
<table border="1" width="600" align="center" bgcolor="yellow">
<tr>
<th>Name</th>
<td>Anil Kurian</td>
</tr>
<tr>
<th>Place</th>
<td>Thiruvambady </td>
</tr>
<tr>
<th>District</th>
<td>Kozhikode</td>
</tr>
<tr>
<th>State</th>

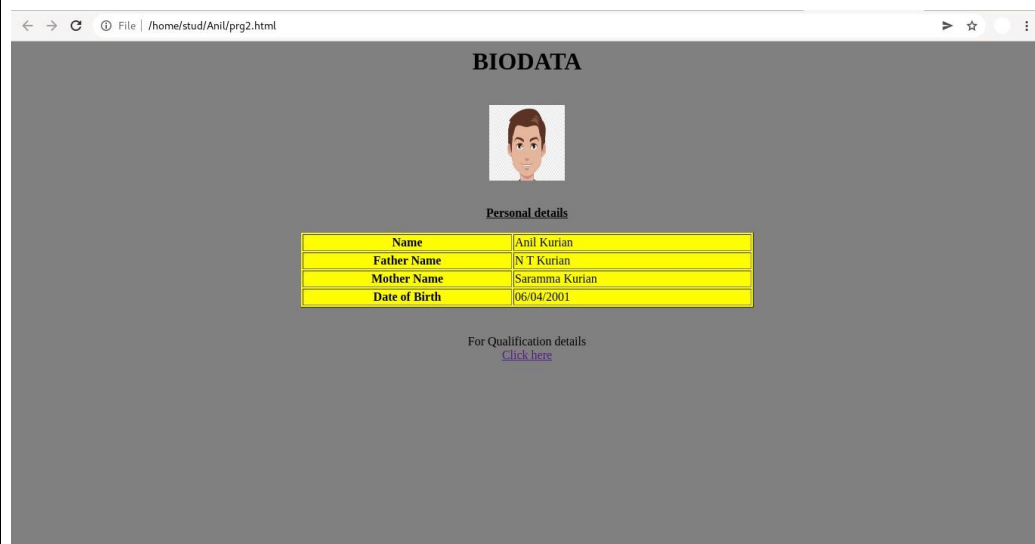
```

```

<td>Kerala</td>
</tr>
<tr>
<th>PIN</th>
<td>673603</td>
</tr>
<tr>
<th>Phone NO.</th>
<td>7510964570</td>
</tr>
<tr>
<th>E-Mail</th>
<td>aniltdy789@gmail.com</td>
</tr>
</table><br>
<center>To return home<br>
<a href="file:///home/stud/Anil/prg2.html">Click Here </a></center></center>
</body>
</html>


```

OUTPUT



← → ↻ ⓘ File | /home/stud/Anil/prg2b.html ▶ ☆ ⋮

BIODATA




Qualifications

Name	Anil Kurian
10th Percentage	90%
+2 Percentage	86%
Degree Percentage	71.20%

For Contact details
[Click Here](#)

← → ↻ ⓘ File | /home/stud/Anil/prg2c.html ▶ ☆ ⋮

BIODATA



Contact Details

Name	Anil Kurian
Place	Thiruvambady
District	Kozhikode
State	Kerala
PIN	673603
Phone NO.	7510964570
E-Mail	anildy789@gmail.com

To return home
[Click Here](#)

AIM

3.Create an application form for MCA course in FISAT.

PROGRAM CODE

```
<html>
<head>
<title>form</title>
</head>
<body bgcolor="Lightskyblue">
<center></center>
<p><b><center>Angamaly,Mookannur,Hormisnagar</p></b></center><br>
<center></center><br><br>
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). The FBOAES is
an initiative of the Federal Bank Officers` Association (FBOA), the sole
representative body of the entire officers
of the Federal Bank.<br>
<br>
<b>Application form for MCA course in FISAT--></b>
<a href="file:///home/stud/Anil/prg3b.html">Click here</a><br><br>
<b>Application form for MBA course in FISAT--></b>
<a href="file:///home/stud/Anil/prg3b.html">Click here</a><br><br>
<b>Application form for B.Tech course in FISAT--></b>
<a href="file:///home/stud/Anil/prg3b.html">Click here</a><br><br>
<b>Application form for M.Tech course in FISAT--></b>
<a href="file:///home/stud/Anil/prg3b.html">Click here</a><br><br>
</body>
</html>
REGISTRATION CODE:
<Html>
<head>
```

```

<title>
Registration Page
</title>
</head>
<body bgcolor="Lightskyblue">
<center></center>
<p><b><center>Angamaly,Mookannur,Hormisnagar</p></b></center><br>
<marquee><h3><b><center><font color="red">APPLICATION FORM FOR
MCA</marquee></center></b></p></font></h3><br>
<form>
First Name:
<input type="text" name="firstname" size="15"/> <br> <br>
Last Name:
<input type="text" name="lastname" size="15"/> <br> <br>
Date of Birth:
<input type="date" name="lastname" size="15"/> <br> <br>
10th Percentage:
<input type="text" name="firstname" size="15"/> <br> <br>
+2 Percentage:
<input type="text" name="firstname" size="15"/> <br> <br>
District:
<select>
<option value="MBA">Alappuzha</option>
<option value="MCA">Ernakulam</option>
<option value="M.Tech">Idukki</option>
<option value="MBA">Kannur</option>
<option value="MCA">Kasaragod</option>
<option value="M.Tech">Kollam</option>
<option value="MBA">Kottayam</option>
<option value="MCA">Kozhikode</option>
<option value="M.Tech">Malappuram</option>
<option value="MBA">Palakkad</option>
<option value="MCA">Pathanamthitta</option>
<option value="M.Tech">Thiruvananthapuram</option>

```

```

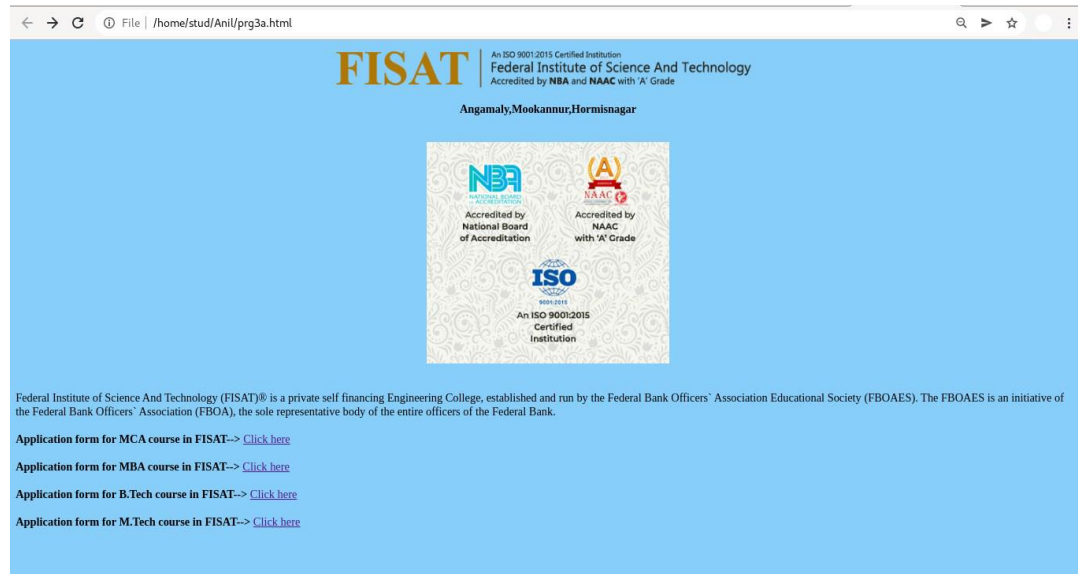
<option value="MCA">Wayanad</option>
<option value="M.Tech">Thrissur</option>
</select><br>
<br>
PIN Code:
<input type="text" name="firstname" size="15"/> <br> <br>
Quota:
<select>
<option value="MBA">Rank List</option>
<option value="MCA">Management with Rank List</option>
<option value="M.Tech">Management</option>
</select><br>
<br>
Gender :
<input type="radio" name="male" value="male"/> Male
<input type="radio" name="female" value="female"/> Female
<input type="radio" name="other" value="other"/> Other
<br> <br>
Phone :
<input type="text" name="country" value="+91" size="2"/>
<input type="text" name="phone" size="10"/> <br> <br>
Degree :
<input type="radio" name="male" value="male"/> BCA
<input type="radio" name="female" value="female"/> B.Sc Computer Science
<input type="radio" name="other" value="other"/> Other
<br> <br>
Address:
    <br>
<textarea cols="80" rows="5" value="address">
</textarea> <br><br>
Email:
<input type="email" id="email" name="email" size="15"/> <br> <br>
<input type="button" value="Submit"/>
</form>

```

</body>

</html>

OUTPUT



FISAT | An ISO 9001:2015 Certified Institution
Federal Institute of Science And Technology
Accredited by NBA and NAAC with 'A' Grade

Angamaly, Mookannur, Hormisnagar

APPLICATION FORM FOR MCA

First Name:

Last Name:

Date of Birth:

10th Percentage:

+2 Percentage:

District:

PIN Code:

Quota:

Gender: ☐ Male ☐ Female ☐ Other

Phone:

Degree: ☐ BCA ☐ B.Sc Computer Science ☐ Other

Address:

Email:

AIM

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

PROGRAM CODE

```
<html>
<head>
<title>float</title>
</head>
<body bgcolor="grey">
<a href="file:///home/stud/Anil/prg4a.html">floatingframe</a><br>
<a href="file:///home/stud/Anil/prg4b.html">navigationframe</a><br>
<a href="file:///home/stud/Anil/prg4c.html">mixedframe</a><br>
</body>
</html>
```

FLOATING FRAME CODE:

```
<html>
<head>
<title>floatingframe</title></head>
<body>
hello<br>
<p>this page contains floatingframes </p>
<iframe src="file:///home/stud/Anil/prg1b.html" width="500"
hieght="500"></iframe>
</html>
```

NAVIGATION FRAME CODE:

```
<html>
<frameset cols="25%,*" scrolling="no" noresize>
<frame name="frame1" src="12.jpg">
<frame name="frame2" src="23.jpeg">
</frameset>
</html>
```

MIXED FRAME CODE:

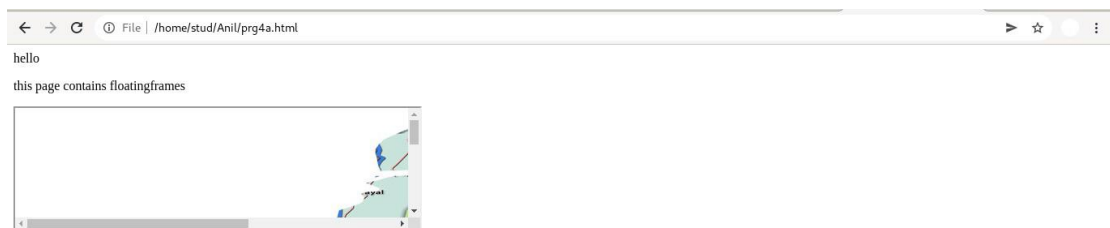
```
<html>
```

```
<frameset cols="25%,*" scrolling="no" noresize>
<frame name="image1" src="ab.jpeg"></frame>
<frameset rows="50%,*" scrolling="no" noresize>
<frame name="image2" src="bc.jpeg"></frame>
<frame name="image3" src="cd.jpg"></frame>
</frameset>
</html>
```

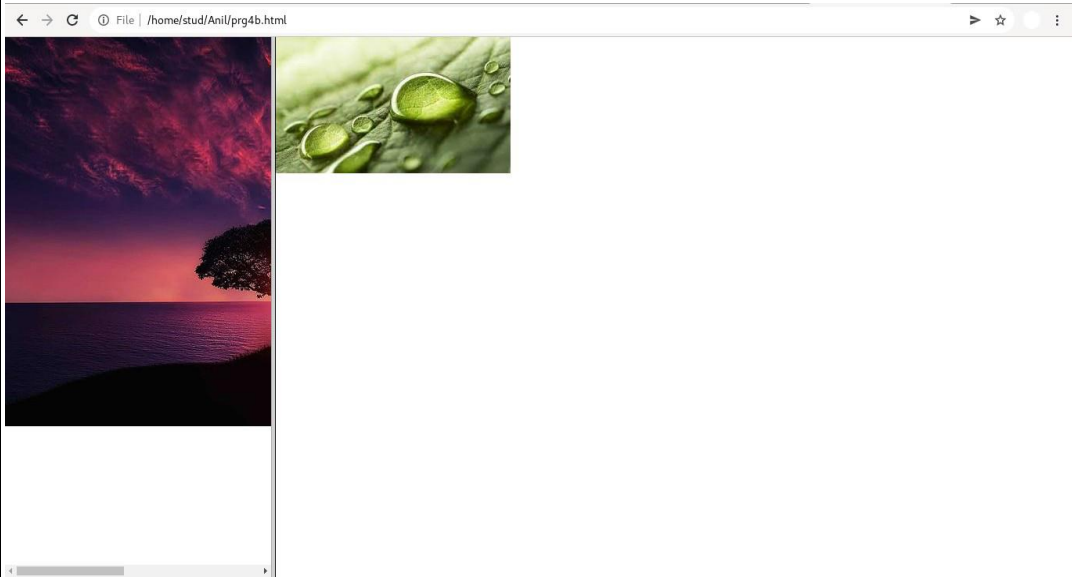
OUTPUT



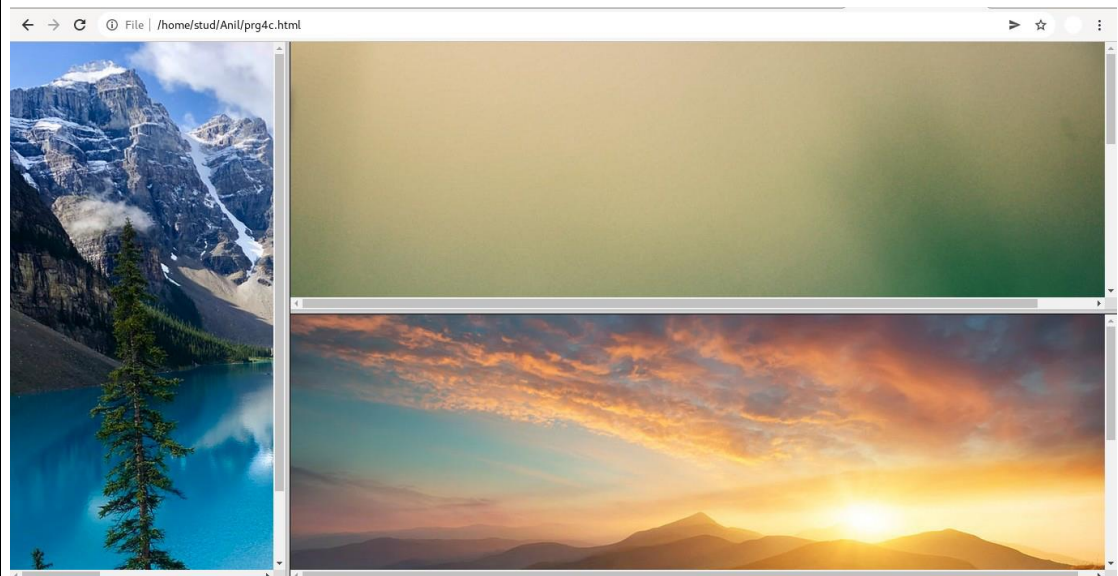
FLOATING FRAME



NAVIGATION FRAME



MIXED FRAME



AIM

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

PROGRAM CODE

```
<html>
<head>
<title>register</title>
<link rel="stylesheet" href="prg5.css">
</head>
<body>
<form method="" action="" align="center">
<caption><h1><center>REGISTRATION FORM</center></caption></h1>
<table width="400">
<tr>
<th>Enter your first name</th>
<td><input type="text" name="fn" id="fn1" maxlength="10"/></td>
</tr>
<tr>
<th>Enter your last name</th>
<td><input type="text"/></td>
</tr>
<tr>
<th>Enter your password</th>
<td><input type="password"/></td>
</tr>
<tr>
<th>ReEnter your password</th>
<td><input type="password"/></td>
</tr>
<tr>
<th>Enter your email</th>
<td><input type="email"/></td>
```

```

</tr>
<tr>
<th>Enter your mobile</th>
<td><input type="number"/></td>
</tr>
<tr>
<th>Enter your address</th>
<td><textarea rows="8" cols="20"></textarea></td>
</tr>
<tr>
<th>Select your gender</th>
<td>
male<input type="radio" name="g" value="m"/>
female<input type="radio" name="g" value="f"/>
</td>
</tr>
<tr>
<th>Qualification</th>
<td>
MCA<input type="checkbox" name="x[]" value="h"/>
BCA<input type="checkbox" name="x[]" value="h2"/>
</td>
</tr>
<tr>
<th>Select your DOB</th>
<td><input type="date"/></td>
</tr>
<tr>
<th>Select your Country</th>
<td>
<select name="country">
<option value="" selected="selected" disabled="disabled">Select your
country</option>

```

```

<option value="1">India</option>
<option value="2">UAE</option>
</select>
</td>
</tr>
<tr>
<th>Upload your pic</th>
<td><input type="file"/></td>
</tr>
</table>
</form>
<pre>
<input type="submit" name="send" value="Send"> <input type="reset"
name="clear" value="Clear"></pre>
</body>
</html>

```

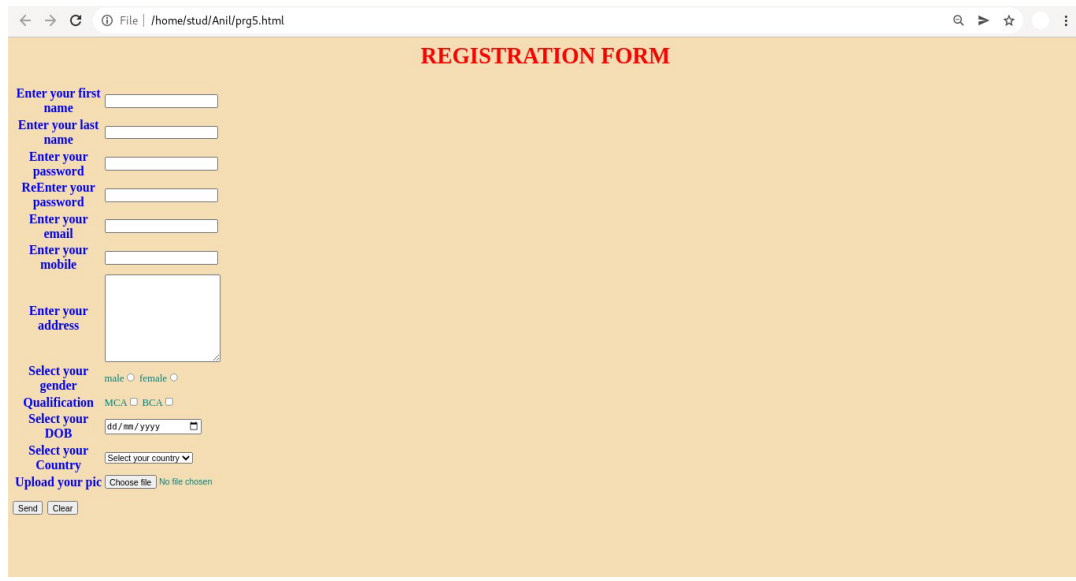
CSS CODE:

```

body{
background-color:wheat;
color:teal;
}
h1{
font-size:36;
color:red;
} th{
font-size:20px;
color:blue;

```

OUTPUT



The screenshot shows a web browser window with the address bar displaying `File | /home/stud/Anil/prg5.html`. The page content is a registration form titled "REGISTRATION FORM" in red text. The form is set against a light orange background and contains the following fields and controls:

- Enter your first name:
- Enter your last name:
- Enter your password:
- ReEnter your password:
- Enter your email:
- Enter your mobile:
- Enter your address:
- Select your gender: ☐ male ☐ female
- Qualification: ☐ MCA ☐ BCA
- Select your DOB:
- Select your Country:
- Upload your pic: No file chosen
- Buttons:

AIM

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

PROGRAM CODE

```
<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: 200px;
}
body{background-color:pink;}
</style>
</head>
<body>
<center></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>
<center><input type="submit" value="Submit"></center>
</form>
</body>
</html>
```

OUTPUT



File | /home/stud/Anil/html/validation.html

Apps Gmail YouTube Maps Reading list


Focus on Excellence

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY(FISAT)

Application Form

Name

Permanent Address

City

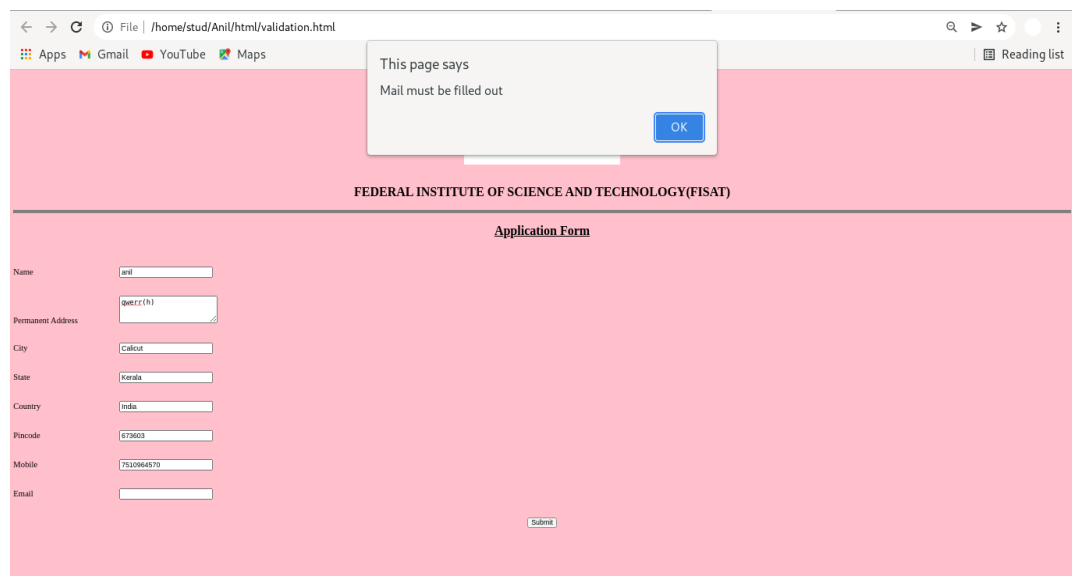
State

Country

Pincode

Mobile

Email



File | /home/stud/Anil/html/validation.html

Apps Gmail YouTube Maps Reading list

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY(FISAT)

Application Form

Name

Permanent Address

City

State

Country

Pincode

Mobile

Email

This page says
Mail must be filled out

AIM

7. Create a HTML page to explain the use of various predefined functions in a string and math objects in Javascript.

PROGRAM CODE

```
<html>
<head><title>String</title>
<script>
function count2(){
text1="nature";
len=text1.length;
alert(len);
}
function str1(){
str2="aleena";
part=str2.slice(0,3);
alert(part);
}
function sub1(){
str3="aleena";
part=str3.substring(0,5);
alert(part);
}
function subb(){
str4="Apple,Banana,kiwi,";
part=str4.substr(5,7);
alert(part);
}
function replace(){
text = "how are you Microsoft";
part = text.replace("Microsoft", "W3Schools");
alert(part);
}
function touppercase(){
```

```
text1 = "hello";
text2 = text1.toUpperCase();
alert(text2);
}
function tolowercase(){
text1 = "HELLO";
text2 = text1.toLowerCase();
alert(text2);
}
function concat(){
text1 = "Hai";
text2 = "Abima";
text3 = text1.concat(" ", text2);
alert(text3);
}
function trim(){
text1 = " HaiAbima ";
text2 = text1.trim();
alert(text2);
}
function char1(){
text = "HELLO ABIMA";
char = text.charAt(0);
alert(char);
}
function convert(){
text="Apple/orange/kiwi";
text1=text.split("/");
alert(text1);
}
function index(){
str = "Have a nice day";
part=str.indexOf("nice");
alert(part);
```

```
}  
function search(){  
str = "Have a nice day";  
part=str.search("day");  
alert(part);  
}  
function include(){  
text = "Have a nice day";  
part=text.includes("nice");  
alert(part);  
}  
function round(){  
fun=Math.round(4.7);  
alert(fun);  
}  
function ceil(){  
fun1=Math.ceil(5.5);  
alert(fun1);  
}  
function floor(){  
fun2=Math.floor(-4.2);  
alert(fun2);  
}  
function trunc(){  
fun3=Math.trunc(7.6);  
alert(fun3);  
}  
function sign(){  
fun4=Math.sign(-8);  
alert(fun4);  
}  
function pow(){  
fun5=Math.pow(10,2);  
alert(fun5);
```

```
}  
function sqrt(){  
fun6=Math.sqrt(169);  
alert(fun6);  
}  
function abs(){  
fun7=Math.abs(-5.6);  
alert(fun7);  
}  
function sin(){  
fun8=Math.sin(60*Math.PI/180);  
alert(fun8);  
}  
function cos(){  
fun9=Math.cos(30*Math.PI/180);  
alert(fun9);  
}  
function min1(){  
fun10=Math.min(-22,45,-6);  
alert(fun10);  
}  
function max1(){  
fun11=Math.max(-9,45,-2,0,34,123);  
alert(fun11);  
}  
function random(){  
fun12=Math.random();  
alert(fun12);  
}  
function log(){  
fun13=Math.log(3);  
alert(fun13);  
}  
</script>
```

```

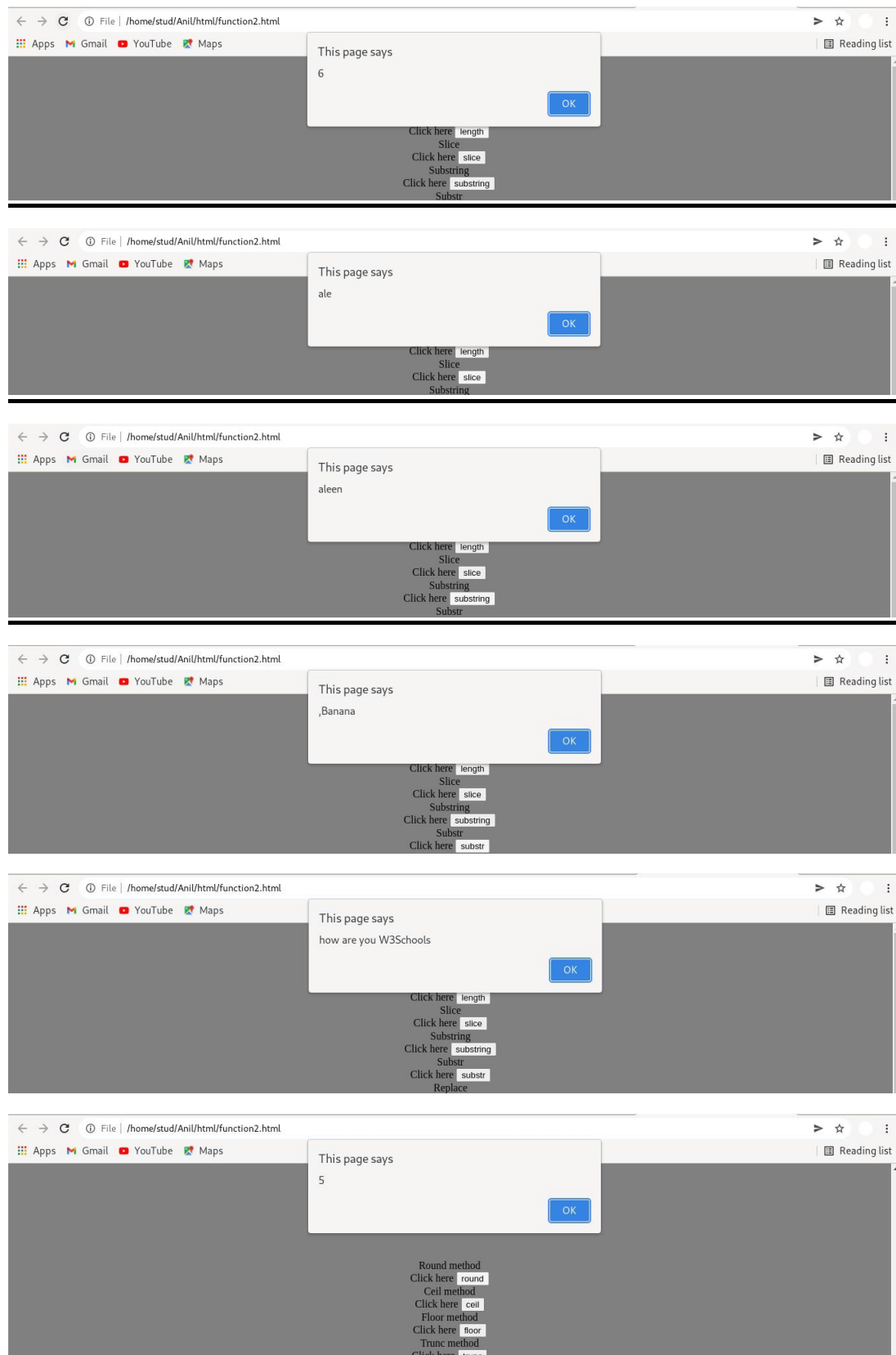
</head>
<body><h1 color="green">STRING METHOD</h1><br>
Length of a string<br>Click here
<input type="button" onclick="count2()" value="length"><br>
Slice<br>Click here
<input type="button" onclick="str1()" value="slice"><br>
Substring<br>Click here
<input type="button" onclick="sub1()" value="substring"><br>
Substr<br>Click here
<input type="button" onclick="subb()" value="substr"><br>
Replace<br>Click here
<input type="button" onclick="replace()" value="replace"><br>
Covert from lower case to upper case<br>Click here
<input type="button" onclick="touppercase()" value="uppercase"><br>
Convert from upper case to lower case<br>Click here
<input type="button" onclick="tolowercase()" value="lowercase"><br>
Join two or more strings<br>Click here
<input type="button" onclick="concat()" value="concat"><br>
Trim method<br>Click here
<input type="button" onclick="trim()" value="trim"><br>
Chartat method<br>Click here
<input type="button" onclick="char1()" value="charAt"><br>
Covert method<br>Click here
<input type="button" onclick="convert()" value="convert"><br>
Indexof method<br>Click here
<input type="button" onclick="index()" value="index"><br>
Search method<br>Click here
<input type="button" onclick="search()" value="search"><br>
Include method<br>Click here
<input type="button" onclick="include()" value="include"><br><h1
color="blue">MATH METHOD</h1><br>
Round method<br>Click here
<input type="button" onclick="round()" value="round"><br>
Ceil method<br>Click here

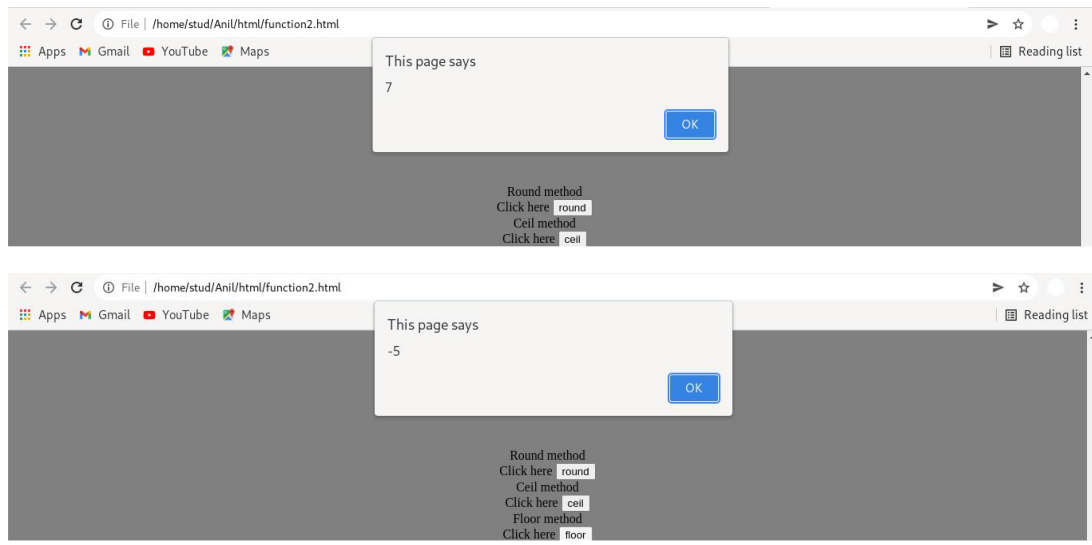
```



```
<input type="button" onclick="ceil()" value="ceil"><br>
Floor method<br>Click here
<input type="button" onclick="floor()" value="floor"><br>
Trunc method<br>Click here
<input type="button" onclick="trunc()" value="trunc"><br>
Sign method<br>Click here
<input type="button" onclick="sign()" value="sign"><br>
Power method<br>Click here
<input type="button" onclick="pow()" value="pow"><br>
Square root of x<br>Click here
<input type="button" onclick="sqrt()" value="sqrt"><br>
Absolute value of x<br>Click here
<input type="button" onclick="abs()" value="abs"><br>
Sin of x<br>Click here
<input type="button" onclick="sin()" value="sin"><br>
Cos of x<br>Click here
<input type="button" onclick="cos()" value="cos"><br>
Minimum value<br>Click here
<input type="button" onclick="min1()" value="min"><br>
Maximum value<br>Click here
<input type="button" onclick="max1()" value="max"><br>
Random<br>Click here
<input type="button" onclick="random()" value="random"><br>
Log method<br>Click here
<input type="button" onclick="log()" value="log"><br>
</body>
</html>
```

OUTPUT





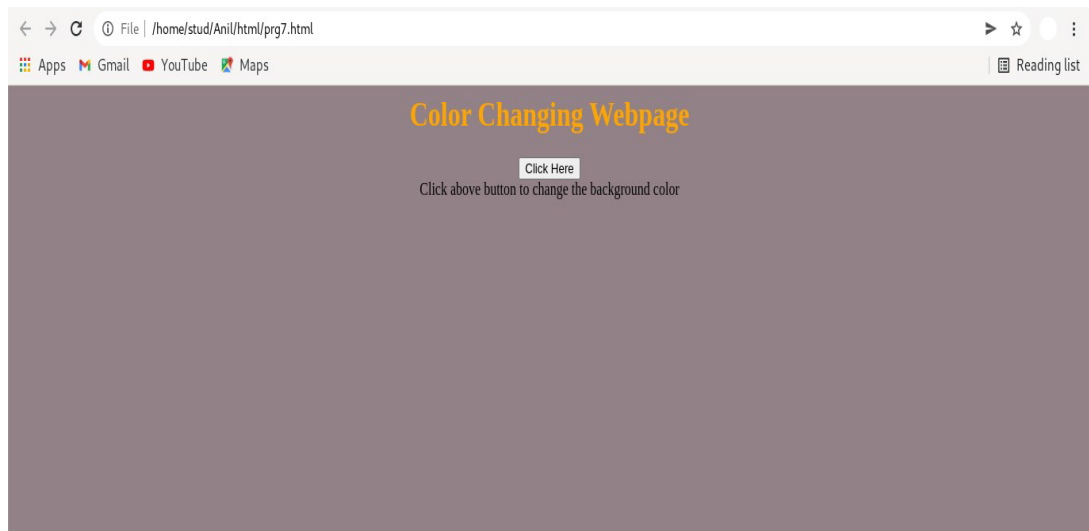
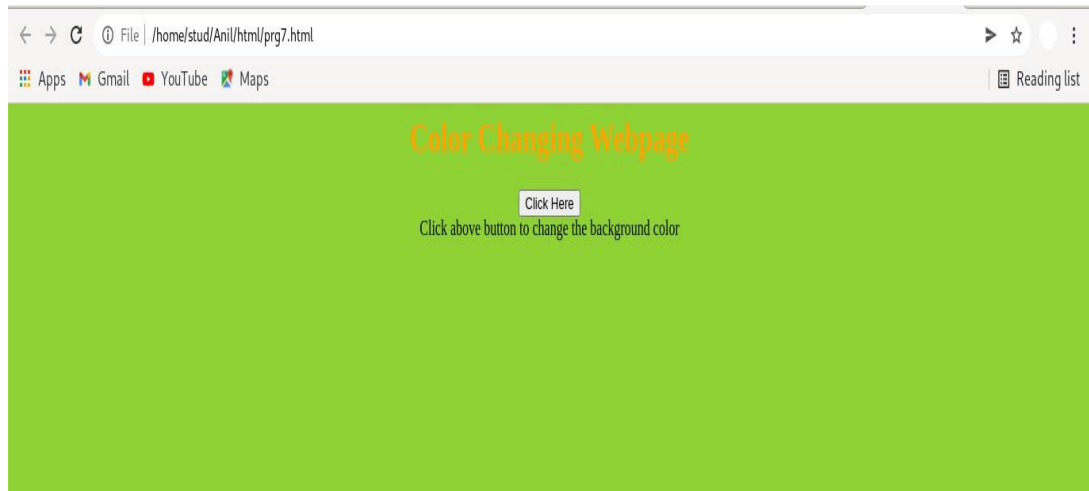
AIM

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

PROGRAM CODE

```
<html>
<head>
<title>
changing the background color
</title>
</head>
<body style = "text-align:center;">
<b><h1 style = "color:orange;" >
Color Changing Webpage</b>
</h1>
<button type="button" id="color-button" onclick="changeBg()">Click Here
</button>
<br>
<script>
document.writeln( "Click above 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

9. Generate the calendar using JavaScript code by getting the year and month from the user.

PROGRAM CODE

```

<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: pink;
}
</style>
</head>
<body>
<b><h2><center><fontcolor="orange">CALENDAR</center></h2></font></b>
Enter The year : <input type="number" name="cal" id="cal" /><br>
Enter The Month: <input type="number" name="month" id="month" /> <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</t
h><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;
}
reateCalendar(calendar, year, month);
</script>
</body>
</html>

```

OUTPUT

Enter The year : 2001

Enter The Month: 4

MON	TUE	WED	THU	FRI	SAT	SUN
*	*	*	*	*	*	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	*	*	*	*	*	*

AIM

10.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['unit-submit'])) {
    $units = $_POST['units'];
    if (!empty($units)) {
        $result = calculate_bill($units);
        $result_str = 'Total amount of ' . $units . ' - ' . $result;
    } } /**
 * To calculate electricity bill as per unit cost
 */
function calculate_bill($units) {
    $unit_cost_first = 3.50;
    $unit_cost_second = 4.00;
    $unit_cost_third = 5.20;
    $unit_cost_fourth = 6.50;
    if($units <= 50) {
        $bill = $units * $unit_cost_first;
    } else if($units >
50 && $
units <= 100) {
        $temp = 50 * $unit_cost_first;
        $remaining_units = $units - 50;
        $bill = $temp + ($remaining_units * $unit_cost_second);
    } else if($units >
100 && $

```



```

units <= 200) {
$temp = (50 * 3.5) + (100 * $unit_cost_second);
$remaining_units = $units - 150;
$bill = $temp + ($remaining_units * $unit_cost_third);
} else {
$temp = (50 * 3.5) + (100 * $unit_cost_second) + (100 * $unit_cost_third);
$remaining_units = $units - 250;
$bill = $temp + ($remaining_units * $unit_cost_fourth);
}
return number_format((float)$bill, 2, '.', '');
}
?>
<body>
<div id="page-wrap">
<h1>Php - Calculate Electricity Bill</h1>
<form action="" method="post" id="quiz-form">
<input type="number" name="units" id="units" placeholder="Please enter no. of
Units" />
<input type="submit" name="unit-submit" id="unit-submit" value="Submit" />
</form>
<div>
<?php echo '<br />' . $result_str; ?>
</div>
</div>
</body>
</html>

```

OUTPUT

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Php - Calculate Electricity Bill

Please enter no. of Units

Total amount of 1235 - 7497.50

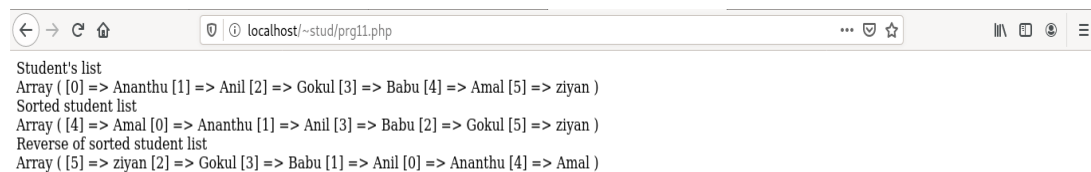
AIM

11. 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

```
<?php
$student=array("Ananthu","Anil","Gokul","Babu","Amal","ziyan");
echo "Student's list";
echo "<br>";
print_r($student);
echo "<br>";
echo "Sorted student list";
echo "<br>";
asort($student);
print_r($student);
echo "<br>";
echo "Reverse of sorted student list";
echo "<br>";
arsort($student);
print_r($student);
?>
```

OUTPUT



```
Student's list
Array ( [0] => Ananthu [1] => Anil [2] => Gokul [3] => Babu [4] => Amal [5] => ziyan )
Sorted student list
Array ( [4] => Amal [0] => Ananthu [1] => Anil [3] => Babu [2] => Gokul [5] => ziyan )
Reverse of sorted student list
Array ( [5] => ziyan [2] => Gokul [3] => Babu [1] => Anil [0] => Ananthu [4] => Amal )
```

AIM

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

PROGRAM CODE

```
<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

Indian Cricketers: Virat Kohli, M S Dhoni and Rohit Sharma.

INDIAN CRICKETERS

NO	NAMES
1	Virat Kohli
2	M S Dhoni
3	Rohit Sharma

AIM

13. 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**bookinfo.html:**

```
<html>
<head>
<title>book</title>
</head>
<body align="center"><u>BOOK INFORMATION SYSTEM</u><br>
<a href="addbook.html">Add Book</a><br>
<a href="search.html">Search Book</a><br>
</body>
</html>
```

addbook.html:

```
<html><head>
<title>add book</title></head>
<body>
<form name="frm1" action="addl.php" method="POST">
<center><b><u>Enter Book Details</u></b><br>
Access Number:<input type="text" name="num"><br>
Title:<input type="text" name="tit"><br>
Author:<input type="text" name="author"><br>
Edition:<input type="text" name="edi"><br>
Publisher:<input type="text" name="pub"><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";
}
$sql="INSERT INTO book2 VALUES($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>
</head>
<body>
<form name="frm2" action="searchl.php"
method="POST">
<center>
<b><u>SEARCH A BOOK</u></b><br>
Enter book title:<input type="text" name="txt"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>

```

searchl.php:

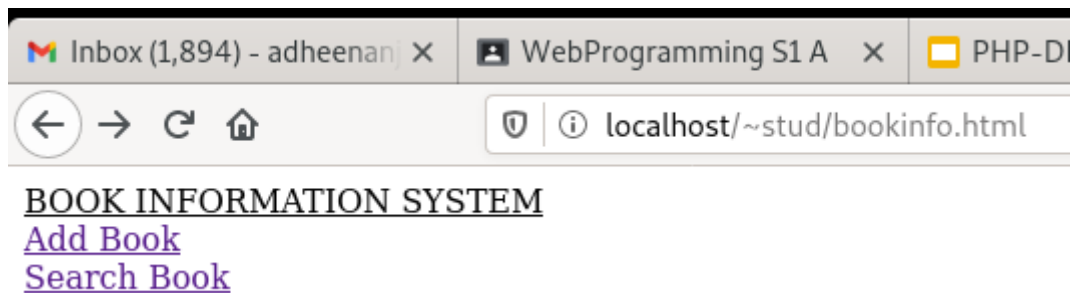
```

<?php
$title=$_POST['txt'];
$con=new
mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected \n";
}
$sql="select * from book2 where Title='$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



S1 A × PHP-DB_Conn-2022 - G × add book × +

tud/addbook.html

Enter Book Details

Access Number: 1

Title: dbms

Author: c.k gopalan

Edition: third

Publisher: hfc

Submit Query

Reset

Inbox (1,894) - adheenanj × WebProgramming S1 A ×

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connected
New row added

```

stud@debian:~$ mysql -u fisat -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 59
Server version: 10.5.11-MariaDB-1 Debian 11

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use fisatdb
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MariaDB [fisatdb]> create table book2(access_no int(10),title varchar(20),author varchar(20),edition varchar(20),publisher varchar(20));
Query OK, 0 rows affected (0.120 sec)

MariaDB [fisatdb]> desc book2;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| access_no | int(10) | YES | | NULL | |
| title | varchar(20) | YES | | NULL | |
| author | varchar(20) | YES | | NULL | |
| edition | varchar(20) | YES | | NULL | |
| publisher | varchar(20) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.002 sec)

MariaDB [fisatdb]> select * from book2;
+-----+-----+-----+-----+-----+-----+
| access_no | title | author | edition | publisher |
+-----+-----+-----+-----+-----+-----+
| 1 | dbms | c.k gopalan | third | hfc |
| 2 | java | k.k rajeev | second | hww |
| 3 | python | p.k rajeev | fifth | llp |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [fisatdb]> █

```

The image shows a web browser window with the address bar displaying 'ud/search.html'. The page content includes a heading 'SEARCH A BOOK' and a form with the label 'Enter book title:' followed by a text input field containing 'dbms'. Below the input field is a 'Submit Query' button. Below the browser window, a terminal window is visible, showing the output 'connected 1:dbms:c.k gopalan:third:hfc'.

SEARCH A BOOK

Enter book title: dbms

Submit Query

connected 1:dbms:c.k gopalan:third:hfc

AIM

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

PROGRAM 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="search1.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">

```

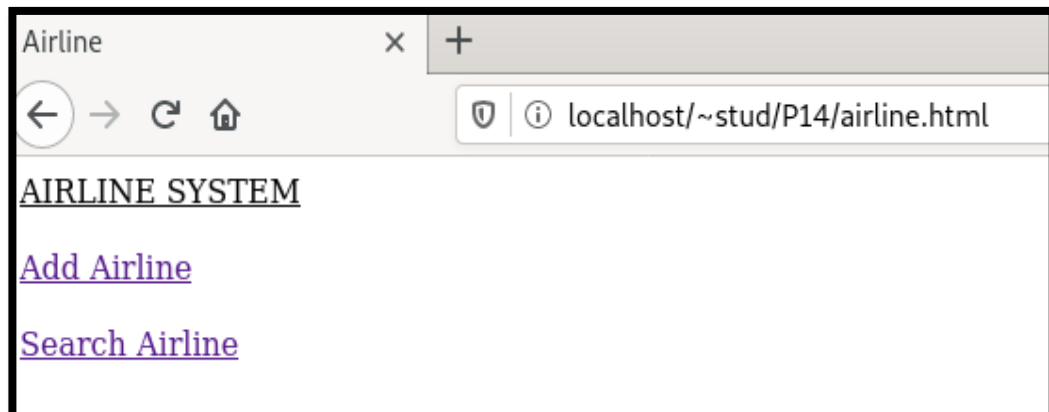
```

</center>
</form>
</body>
</html>
Search.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



A screenshot of a web browser window titled "Airline details". The address bar shows "localhost/~stud/P14/add.html". The page content includes the heading "Enter Airline Details" and a form with the following fields and values:

Field	Value
Airline Number:	2
Name:	Air india
Source:	Kochi
Destination:	Mumbai
Date:	08 / 03 / 2022

At the bottom of the form are two buttons: "Submit Query" and "Reset".


```
MariaDB [fisatdb]> select * from airline028;
```

Airline_number	Name	Source	Destination	Date
16	ABC	TVM	Pune	2022-02-28
23	ahc	Kozhikode	Tvm	2022-03-30
12	xyz	Kochi	Mumbai	2022-03-13
23	qwe	UK	India	2022-03-16

4 rows in set (0.000 sec)

search

localhost/~stud/P14/search.html

SEARCH AIRLINE

Enter Source:

Enter Destination:

localhost/~stud/P14/searchl x +

localhost/~stud/P14/searchl.php

connected 12:xyz:Kochi:Mumbai:2022-03-13 2:Air india:Kochi:Mumbai:2022-03-08