

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)TM

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577



FOCUS ON EXCELLENCE

20MCA133 WEB PROGRAMMING LAB

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Semester: 1

Batch: A

Roll No: 12

Registration number: FIT21MCA2011

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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 **AKSHAYA VARGHESE (FIT21MCA2011)** 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

Signature of
Internal Examiner

Signature of
External Examiner

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PROGRAM 1

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

PROGRAM CODE

PG1.HTML

```
<html>
<head>
<title>pg1</title>
</head>
<body background="bg.jpeg">
<h1 align="center"Font color="#336699" ><u>Native Place</font></u></h1>
<hr align="center" size="10" width="100%">
<font color="blue"><h3 align="center">KERALA</h3></font>


<p><font color="#664422">Kerala, a state on India's tropical Malabar Coast, has
nearly 600km of Arabian Sea shoreline. It's known for its palm-lined beaches and
backwaters, a network of canals. Inland are the Western Ghats, mountains whose
slopes support tea, coffee and spice plantations as well as wildlife. National parks like
Eravikulam and Periyar, plus Wayanad and other sanctuaries, are home to elephants,
langur monkeys and tigers.</p>
<font color="#226622"><br><marquee width="100%" direction="left">
Districts of Kerala:</marquee>
<ol><li>Alappuzha</li>
<li>Ernakulam</li><li>Idukki</li><li>Kannur</li>
<li>Kasaragod</li><li>Kollam</li><li>Kottayam</li>
<li>Kozhikode</li><li>Malappuram</li><li>Palakkad</li>
<li>Pathanamthitta</li><li>Thiruvananthapuram</li>
<li>Thrissur</li><li>Wayanad</li></ol></font>
The chief minister of Kerala: <a href="cm.html">Pinarayi Vijayan</a><br>
Agriculture in Kerala:<br>
<ul>
<li>Alleppey Green Cardamom</li><li>Alleppy Coir</li>
```

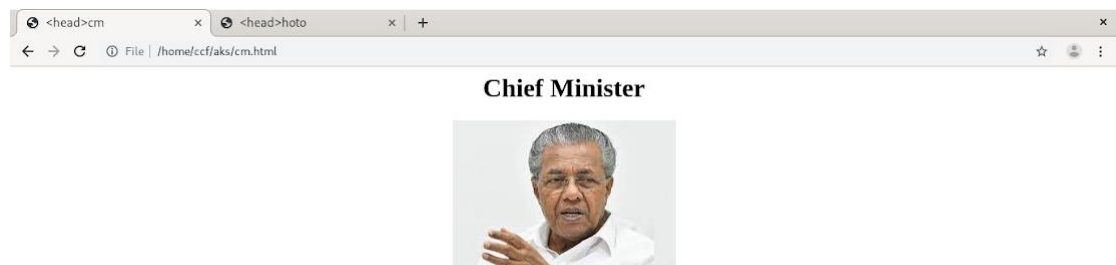
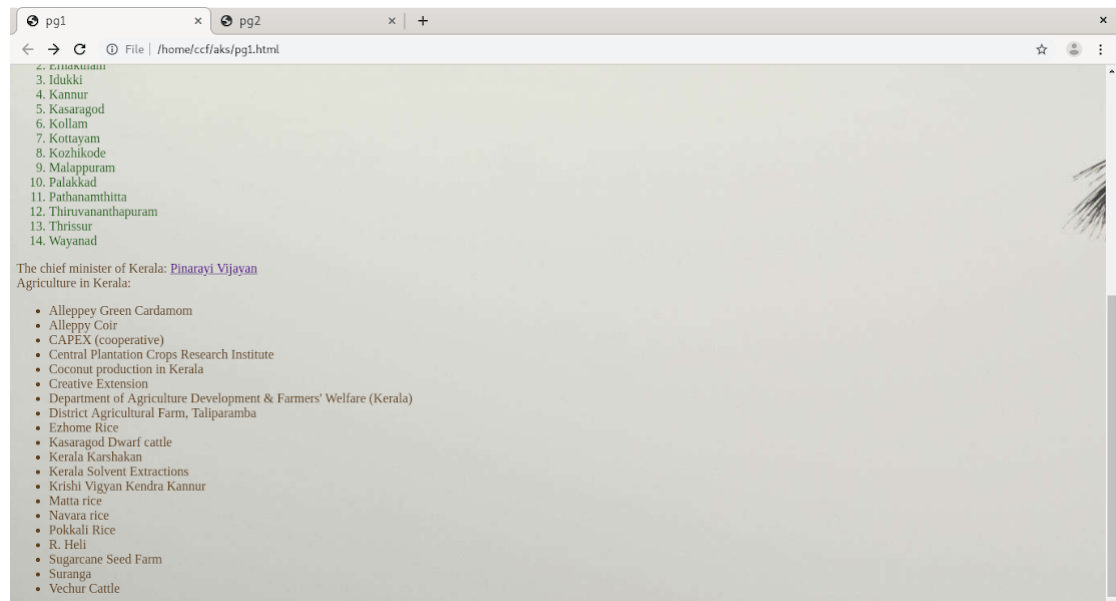
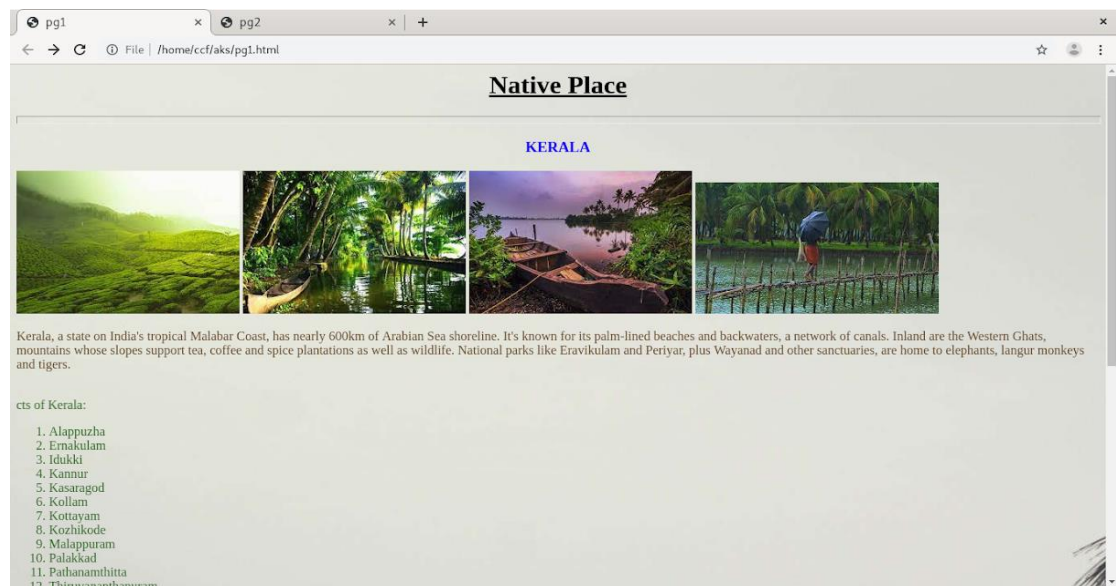
```
<li>CAPEX (cooperative)</li><li>Central Plantation Crops Research Institute</li>
<li>Coconut production in Kerala</li><li>Creative Extension</li>
<li>Department of Agriculture Development & Farmers' Welfare (Kerala)</li>
<li>District Agricultural Farm, Taliparamba</li>
<li>Ezhome Rice</li><li>Kasaragod Dwarf cattle</li>
<li>Kerala Karshakan</li><li>Kerala Solvent Extractions</li>
<li>Krishi Vigyan Kendra Kannur</li><li>Matta rice</li>
<li>Navara rice</li><li>Pokkali Rice</li>
<li>R. Heli</li><li>Sugarcane Seed Farm</li>
<li>Suranga</li><li>Vechur Cattle</li>
</body>
</html>
```

CM.HTML

```
<html>
<head><title><head>cm</title></head>
<body>
<center>
<h1>Chief Minister</h1>

</center>
</body>
</html>
```

OUTPUT



PROGRAM 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 colour elements. The design should contain a minimum of 3 hyperlinks

SOURCE CODE

menu.html

```
<html>

<head><title>menu</title></head>

<body><ul>

<li><a href="aca.html" target = "main">Academic</a></li>

<li><a href="skill.html" target = "main">Skill</a></li>

<li><a href="per.html" target = "main">Personal detail</a></li></ul>

</body>

</html>
```

navi.html

```
<html>

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

<frameset rows="150,*">

<frame name="pg2" src="pg2.html"><frame name="home" src="home.html">

</frameset>

</html>
```

per.html

```
<html>

<head><title>per</title></head>

<body background="pp.png">
```



```
<center><b>Personal detail:</b></center><hr align="center" size="5"
width="100%">
```

```
<center></center>
```

```
<br><table>
```

```
<tr><td>name:</td><td>Akshaya Varghese</td></tr>
```

```
<tr><td>DOB:</td><td>23-03-2000</td></tr>
```

```
<tr><td>adress:</td><td>Panjikaran house, Thrissur</td></tr>
```

```
</table>
```

```
</body>
```

```
</html>
```

```
pg2.html
```

```
<html>
```

```
<head><title>pg2</title></head>
```

```
<body background="q.jpeg">
```

```
<h1 align="center"Font color="#336699" ><u>BIO DATA</font></u></h1>
```

```
<font color="blue"><h3 align="center">AKSHAYA VARGHESE</h3></font>
```

```
<h5 align="right">email id: akshayavarghese03@gmail.com<br>
```

```
phone no:7034631746</h5>
```

```
</body>
```

```
</html>
```

```
skill.html
```

```
<html>
```

```
<head><title>skill</title></head>
```

```
<body background="sk.png">
```

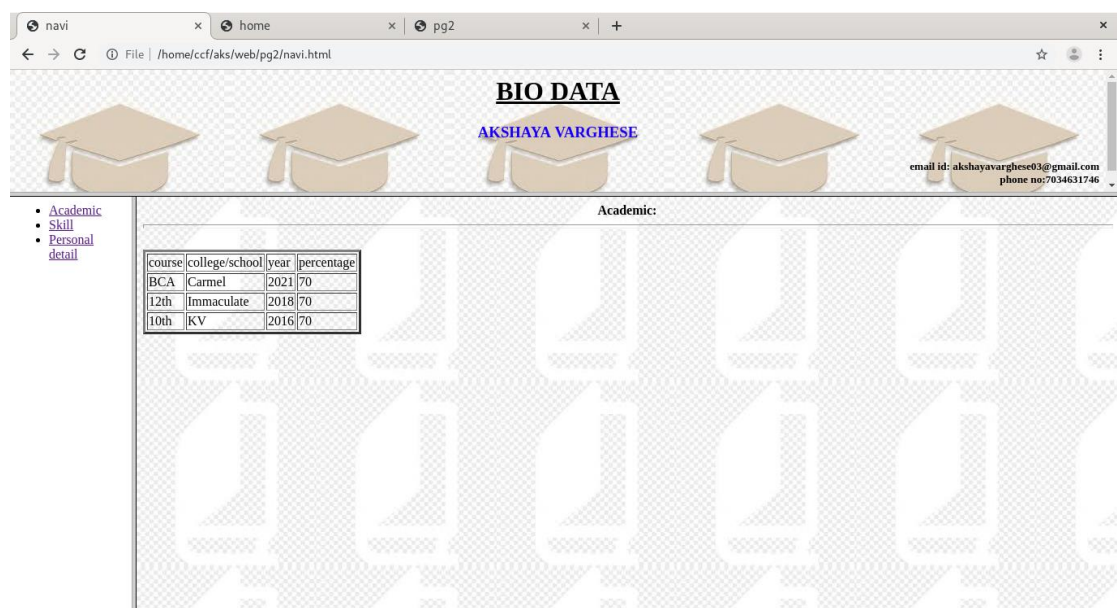
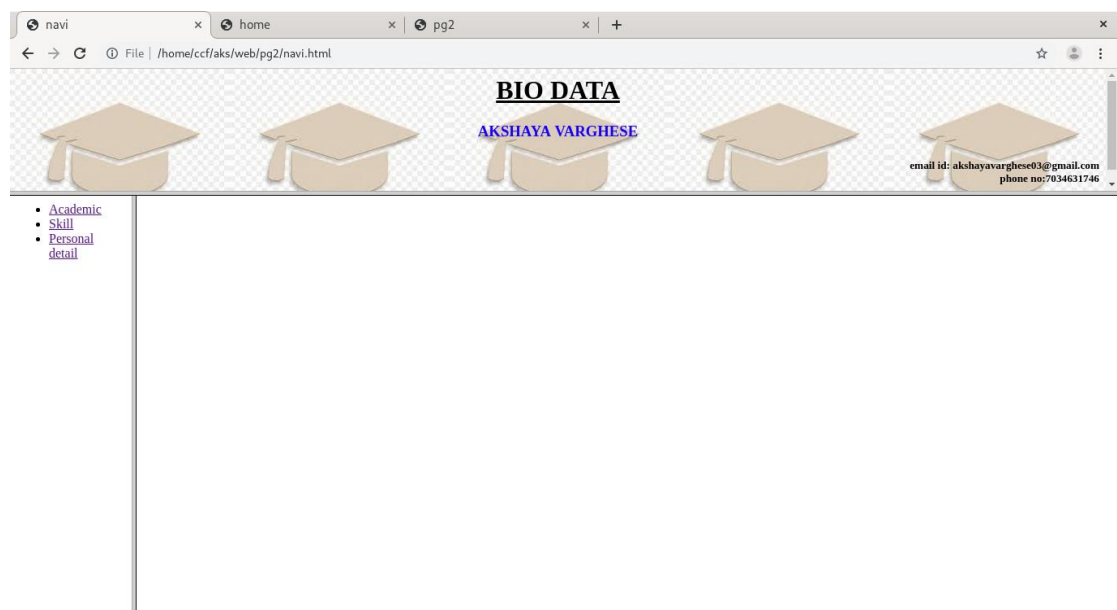
```
<center><b>Skill:</b></center><hr align="center" size="5" width="100%">
```

```

<ul><li>Creativity</li><li>Interpersonal Skills</li>
<li>Critical Thinking</li><li>Problem Solving</li>
<li>Public Speaking</li><li>Customer Service Skills</li>
<li>Teamwork Skills</li><li>Communication</li>
</ul></body>
</html>

```

OUTPUT



navi home pg2

File | /home/ccf/aks/web/pg2/navi.html

BIO DATA

AKSHAYA VARGHESE

email id: akshayavarghese03@gmail.com
phone no: 7034631746

- [Academic](#)
- [Skill](#)
- [Personal detail](#)

Skill:

- Creativity
- Interpersonal Skills
- Critical Thinking
- Problem Solving
- Public Speaking
- Customer Service Skills
- Teamwork Skills
- Communication

navi home pg2

File | /home/ccf/aks/web/pg2/navi.html

BIO DATA

AKSHAYA VARGHESE

email id: akshayavarghese03@gmail.com
phone no: 7034631746

- [Academic](#)
- [Skill](#)
- [Personal detail](#)

Personal detail:

name: Akshaya Varghese
DOB: 23-09-2000
address: Panikaran house, Thrissur

PROGRAM 3

AIM: Create an application form for MCA course in FISAT.

SOURCE CODE

application.html

```
<html>

<head><title>Application</title></head>

<body bgcolor="Silver"><br>

<center></center>

<h1 align="center">Federal Institute of Science And Technology (FISAT)</h1><hr
size="5" width=100%" noshade>

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

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

<tr><th colspan="2"><h3>Basic Details</h3><hr size="5" width=100%"
noshade<br><br></th></tr>

<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>

<tr><td>Nationality:<br><br></td>

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

<tr><td>Religion:<br><br></td>

<td><select name="Religion" ><option>Christian</option>
<option>Hindu</option><option>Musilm</option>
<option>Others</option></select><br><br></td></tr>

<tr><td>Community:<br><br></td><td><select name="Community">
<option>General</option><option>ST</option><option>SC</option>
<option>Others</option></select><br><br></td></tr>

<tr><th>Father's Details<br><br></th></tr>

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

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

<tr><td>Occupation:<br><br></td>

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

```

```

<tr><td>Designation:<br><br></td>

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

<tr><td>Official Address:<br><br></td>

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

<tr><td>Phone No:<br><br></td>

<td><input type="number" size="20" ><br><br></td></tr>

<tr><th>Mother's Details<br><br></th></tr>

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

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

<tr><td>Occupation:<br><br></td>

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

<tr><td>Designation:<br><br></td>

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

<tr><td>Official Address:<br><br></td>

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

<tr><td>Phone No:<br><br></td>

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

<tr><th colspan="2"><h3>Academic Qualification</h3><hr size="5" width="100%"
noshade<br><br></th></tr>

<tr><td>Entrance Rank(if available):<br><br></td>

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

<tr><td>Tenth %:<br><br></td><td><input type="number" size="50"
><br><br></td></tr>

<tr><td>Plus Two %:<br><br></td>

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

```

```

<tr><td>Whether candidate has<br>studied mathematics at<br>
+2/degree % :<br><br></td><td>Yes<input type="radio" value="yes" >
No<input type="radio" value="no" ><br><br></td></tr>

<td>Graduation <br>Course<br> taken/completed %:<br><br></td>

<td>BSc<input type="radio" value="BSc" >
BCA<input type="radio" value="bca" >Bcom<input type="radio" value="bcom" >
Others<input type="radio" value="others" ><br><br></td></tr>

<tr><td>Degree Percentage(upto<br>published<br>semester):<br><br></td>

<td><input type="text" size="20" ><br><br></td></tr>

<tr><td>Semester upto<br>result availabe:<br><br></td>

<td><input type="text" size="20" ><br><br></td></tr>

<tr><td>Remarks (If<br> previous work <br>experience- give<br> designation,<br>
Organization and<br> experience in<br> years):<br><br></td>

<td><input type="text" size="20" ><br><br></td></tr>

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

</tr>

</table>

</body>

</html>

```


OUTPUT

Application

File | /home/stud/akshaya/web/applicationform.html

Apps Gmail YouTube Maps

Reading list



Federal Institute of Science And Technology (FISAT)

Application Form

Basic Details

Name:

Address:

City:

State:

Country:

Pin Code:

Application

File | /home/stud/akshaya/web/applicationform.html

Apps Gmail YouTube Maps

Reading list

Entrance Rank(if available):

Tenth %:

Plus Two %:

Whether candidate has studied mathematics at +2/degree % : Yes ☐ No ☐

Graduation Course taken/completed %: BSc ☐ BCA ☐ Bcom ☐ Others ☐

Degree Percentage(upto published semester):

Semester upto result available:

Remarks (If previous work experience- give designation, Organization and experience in years):

PROGRAM 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" cellpadding="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" cellpadding="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>

```

```

```

```

```

```

```

```

```

```

```

```

```

```

```

```

```

```

```

```
</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</h3>
```

```
</html>
```

Main.html

```
<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" cellpadding="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>
```

PRG4.HTML

```
<html>
```

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

```
<body bgcolor="Silver"><br>
```

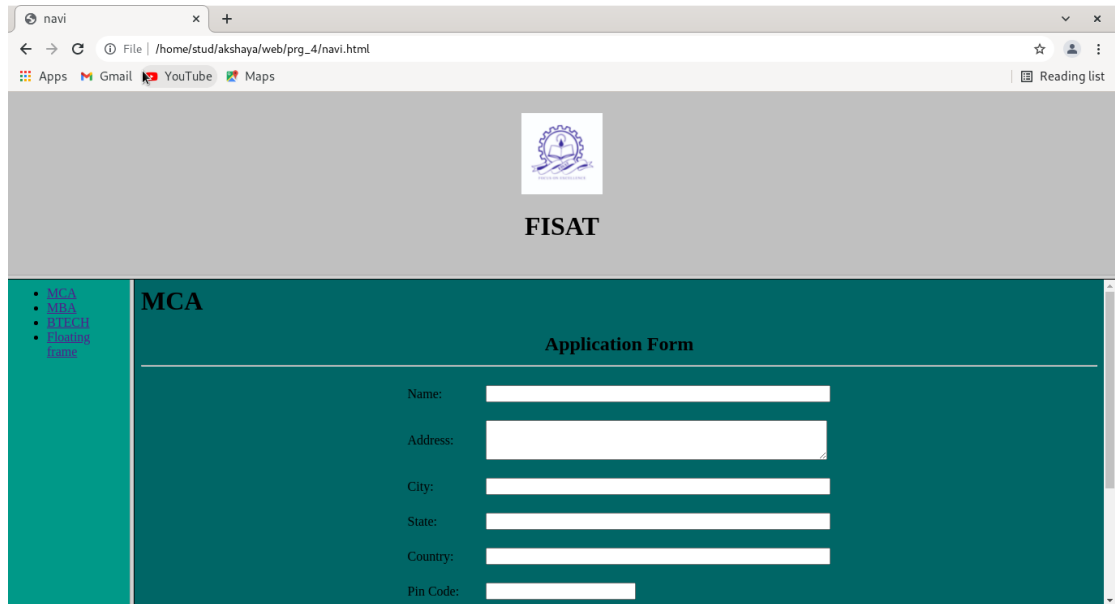
```
<center></center>
```

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

```
</body>
```

```
</html>
```


OUTPUT



navi x +

File | /home/stud/akshaya/web/prg_4/navi.html

Apps Gmail YouTube Maps Reading list



FISAT

- MCA
- MBA
- BTECH
- Floating
- Image

MCA

Application Form

Name:

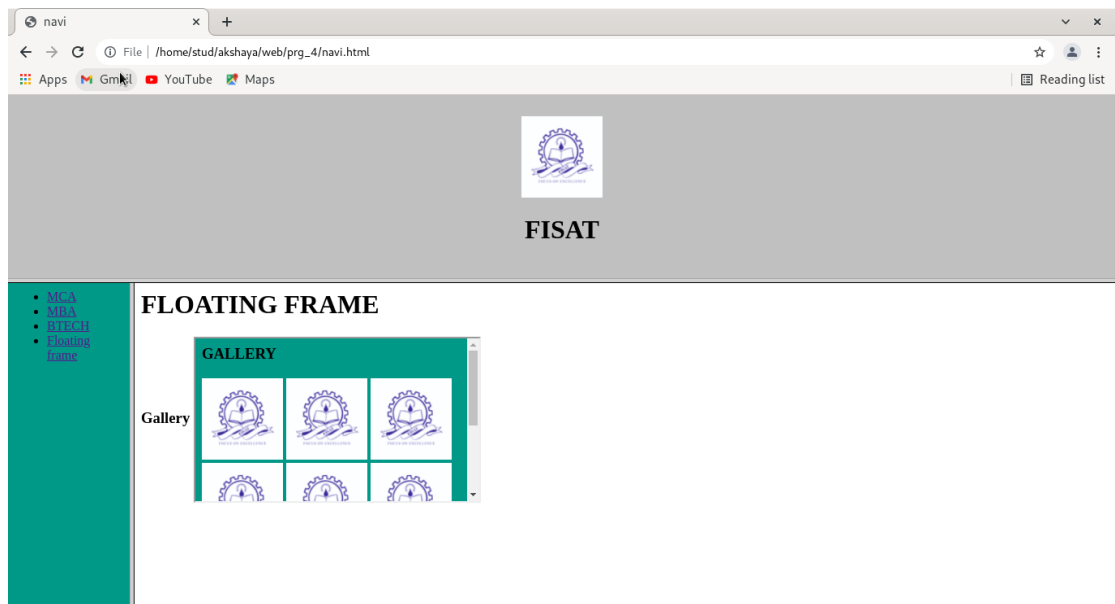
Address:

City:

State:

Country:

Pin Code:



PROGRAM 5

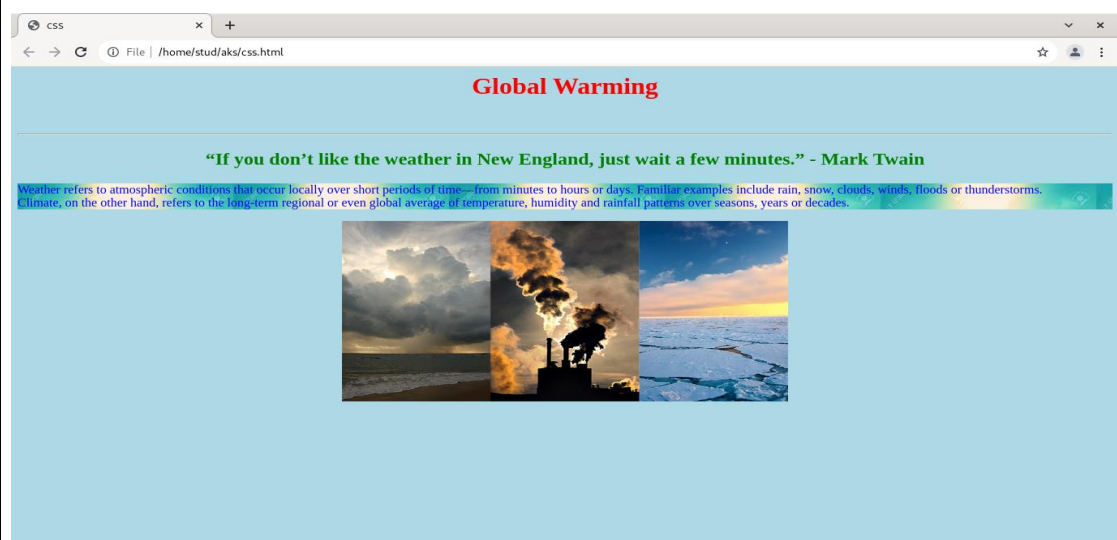
AIM: Analyse CSS by applying the different styles using inline, external & internal style sheets in a HTML file.

PROGRAM CODE

```
<html>
<head><title>css</title>
<link rel="stylesheet" type="text/css" href="style.css">
<style>h2{ color:green;}</style></head>
<body><center><h1 style="color:red">GlobWarming</h1><br><hr align="center" >
<h2> “If you don’t like the weather in New England, just wait a few minutes.”
- Mark Twain </h2><center>
<p>Weather refers to atmospheric conditions that occur locally over short periods of
time.<br>Climate, on the other hand, refers to the long-term regional or even global
average of temperature, years or decades.</p>
<center></center>
</body></html>
```

css file

```
body {background-color: lightblue ;}
p{ color:blue;
text-align: left;
background-image: url("p.jpeg");}
```

OUTPUT

PROGRAM 6

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

SOURCE CODE

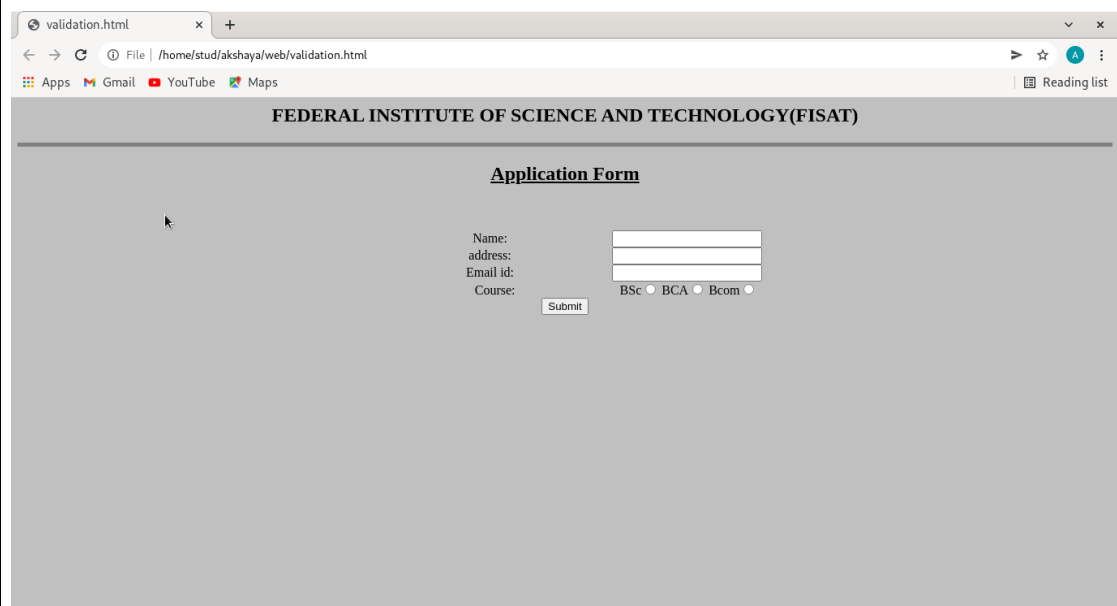
```
<html><head>
<script>
function validateForm() {
var x = document.forms["myForm"]["fname"].value;
var y = document.forms["myForm"]["uname"].value;
var e = document.forms["myForm"]["email"].value;
if (x == "") {
alert("Name must be filled out");
return false;
}
if (y == "") {
alert("Address must be filled out");
return false;
}
if (e == "") {
alert("email must be filled out");
return false;
}
}
</script>
<style>
    label {
        display: inline-block;
        width: 300px;
    }
</style>
</head>
<body bgcolor="Silver"><center>
```

```

<h2>FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY(FISAT)</h2>
<hr size=5 noshade></hr>
<h2><u>Application Form</u></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>
<label>address:</label><input type="text" name="uname"><br>
<label>Email id:</label><input type="email" name="email"><br>
<label>Course:</label>
BSc<input type="radio" value="BSc" >
BCA<input type="radio" value="bca" >
Bcom<input type="radio" value="bcom" >
<br>
<input type="submit" value="Submit">
</form>
</center>
</body>
</html>

```

OUTPUT



PROGRAM 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 array, indexOf, search, includes)

(Math Functions- round, ceil, floor, trunc, sign, pow, sqrt, abs, sin, cos, min, max, random, log)

SOURCE CODE

```
<html>
<body bgcolor="#009988">
<center>
<h2>Create a HTML page to explain the use of various predefined functions in a
string and math objects in JavaScript.</h2>
<h3>
<p>The length()</p></h3>
<p id="length"></p>
<button onclick="length()">To Find Length</button>
<script>
function length() {
let text = "India, officially the Republic of India";
document.getElementById("length").innerHTML = text.length;
}
</script>
<h3>
<p>The slice()</p></h3>
<p id="slice"></p>
<button onclick="slice()">To Slice</button>
<script>
function slice() {
let str = "India, officially the Republic of India";
```

```

document.getElementById("slice").innerHTML = str.slice(0,5);
}
</script>
<h3>
<p>The substring()</p></h3>
<p id="substring"></p>
<button onclick="substring()">To Find Substring</button>
<script>
function substring() {
let string = "India, officially the Republic of India";
document.getElementById("substring").innerHTML = string.substring(7,13);
}
</script>
<h3>
<p>The substr()</p></h3>
<p id="substr"></p>
<button onclick="substr()">Try it</button>
<script>
function substr() {
let str = "India, officially the Republic of India";
document.getElementById("substr").innerHTML = str.substr(7,6);
}
</script>
<h3>
<p>The replace()</p></h3>
<p id="replace">India, officially the Republic of India</p>
<button onclick="replace()">To Replace</button>
<script>
function replace() {
let text = document.getElementById("replace").innerHTML;
document.getElementById("replace").innerHTML =
text.replace("India","China");
}
</script>

```

```

<h3>
<p>The uppercase()</p></h3>
<p id="uppercase">India, officially the Republic of India</p>
<button onclick="uppercase()">To Uppercase</button>
<script>
function uppercase() {
  let text = document.getElementById("uppercase").innerHTML;
  document.getElementById("uppercase").innerHTML =
    text.toUpperCase();
}
</script>
<h3>
<p>The lowercase()</p></h3>
<p id="low">India, officially the Republic of India</p>
<button onclick="lowercase()">To Lowercase</button>
<script>
function lowercase() {
  let t = document.getElementById("low").innerHTML;
  document.getElementById("low").innerHTML =
    t.toLowerCase();
}
</script>
<h3>
<p>The concat()</p></h3>
<p id="concat"></p>
<button onclick="concat()">To Concat</button>
<script>
function concat() {
  let text1 = "India, officially ";
  let text2 = "the Republic of India";
  let text3 = text1.concat(" ",text2);
  document.getElementById("concat").innerHTML = text3;
}
</script>

```

```

<h3>
<p>The Trim()</p></h3>
<p id="trim"></p>
<script>
let text5 = "  INDIA  ";
let text6 = text5.trim();
document.getElementById("trim").innerHTML =
"Length text1=" + text5.length + "<br>Length2 text2=" + text6.length;
</script>
<h3>
<p>The charAt()</p></h3>
<p id="char"></p>
<script>
var ti = "INDIA";
document.getElementById("char").innerHTML = ti.charAt(0);
</script>
<h3>
<p>convert string to array</p></h3>
<p id="array"></p>
<script>
let tt = "i,n,d,i,a";
const myArray = tt.split(",");
document.getElementById("array").innerHTML = myArray[2];
</script>
<h3>
<p>Index of</p></h3>
<p id="index"></p>
<script>
let sttr = "India, officially the Republic of India";
document.getElementById("index").innerHTML = sttr.indexOf("Republic");
</script>
<h3>
<p>search</p></h3>
<p id="search"></p>

```

```

<script>
let sr = "India, officially the Republic of India";
document.getElementById("search").innerHTML = sr.search("officially");
</script>

<h3>
<p>includes()</p></h3>
<p id="include"></p>
<script>
let ttt= "India, officially the Republic of India";
document.getElementById("include").innerHTML = ttt.includes("India");
</script>

<h3>
<p>round()</p></h3>
<p id="round"></p>
<script>
document.getElementById("round").innerHTML = Math.round(7.8);
</script>

<h3>
<p>ceil()</p></h3>
<p id="ceil"></p>
<script>
document.getElementById("ceil").innerHTML = Math.ceil(5.4);
</script>

<h3>
<p>floor()</p></h3>
<p id="demo"></p>
<script>
document.getElementById("demo").innerHTML = Math.floor(4.7);
</script>

<h3>
<p>trunc()</p></h3>
<p id="trunc"></p>
<script>
document.getElementById("trunc").innerHTML = Math.trunc(4.7);

```



```

</script>
<h3>
<p>sign()</p></h3>
<p id="sign"></p>
<script>
document.getElementById("sign").innerHTML = Math.sign(-24);
</script>
<h3>
<p>pow()</p></h3>
<p id="pow"></p>
<script>
document.getElementById("pow").innerHTML = Math.pow(9,2);
</script>
<h3>
<p>sqrt()</p></h3>
<p id="sqrt"></p>
<script>
document.getElementById("sqrt").innerHTML = Math.sqrt(25);
</script>
<h3>
<p>abs()</p></h3>
<p id="abs"></p>
<script>
document.getElementById("abs").innerHTML = Math.abs(-4.4);
</script>
<h3>
<p>sin()</p></h3>
<p id="sin"></p>
<script>
document.getElementById("sin").innerHTML =
"The sine value of 90 degrees is " + Math.sin(90 * Math.PI / 180);
</script>
<h3>
<p>cos()</p></h3>

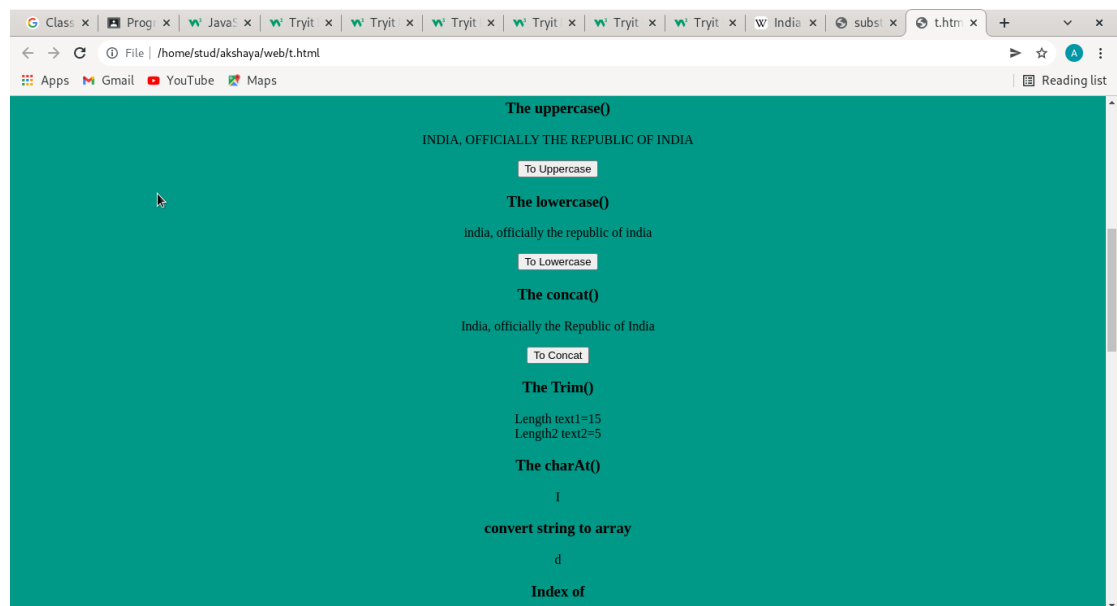
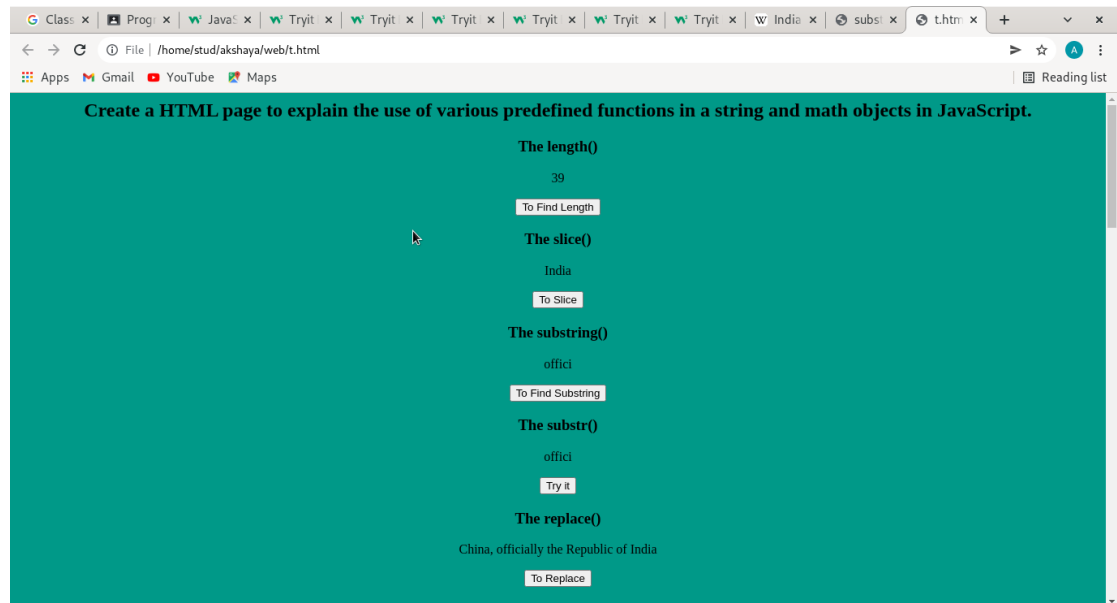
```

```

<p id="cos"></p>
<script>
document.getElementById("cos").innerHTML =
"The cosine value of 0 degrees is " + Math.cos(0 * Math.PI / 180);
</script>
<h3>
<p>min()</p></h3>
<p id="min"></p>
<script>
document.getElementById("min").innerHTML =
Math.min(7, 8, 4, -8, -2);
</script>
<h3>
<p>max()</p></h3>
<p id="max"></p>
<script>
document.getElementById("max").innerHTML =
Math.max(0, 50, 30, -20, -8, -200);
</script>
<h3>
<p>random()</p></h3>
<p id="random"></p>
<script>
document.getElementById("random").innerHTML = Math.random();
</script>
<h3>
<p>log()</p></h3>
<p id="log"></p>
<script>
document.getElementById("log").innerHTML = Math.log(5);
</script>
</center>
</body>
</html>

```

OUTPUT



```

Class x Prog x Java x Tryit x Tryit x Tryit x Tryit x Tryit x Tryit x Tryit x India x sub: x t.htm x
File | /home/stud/akshaya/web/t.html
Apps Gmail YouTube Maps Reading list

Index of
22
search
7
includes()
true
round()
8
ceil()
6
floor()
4
trunc()
4
sign()
-1

```

```

Class x Prog x Java x Tryit x Tryit x Tryit x Tryit x Tryit x Tryit x Tryit x India x sub: x t.htm x
File | /home/stud/akshaya/web/t.html
Apps Gmail YouTube Maps Reading list

sign()
-1
pow()
81
sqrt()
5
abs()
4.4
sin()
The sine value of 90 degrees is 1
cos()
The cosine value of 0 degrees is 1
min()
-8
max()
50

```

```

Class x Prog x Java x Tryit x Tryit x Tryit x Tryit x Tryit x Tryit x Tryit x India x sub: x t.htm x
File | /home/stud/akshaya/web/t.html
Apps Gmail YouTube Maps Reading list

sqrt()
5
abs()
4.4
sin()
The sine value of 90 degrees is 1
cos()
The cosine value of 0 degrees is 1
min()
-8
max()
50
random()
0.7728677328129832
log()
1.6094379124341003

```

PROGRAM 8

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

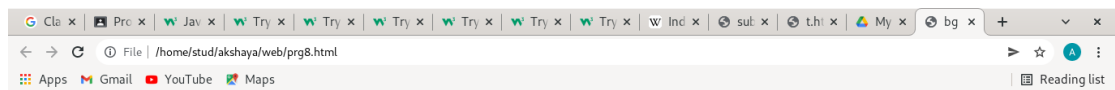
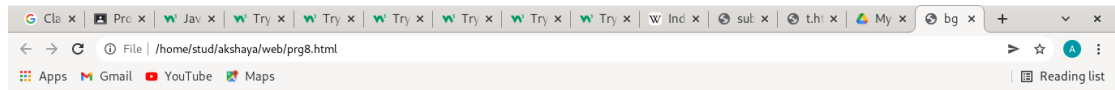
SOURCE CODE

```

<html>
<head>
<title>bg</title>
</head>
<body>
<center>
<h3>
Create a HTML page to change the background color for every click of a button using
JavaScript Event Handling
</h3>
<button type="button" id="color-button" onclick="changeBg()">Click Here To
Change the BGColor
</button>
<br>
<script>
const pageBody = document.querySelector("body");
function changeBg()
{
let color = '#' + (Math.random()*0xFFFFFFFF<<0).toString(16);
pageBody.style.background = color;
}
</script>
</center>
</body>
</html>

```

OUTPUT



PROGRAM 9

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

SOURCE CODE

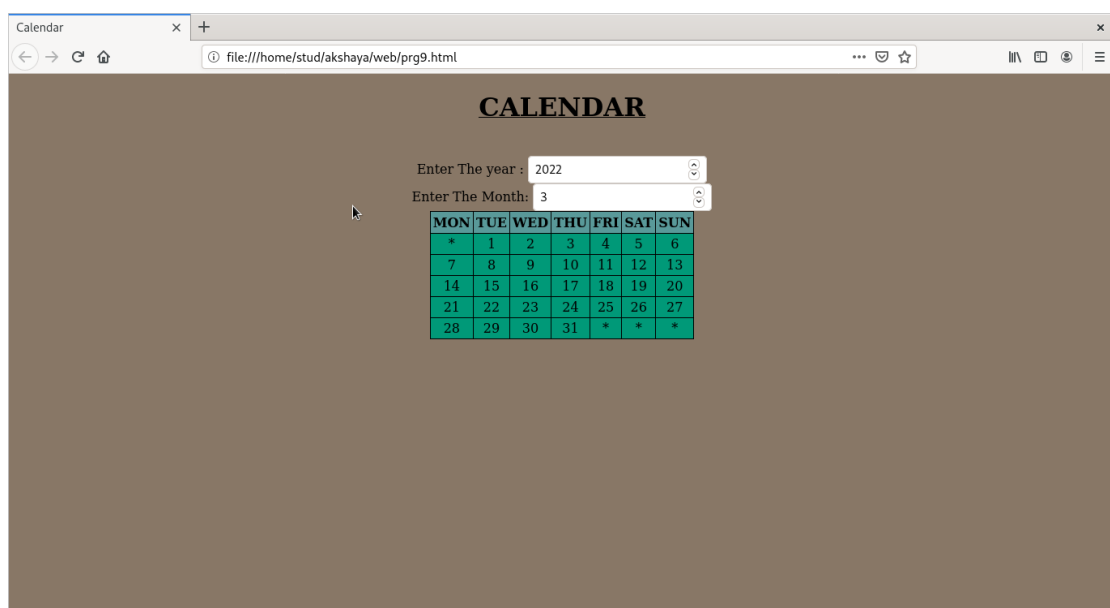
```
<html>
<head><title>Calendar</title>
<style>table {border-collapse: collapse;}
td, th {border: 1px solid black;
padding: 3px;
text-align: center;
background-color: #009978;}
th {
font-weight: bold;
background-color: #599999;
}
</style></head>
<body bgcolor="#887766">
<center><b><u><h1>CALENDAR</h1></u></b><br>
Enter The year : <input type="number" name="cal" id="cal" /><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) { // get day number from 0 (monday) to 6 (sunday)
let day = date.getDay();
if (day == 0) day = 7; // make Sunday (0) the last day
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</t
h><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) { // sunday, last day of week -> newrow
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></center>
</body>
</html>

```

OUTPUT



PROGRAM 10

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

SOURCE CODE

```
<html>
<head><title>Electricity Board</title></head>
<body bgcolor="#009988">
<center><form align="left" name="bill" action="elee.php" method="post">
<font color="black">
<h1>Electricity Board</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">
</font></form></center>
</html>
```

BILL.PHP

```
<html>
<head><title>Bill</title></head>
<body bgcolor="#009988">
<center> <h1>Electricity Bill</h1> <br>
<h3>Name :<?php echo $_POST["uname"];?></h3><br>
<h3>Consumer number :<?php echo $_POST["cno"];?></h3><br>
<h3>Price/Unit :<br>
<?php
$p=4; $t=5;
echo "The charge for per unit below 100 unit: ".$p;
echo "The charge for per unit above 100 unit: ".$t;
?>
</h3><br> <h3>Unit :<?php echo $_POST["unit"];?></h3><br>
<h3>Amount :<?php
if($_POST["unit"]>100)
    echo $_POST["unit"]*5;
```

```

else

    echo $_POST["unit"]*4;

?>

</h3><br>

</center>

</body>

</html>

```

OUTPUT

Electricity Board

Consumer Number:

Customer name:

Unit:

Electricity Bill

Name :akshaya

Consumer number :12

Price/Unit :
The charge for per unit below 100 unit: 4The charge for per unit above 100 unit: 5

Unit :101

Amount :505

PROGRAM 11

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.

SOURCE CODE

```
<?php

$student=array("Akshaya","Aleena","Marie","Soni","Teena");

echo "Student's list"; echo "<br>";

print_r($student); echo "<br>";

echo "Sorted student list"; echo "<br>";

asort($student);

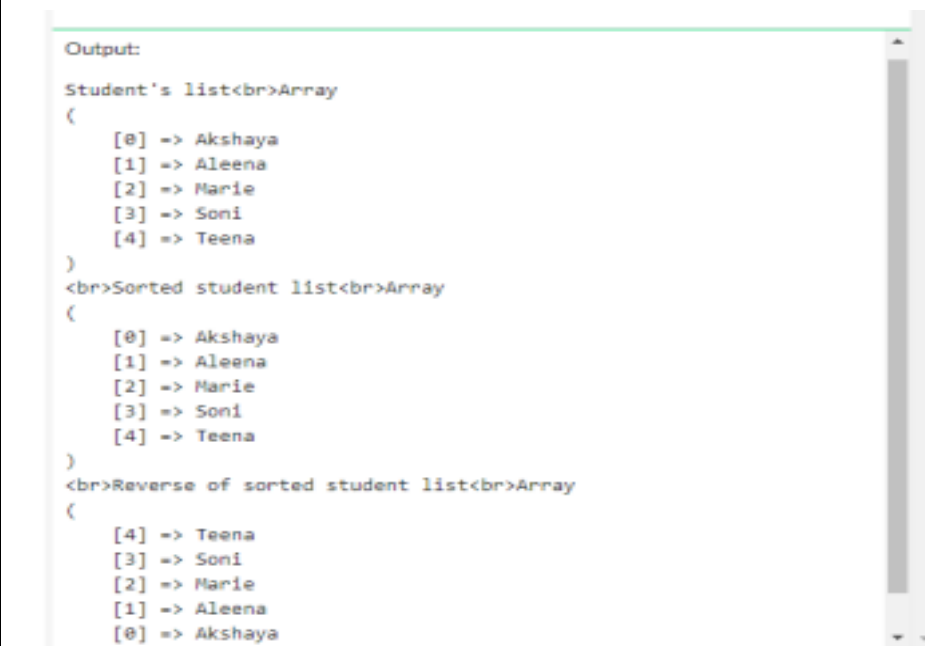
print_r($student); echo "<br>";

echo "Reverse of sorted student list"; echo "<br>";

arsort($student);

print_r($student);

?>
```

OUTPUT


```
Output:
Student's list<br>Array
(
    [0] => Akshaya
    [1] => Aleena
    [2] => Marie
    [3] => Soni
    [4] => Teena
)
<br>Sorted student list<br>Array
(
    [0] => Akshaya
    [1] => Aleena
    [2] => Marie
    [3] => Soni
    [4] => Teena
)
<br>Reverse of sorted student list<br>Array
(
    [4] => Teena
    [3] => Soni
    [2] => Marie
    [1] => Aleena
    [0] => Akshaya
)
```

PROGRAM 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","Suresh
Raina");

echo "<h3>INDIAN CRICKETERS</h3>

<table border='1'>

<tr><th>NO</th><th>NAMES</th></tr>

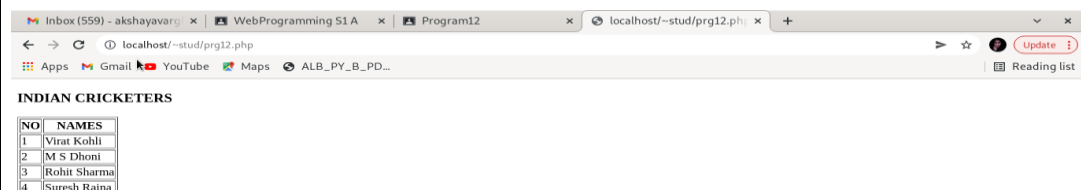
<tr><td>1</td><td>$Indcricketers[0]</td></tr>

<tr><td>2</td><td>$Indcricketers[1]</td></tr>

<tr><td>3</td><td>$Indcricketers[2]</td></tr>

<tr><td>4</td><td>$Indcricketers[3]</td></tr>";?>

</body></html>
```

OUTPUT


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

PROGRAM 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

Bookinfo.html

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

add_book.html

```
<html><head>
<title>add book</title></head>
<body>
<form name="frm1" action="add1.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";
}
$sql="INSERT INTO book VALUES($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";
echo "<br>";
}
$sql="select * from book where
Title='$title'";
if($result=$con->query($sql))
{
if($result->num_rows>0)
{
while($row=$result->fetch_array())
{
echo "<br>";
echo "\n".$row[0].":".$row[1].":".$row[2].":".$row[3].":".$row[4]."\n";

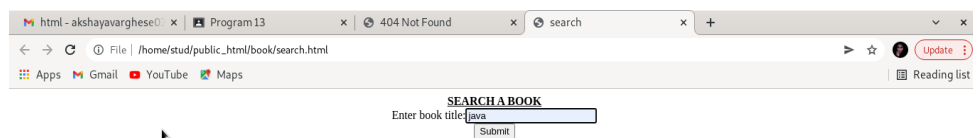
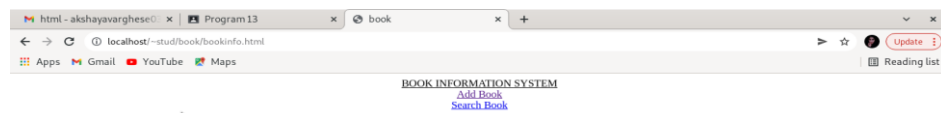
```

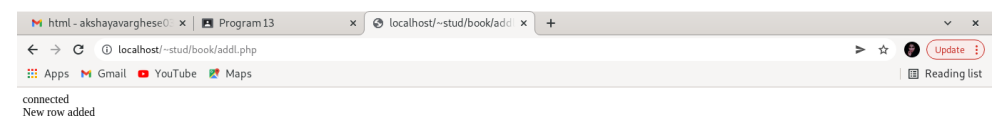
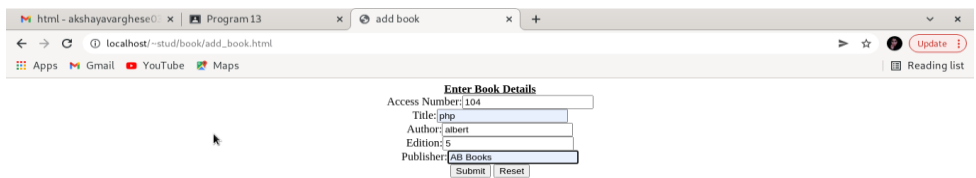
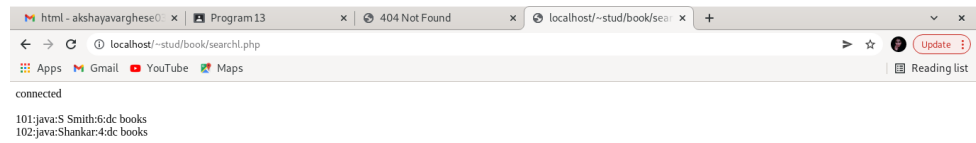
```

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

```

OUTPUT





PROGRAM 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**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";

}

$sql="INSERT INTO airline12 VALUES($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();  
  
?>  
  
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>  
  
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>

```

search1.php

```

<?php

$src=$_POST['src'];

$dstn=$_POST['dstn'];

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

if($con==false)

```

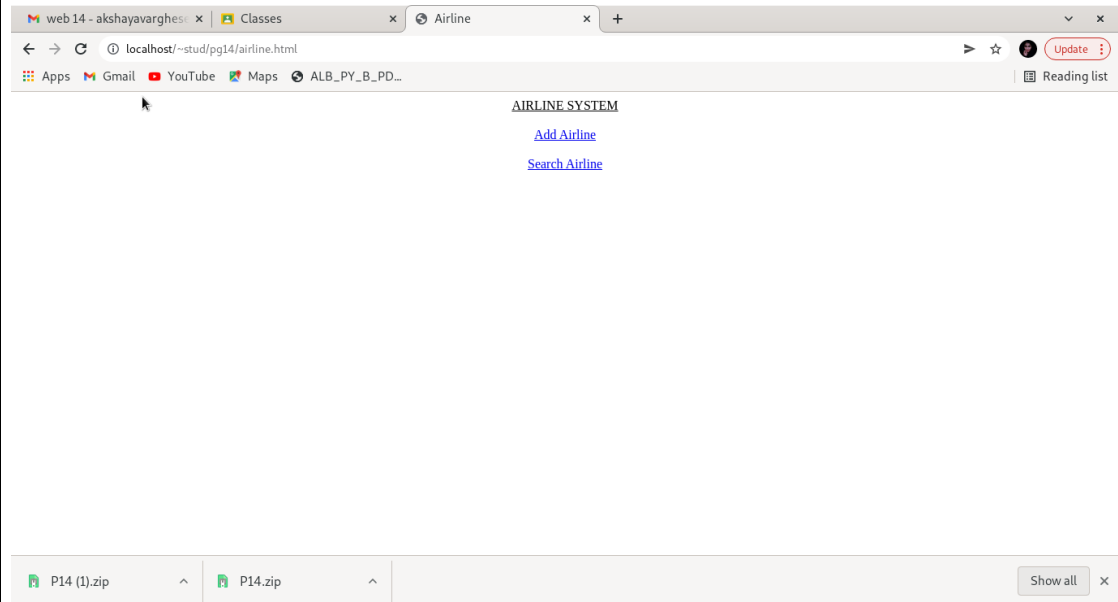
```
{
echo "Failed to connect";
}
else
{
echo "connected\n";
}
$sql="select * from airline12 where Source='$src' and Destination='$dstn'";
if($result=$con->query($sql))
{
if($result->num_rows>0)
{
while($row=$result->fetch_array())
{ echo "\n".$row[0].":".$row[1].":".$row[2].":".$row[3].":".
    $row[4]."\n\n";}

$result->close();
}
else
{
echo "\nCould not found the book"; }
}
else
{ echo "\nError:could not connect"; }
```

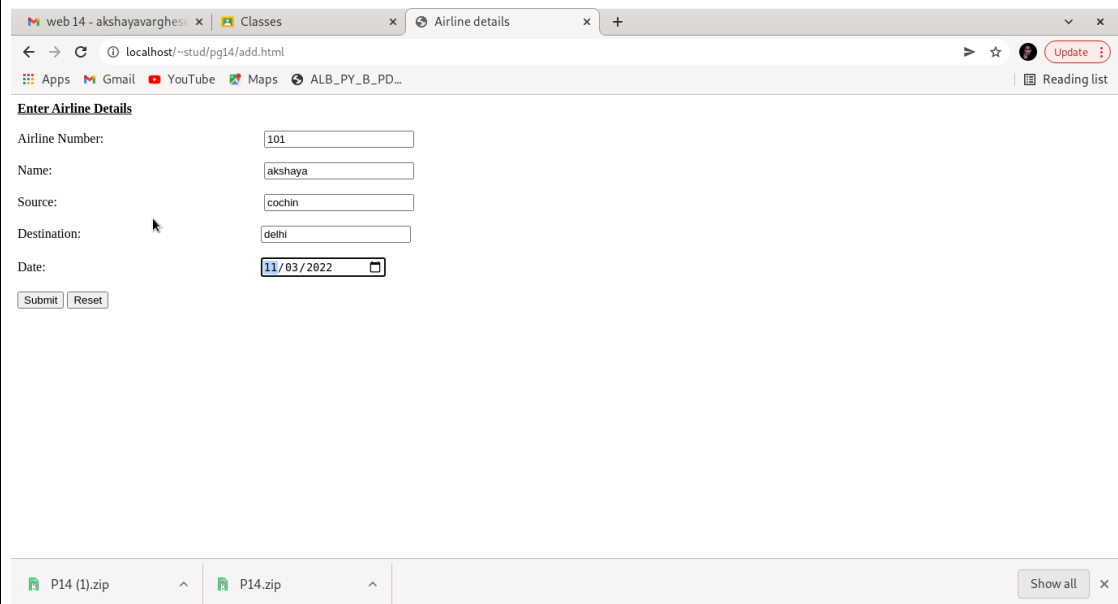
```
$con->close();
```

```
?>
```

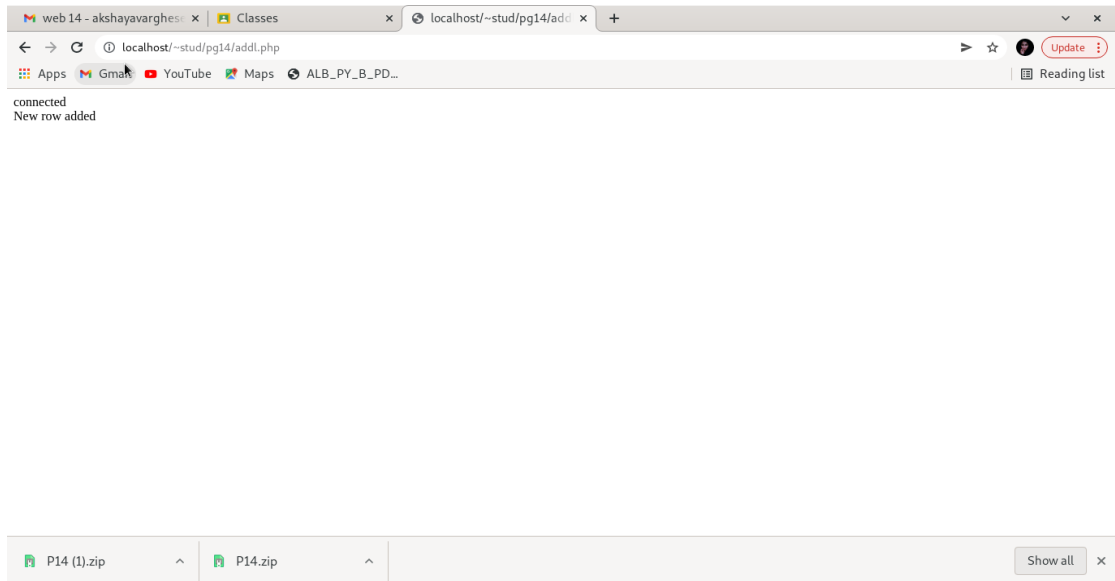
OUTPUT



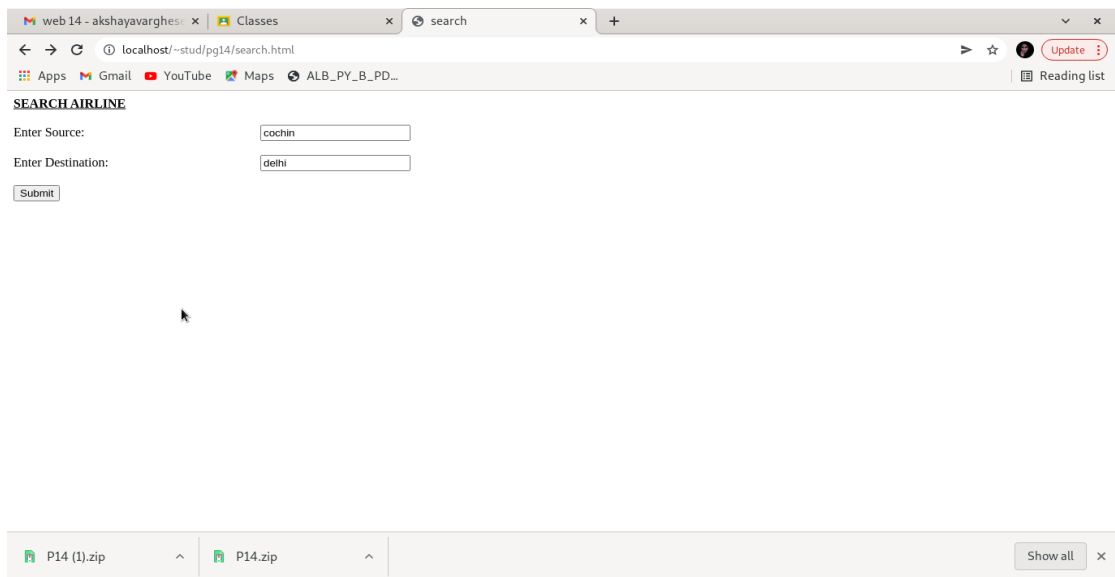
1



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