FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)™

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577

FOCUS ON EXCELLENCE

20MCA133 WEB PROGRAMMING LAB

LABORATORY RECORD

Name: ANJANA K.A

Branch: MASTER OF COMPUTER APPLICATIONS

Semester: 1 Batch: A Roll No: 25

Register No: FIT21MCA-2024

MARCH 2022

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)™

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 ***ANJANA K.A(FIT21MCA-2024)*** *in the* ***20MCA131 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

Name:

Signature of H O D

Name:

Date of University practical examination ……

Signature of
Internal Examiner

Signature of
External Examiner

CONTENT

9	**03/01/2022**	**Generate the calendar using JavaScript code by getting the year and month from the user.**	**27**	
10	**10/01/2022**	**Compose Electricity bill from user input based on a given tariff using PHP.**	**29**	
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.**	**31**	
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.**	**32**	
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**	**34**	
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.**	**39**	

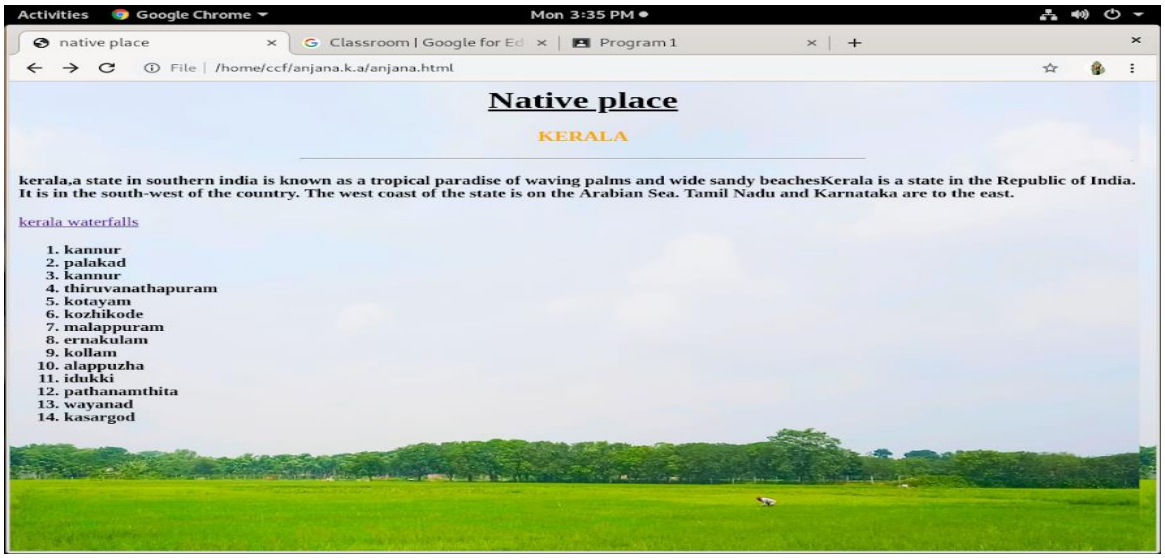
Experiment Number : 1

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

Program Code

```
<html>
<head>
<title>native place</title>
</head>
<body>
<body background="anjuu.jpeg">
<h1 align="center" color="pink"> <u>Native place</u>
</h1>
<font color="orange" ><h3 align="center">KERALA</H3></Font>
<hr align="center" size="2" width="50%">
<body bgcolor="#998833">
<p><h4>kerala,a state in southern india  is known as a tropical paradise of
waving palms and wide sandy beachesKerala is a state in the Republic of
India. It is in the south-west of the country. The west coast of the state
is on the Arabian Sea. Tamil Nadu and Karnataka are to the east.</p></h4>
 <a href="wa.html">kerala waterfalls</a>

<h4 align=Districts color="pink"</h4>
<ol>
<li>kannur</li>
<li>palakad</li>
<li>kannur</li>
<li>thiruvanathapuram</li>
<li>kotayam</li>
<li>kozhikode</li>
<li>malappuram</li>
<li>ernakulam</li>
<li>kollam</li>
<li>alappuzha</li>
<li>idukki</li>
<li>pathanamthita</li>
<li>wayanad</li>
<li>kasargod</li>
</ol>

</body>
</html>
```

Output


Activities
Google Chrome
Mon 3:35 PM
native place
Classroom | Google for Ed
Program 1
File | /home/ccf/anjana.k.a/anjana.html
Native place
KERALA
kerala,a state in southern india is known as a tropical paradise of waving palms and wide sandy beachesKerala is a state in the Republic of India. It is in the south-west of the country. The west coast of the state is on the Arabian Sea. Tamil Nadu and Karnataka are to the east.
kerala waterfalls
1. kannur
2. palakad
3. kannur
4. thiruvanathapuram
5. kotayam
6. kozhikode
7. malappuram
8. ernakulam
9. kollam
10. alappuzha
11. idukki
12. pathanamthita
13. wayanad
14. kasargod

Experiment Number : 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.

Program Code

```
<html>
<body>
<h1 align="center">BIODATA</h1><hr size="5" width=100%" noshade>
<h3>PERSONAL DETAILS<hr width=100%" noshade></h3>
<img align="right" height="200" width="200"
src="/home/stud/Documents/anjuks26/biodata/images (1).jpeg" alt="images (1)">
<table>
<tr><h1>
<td width="50%">Name</td>
<td>: Anjana.K.A</td>
</tr>
<tr>
<td>Address</td>
<td>: Karanamkote House</td>
</tr>
<tr>
<td>Age</td>
<td>: 20</td>
</tr>
<tr>
<td>Sex</td>
<td>: Female</td>
</tr>
<tr>
<td>Date Of Birth</td>
<td>: 21/02/2001</td>
</tr>
<tr>
<td>Religion</td>
<td>: Christian</td>
</tr>
<tr>
<td>Nationality</td>
<td>: Indian</td>
</h1></tr>
</table><br>
<a href="biodata2.html">Academic Details</a>
</body>
</html>
```

```
<html>
<body>
<h3 align="center">MY ACADEMIC DETAILS<hr width=100%" noshade></h3>
<h4>SSLC<hr></h4>
<table width="700" border="1">
<tr>
<td width="50%">Institution</td>
<td>Jyothi Nivas Public School</td>
</tr>
<tr>
<td>Place</td>
<td>Aluva</td>
</tr>
<tr>
<td>Marks Obtained</td>
<td>79%</td>
</tr></table>
<h4>Plus Two<hr width=100%" ></h4>
<table  width="700" border="1">
<tr>
<td width="50%">Institution</td>
<td>St Francis HSS For Girls</td>
</tr>
<tr>
<td>Place</td>
<td>Aluva</td>
</tr>
<tr>
<td>Marks Obtained</td>
<td>83%</td>
</tr></table>
<h4>UG<hr width=100%" ></h4>
<table  width="700" border="1">
<tr>
<td width="50%">Institution</td>
<td>Al Ameen College</td>
</tr>
<tr>
<td>Place</td>
<td>Aluva</td>
</tr>
<tr>
<td>Marks Obtained</td>
<td>74%</td>
</tr></table>
</body><br><br>
<a href="biodata.html">Personal Details</a>
```

</html>

Output

PERSONAL DETAILS

Name : Anjana.K.A
Address : Karanamkote House
Age : 20
Sex : Female
Date Of Birth : 21/02/2001
Religion : Christian
Nationality : Indian

Academic Details

MY ACADEMIC DETAILS

SSLC

Institution	Jyothi Nivas Public School
Place	Aluva
Marks Obtained	79%

Plus Two

Institution	St Francis HSS For Girls
Place	Aluva
Marks Obtained	83%

UG

Institution	Al Ameen College
Place	Aluva
Marks Obtained	74%

Personal Details

Experiment Number : 3

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

Program Code

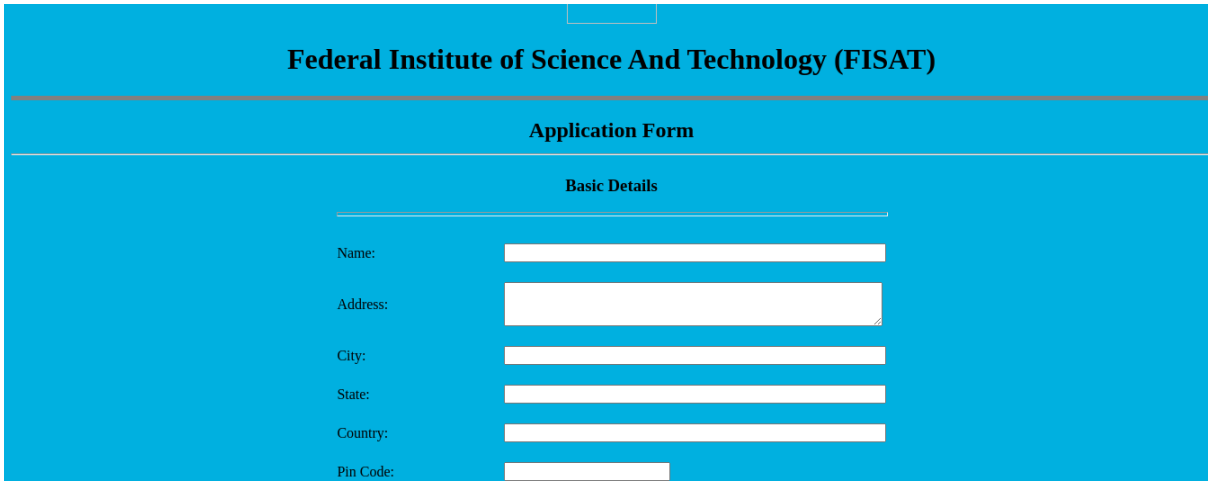
```
<html>
<body bgcolor="sky blue"><br>
<center><img height="100" width="100" src="C:\Users\ajin k
saju\Downloads\5725291883.jpg"></center>
<h1 align="center">Federal Institute of Science And Technology (FISAT)</h1><hr size="5"
width=100%" noshade>
<h2 align="center">Application Form<hr></h2>
<table border="0" align="center" cellspadding="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="Proceed to next
step"></center></td>
</tr>
</table>
</body>
</html>
```

Output



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 availabe:

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

Proceed to next step

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 availabe:

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

Proceed to next step

Experiment Number : 4

AIM: Create a html page with different types of frames such as floating frame, navigation frame and mixed frame.

Program Code

Dalia.html

```
<html>
<head></head>
<title></title>
<body>
<p>

The Lotus Flower grows in the deep mud, far away from the sun. But, sooner or later, the Lotus reaches the light becoming the most beautiful flower ever. The Lotus flower is regarded in many different cultures, especially in eastern religions, as a symbol of purity, enlightenment, self-regeneration and rebirth.



</body>
</html>
```

flowers.html

```
<html>
<head><title>FISAT</title></head>
<body align="center">
<center>
<h1> FLOWERS</h1>
<img src="/home/stud/anjanaHTML/q4/flow.jpeg" width="402" height="200" alt="ind" >

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

frame.html

```
<html>
<head>
<title>Frames</title>
<head>
<frameset rows="30%,*">
<frame name="top" src="profile.html">
<frameset cols="140,*">
<frame name="navF" src="navigation.html">
```

```
<frame name="mainF" src="flowers.html">

</frameset>
</frameset>
<body>


infrastructure.html
<html>
<head>
<title></title>
<head>
<h1>infrastructure</h2>
<body>
<p>Infrastructure

The infrastructure facilities of FISAT are tailored to support holistic education with emphasis on sustainability. The master plan of FISAT envisages a three storeyed main building consisting of a central block with college office, central library, main computer centre, office of the principal, conference hall, spacious seminar halls, etc housed in it and the major building complexes on the side accommodates classrooms, drawing halls, tutorial halls, departmental offices, libraries, and computer centres. The central block of the institution is constructed in an eco-friendly manner without obstructing the flow of a natural stream.

<p>The classrooms are well ordered and spacious with latest audio-visual aids and wifi facility. FISAT Library is the soul of the institution and it acquires, processes, preserves and disseminates information to the user community with the motto of focus on excellence. It has an extensive collection of books, reference materials for satisfying the academic and research needs of the students and faculty. FISAT Library and Information Centre consists of a reference section, circulation section and periodical section. The library has automated all its activities to provide an effective and wide range of academic resources such as books, journals, online databases.
</html>

library.html

<html>
<head>
<title>Frames</title>
<head>
<frameset rows="30%,*">
<frame name="top" src="profile.html">
<frameset cols="140,*">
<frame name="navF" src="navigation.html">
<frame name="mainF" src="flowers.html">

</frameset>
</frameset>
<body>
```

profile.html

```
<html>
<head>
<title></title>
<head>
<h1>infrastructure</h2>
<body>
<p>Infrastructure

The infrastructure facilities of FISAT are tailored to support holistic education with emphasis on sustainability. The master plan of FISAT envisages a three storeyed main building consisting of a central block with college office, central library, main computer centre, office of the principal, conference hall, spacious seminar halls, etc housed in it and the major building complexes on the side accommodates classrooms, drawing halls, tutorial halls, departmental offices, libraries, and computer centres. The central block of the institution is constructed in an eco-friendly manner without obstructing the flow of a natural stream.

<p>The classrooms are well ordered and spacious with latest audio-visual aids and wifi facility. FISAT Library is the soul of the institution and it acquires, processes, preserves and disseminates information to the user community with the motto of focus on excellence. It has an extensive collection of books, reference materials for satisfying the academic and research needs of the students and faculty. FISAT Library and Information Centre consists of a reference section, circulation section and periodical section. The library has automated all its activities to provide an effective and wide range of academic resources such as books, journals, online databases.
</html>
```

navigation.html

```
<html><head><title>Navigation Bar</title></head>
<body><center>
<a href="flowers.html" target="mainF">HOME</a><br><br>
<a href="rose.html" target="mainF">ROSE</a><br><br>
<a href="profile.html" target="mainF">PROFILE</a><br><br>
<a href="dahlia.html" target="mainF">DAHLIA</a><br><br>

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

Output

FLOWERS

A flower, sometimes known as a bloom or blossom, is the reproductive structure found in flowering plants (plants of the division Magnoliophyta, also called angiosperms). The biological function of a flower is to facilitate reproduction, usually by providing a mechanism for the union of sperm with eggs. Flowers may facilitate outcrossing (fusion of sperm and eggs from different individuals in a population) resulting from cross-pollination or allow selfing (fusion of sperm and egg from the same flower) when self-pollination occurs. The two types of pollination are: self-pollination and cross-pollination. Self-pollination happens when the pollen from the anther is deposited on the stigma of the same flower, or another flower on the same plant. Cross-pollination is the transfer of pollen from the anther of one flower to the stigma of another flower on a different individual of the same species. Self-pollination happens in flowers where the stamen and carpel mature at the same time, and are positioned so that the pollen can land on the flower's stigma. This pollination does not require an investment from the plant to provide nectar and pollen as food for pollinators.[1] Some flowers produce diaspores without fertilization (parthenocarpy). Flowers contain sporangia and are the site where gametophytes develop. Many flowers have evolved to be attractive to animals, so as to cause them to be vectors for the transfer of pollen.

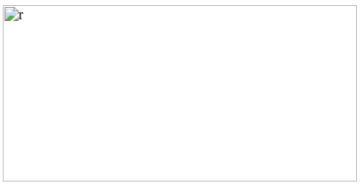
HOME

ROSE

PROFILE

DAHLIA

DAHLIA



A flower, sometimes known as a bloom or blossom, is the reproductive structure found in flowering plants (plants of the division Magnoliophyta, also called angiosperms). The biological function of a flower is to facilitate reproduction, usually by providing a mechanism for the union of sperm with eggs. Flowers may facilitate outcrossing (fusion of sperm and eggs from different individuals in a population) resulting from cross-pollination or allow selfing (fusion of sperm and egg from the same flower) when self-pollination occurs. The two types of pollination are: self-pollination and cross-pollination. Self-pollination happens when the pollen from the anther is deposited on the stigma of the same flower, or another flower on the same plant. Cross-pollination is the transfer of pollen from the anther of one flower to the stigma of another flower on a different individual of the same species. Self-pollination happens in flowers where the stamen and carpel mature at the same time, and are positioned so that the pollen can land on the flower's stigma. This pollination does not require an investment from the plant to provide nectar and pollen as food for pollinators.[1] Some flowers produce diaspores without fertilization (parthenocarpy). Flowers contain sporangia and are the site where gametophytes develop. Many flowers have evolved to be attractive to animals, so as to cause them to be vectors for the transfer of pollen. After fertilization, the ovary of the flower develops into fruit containing seeds. In addition to facilitating the reproduction of flowering plants, flowers have long been admired and used by humans to bring beauty to their environment, and also as objects of romance, ritual, esotericism, witchcraft, religion, medicine, and as a source of food.

FLOWERS

I hope these flowers brighten your day! When you see these blooms, remember I'm thinking of you! Sending joy your way today! I just wanted to send you a smile today. Have a gorgeous day! Sending you good vibes.

rose lotus	The Lotus Flower grows in the deep mud, far away from the sun. But, sooner or later, the Lotus reaches the light becoming the most beautiful flower ever. The Lotus flower is regarded in many different cultures, especially in eastern religions, as a symbol of purity, enlightenment, self-regeneration and rebirth.

Experiment Number : 5

AIM: Analyze CSS by applying different styles using inline,external and internalstyle sheet in a html file.

Program Code

Internal

```
<html>
<head>
<style>
body{
   background-color:blue;
   }
   h1{
    color:maroon;
    margin-left:40px;
    }
    </style>
    </head>
    <body>
    <h1>this is a heading</h1>
    <p>this is a paragraph</p>
    </body>
    </html>
```

External

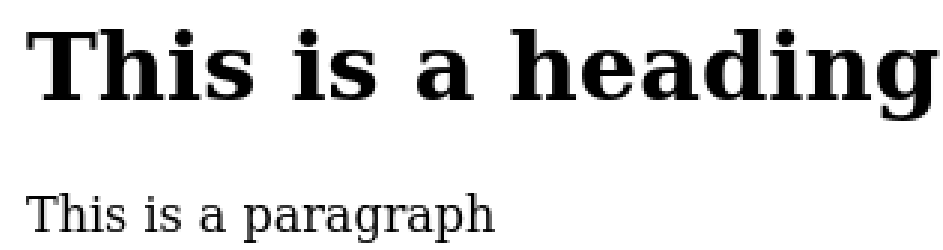
```
<html>

<head>

<link rel=”stylesheet” href=”mystyle.css”>

</head>

<body>

<h1>EXAMPLE</h1>

<p>it is an example for external css </p>

</body>

</html>
```

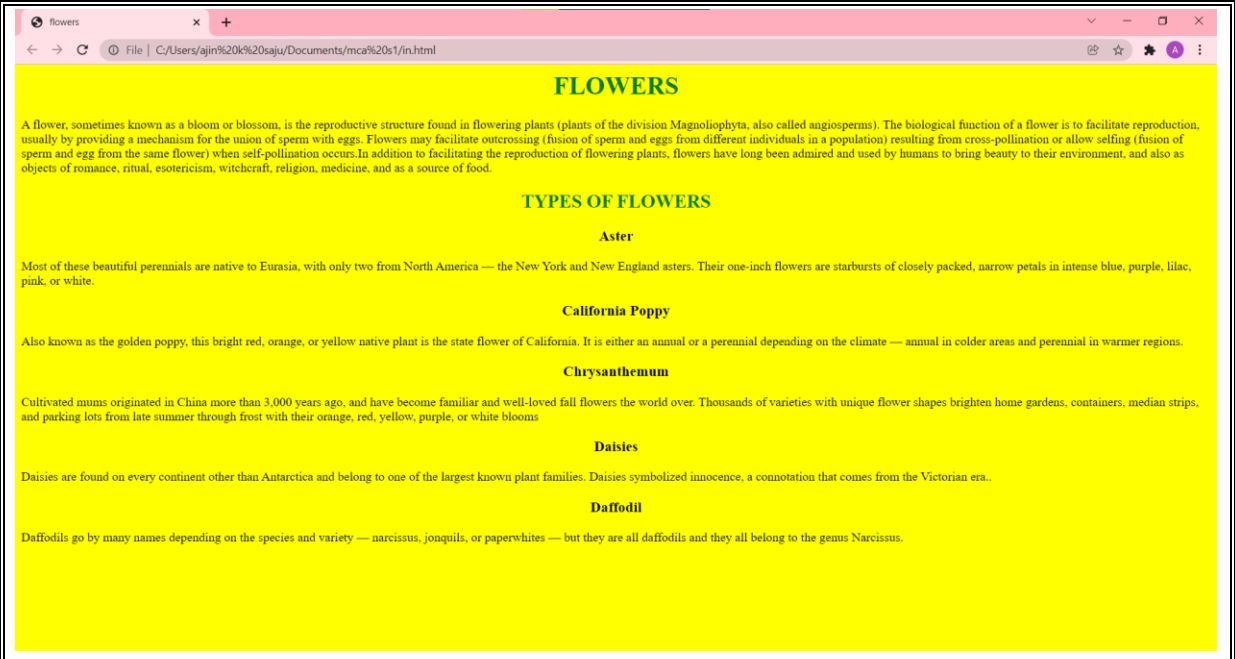
Mystyle.css

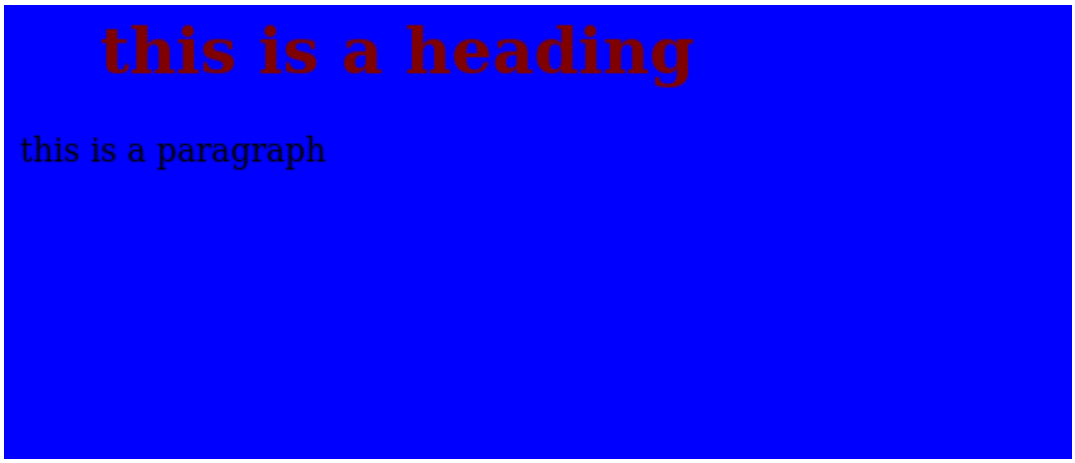
```
Body{
    Background-color:pink;
    }
H1
 {
  Color:white;
  Margin-left:20px;

 }
```

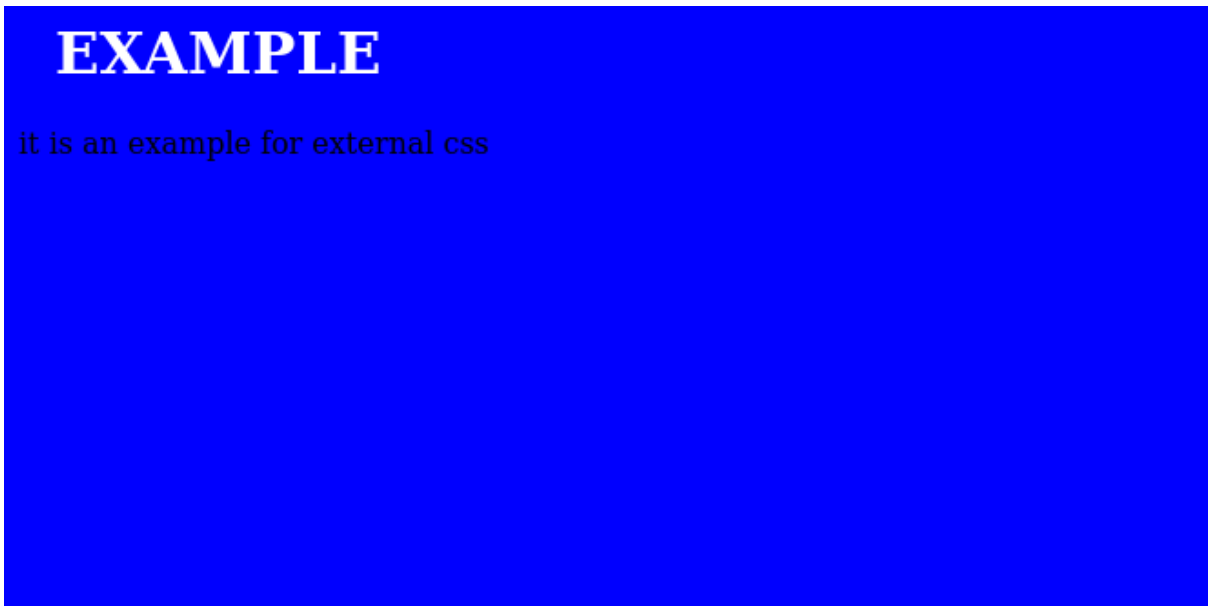
Inline

Output




flowers
File | C:/Users/ajin%20k%20saju/Documents/mca%20s1/in.html
FLOWERS
A flower, sometimes known as a bloom or blossom, is the reproductive structure found in flowering plants (plants of the division Magnoliophyta, also called angiosperms). The biological function of a flower is to facilitate reproduction, usually by providing a mechanism for the union of sperm with eggs. Flowers may facilitate outcrossing (fusion of sperm and eggs from different individuals in a population) resulting from cross-pollination or allow selfing (fusion of sperm and egg from the same flower) when self-pollination occurs.In addition to facilitating the reproduction of flowering plants, flowers have long been admired and used by humans to bring beauty to their environment, and also as objects of romance, ritual, esotericism, witchcraft, religion, medicine, and as a source of food.
TYPES OF FLOWERS
Aster
Most of these beautiful perennials are native to Eurasia, with only two from North America — the New York and New England asters. Their one-inch flowers are starbursts of closely packed, narrow petals in intense blue, purple, lilac, pink, or white.
California Poppy
Also known as the golden poppy, this bright red, orange, or yellow native plant is the state flower of California. It is either an annual or a perennial depending on the climate — annual in colder areas and perennial in warmer regions.
Chrysanthemum
Cultivated mums originated in China more than 3,000 years ago, and have become familiar and well-loved fall flowers the world over. Thousands of varieties with unique flower shapes brighten home gardens, containers, median strips, and parking lots from late summer through frost with their orange, red, yellow, purple, or white blooms
Daisies
Daisies are found on every continent other than Antarctica and belong to one of the largest known plant families. Daisies symbolized innocence, a connotation that comes from the Victorian era..
Daffodil
Daffodils go by many names depending on the species and variety — narcissus, jonquils, or paperwhites — but they are all daffodils and they all belong to the genus Narcissus.


this is a heading
this is a paragraph


EXAMPLE
it is an example for external css

Experiment Number : 6

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

Program Code

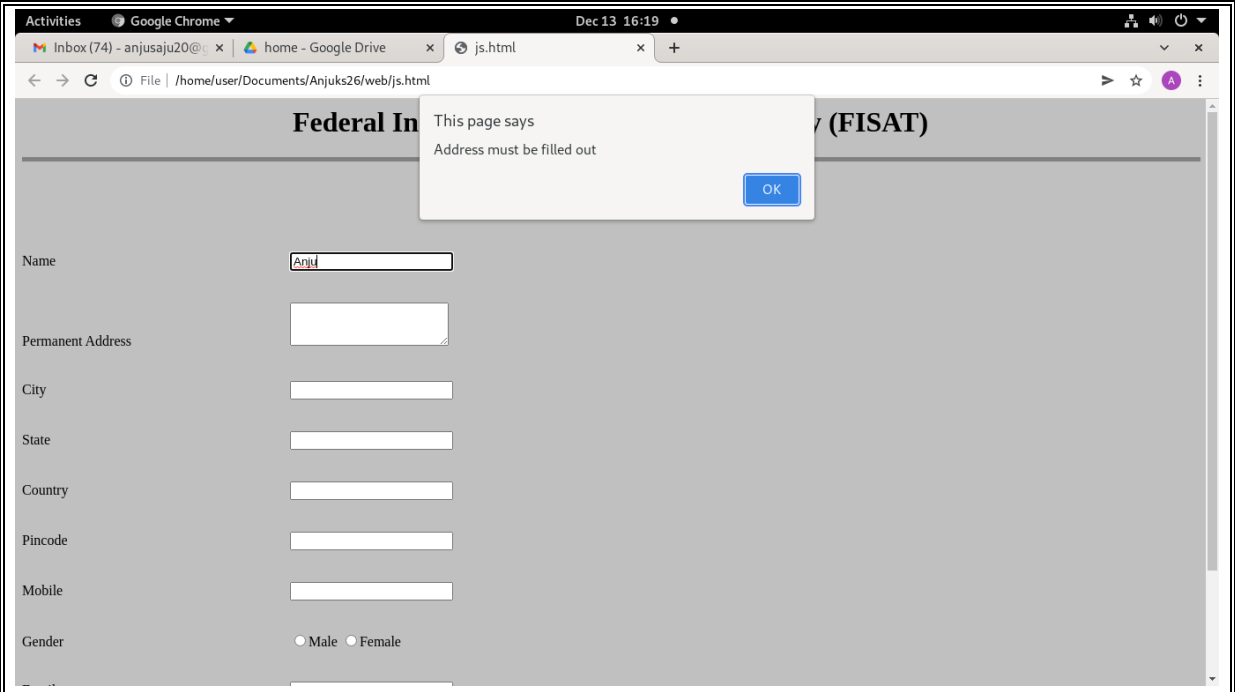
```
<html>
<head>
<script>
function validateForm()
{
 var x = document.forms["myForm"]["fname"].value;
 if (x == "")
 {
  alert("Name must be filled out");
  return false;
 }
 var a = document.forms["myForm"]["add"].value;
 if (a == "")
 {
  alert("Address must be filled out");
  return false;
 }
 var b = document.forms["myForm"]["city"].value;
 if (b == "")
 {
  alert("City must be filled out");
  return false;
 }
 var c = document.forms["myForm"]["state"].value;
 if (c == "")
```

```
{
 alert("State must be filled out");
 return false;
}
var d = document.forms["myForm"]["country"].value;
if (d == "")
{
 alert("Country must be filled out");
 return false;
 }
var e = document.forms["myForm"]["pincode"].value;
if (e == "")
{
 alert("Pin code must be filled out");
 return false;
}
var f = document.forms["myForm"]["mob"].value;
if (f == "")
{
 alert("Phone number must be filled out");
 return false;
}
var g = document.forms["myForm"]["gender"].value;
if (g == "")
{
 alert("Gender must be filled out");
 return false;
 }
 var h = document.forms["myForm"]["mail"].value;
if (h == "")
```

```
 {
  alert("Email id must be filled out");
  return false;
 }
 var i = document.forms["myForm"]["dob"].value;
 if (i == "")
 {
  alert("Date must be filled out");
  return false;
 }
}
</script>
<style>
label{
display: inline-block;
width: 300px;
}
</style>
</head>
<body bgcolor="silver">
<h1 align="center">Federal Institute of Science And Technology (FISAT)</h1><hr size="5" width=100%" noshade>
<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="pincode"><br><br><br>
<label>Mobile</label>
<input type="number" name="mob"><br><br><br>
<label>Gender</label>
<input type="radio" name="gender" value="m">Male
<input type="radio" name="gender" value="f">Female<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>
<input type="submit" value="Submit">
</form>
</body>
</html>
```

Output


Activities
Google Chrome
Dec 13 16:19
Inbox (74) - anjusaju20@
home - Google Drive
js.html
File | /home/user/Documents/Anjuks26/web/js.html
Federal In
(FISAT)
This page says
Address must be filled out
OK
Name
Anju
Permanent Address
City
State
Country
Pincode
Mobile
Gender
Male
Female

Experiment Number : 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)

Program Code

```
<html>
<head><title>program 7</title>
<body bgcolor="pink">
<p>The length property returns the
length of a string:</p>
<h2>JavaScript String
Length</h2>
<p id="length"></p>
<h2>JavaScript String slice()</h2>
<p id="demo"></p>

<script>

let text =
"ABCDEFGHIJKLMNOPQRSTUVWXY
Z";
document.getElementById("length").inn
erHTML = text.length; let str = "Apple,
Banana, Kiwi ,Jackfruit";
document.getElementById("demo").inner

HTML = str.slice(7,17);  </script>

<h2>JavaScript String substring()</h2>
<p id="sub"></p>

<script>

let sbr = "albin ,sebana, kurian";
document.getElementById("sub").innerHTM

L = sbr.substring(7,13); </script>

<h2>JavaScript String substr()</h2>
<p id="de"></p>

<script>
```

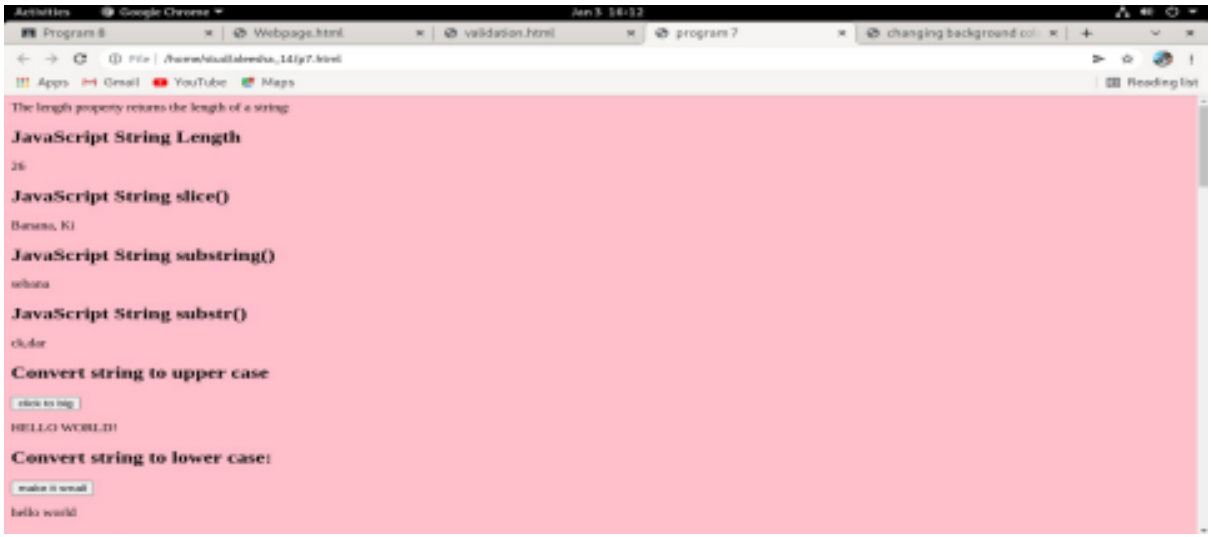
```
let pkr = "jack,mock,dark,peek";
document.getElementById("de").innerH

TML = pkr.substr(7,6); </script>

<h2>Convert string to upper case</h2>
<button onclick="capt()">click to big</button>
<p id="big">hello world!</p>

<script>
function capt() {
 let cap =
document.getElementById("big").i
nnerHTML;  document.getElement
ById("big").innerHTML =
 cap.toUpperCase();
}
</script>
<h2>Convert string to lower case:</h2>
<button onclick="small()">make it small</button>
<p id="omed">HELLO WORLD</p>

<script>
function small()
{
 let xx = document.getElementById("omed").innerHTML;
 document.getElementById("omed").innerHTML =
 xx.toLowerCase();
}
</script>
<H2>The concat() method joins two or more strings</H2>
<p id="con"></p>
<script>
let t1 = "Hello";
let t2 = "World!";
let t3 = t1.concat(" ",t2);
document.getElementById("con").innerHTML = t3;
</script>
<h2>The trim() Method</h2>
<p id="a"></p>
<script>
let txt1 = " Hello World ";
let txt2 = txt1.trim();
document.getElementById("a").innerHTML =
"Length txt1=" + txt1.length + "<br>Length2 txt2=" + txt2.length;
</script>
<h2>The charAt() method returns the character at a given
position in a string:</h2> <p id="b"></p>
<script>
var tt = "HELLO WORLD";
```

```
document.getElementById("b").innerHTML = tt.charAt(0);
</script>

<h2>JavaScript string to array, Methods</h2>
<p>Display the first array element, after a string split:</p>
<p id="c"></p>

<script>

let te = "a,b,c,d,e,f";
const myArray = te.split(",");
document.getElementById("c").innerHTML = myArray[0];
</script>

<h2>The indexOf() Method</h2>
<p>indexOf() returns the position of the first occurrence of a
specified value in a string.</p> <p> for eg:Find "welcome":</p>
<p id="e"></p>
<script>
let xt = "Hello world, welcome to the universe.";
let result = xt.indexOf("welcome");
document.getElementById("e").innerHTML = result;
</script>
<h2>The search() Method</h2>
<p>search() searches a string for a value and returns the
position of the match:</p> <p> Mr. Blue has a blue
house</p>
<p id="f"></p>
<script>
let txxt = "Mr. Blue has a blue house"
let position = txxt.search("Blue");
document.getElementById("f").innerHTML = position;
</script>
<h2>The includes() Method</h2>
<p>includes() returns true if an array contains
a specified element:</p> <p>"Cat", "Orange",
"Apple", "Mango", "Book"</p>
<p> Check mango</p>
<p id="g"></p>
<script>
const things = ["Cat", "Orange", "Apple", "Mango", "Book"];
document.getElementById("g").innerHTML =
things.includes("Mango"); </script>
<h2>JavaScript Math.round()</h2>
<p>Math.round(x) returns the value of x rounded to its
nearest integer:(4.6)</p> <p id="h"></p>
<script>
document.getElementById("h").innerHTML = Math.round(4.6);
</script>
<h2>JavaScript Math.ceil()</h2>
```

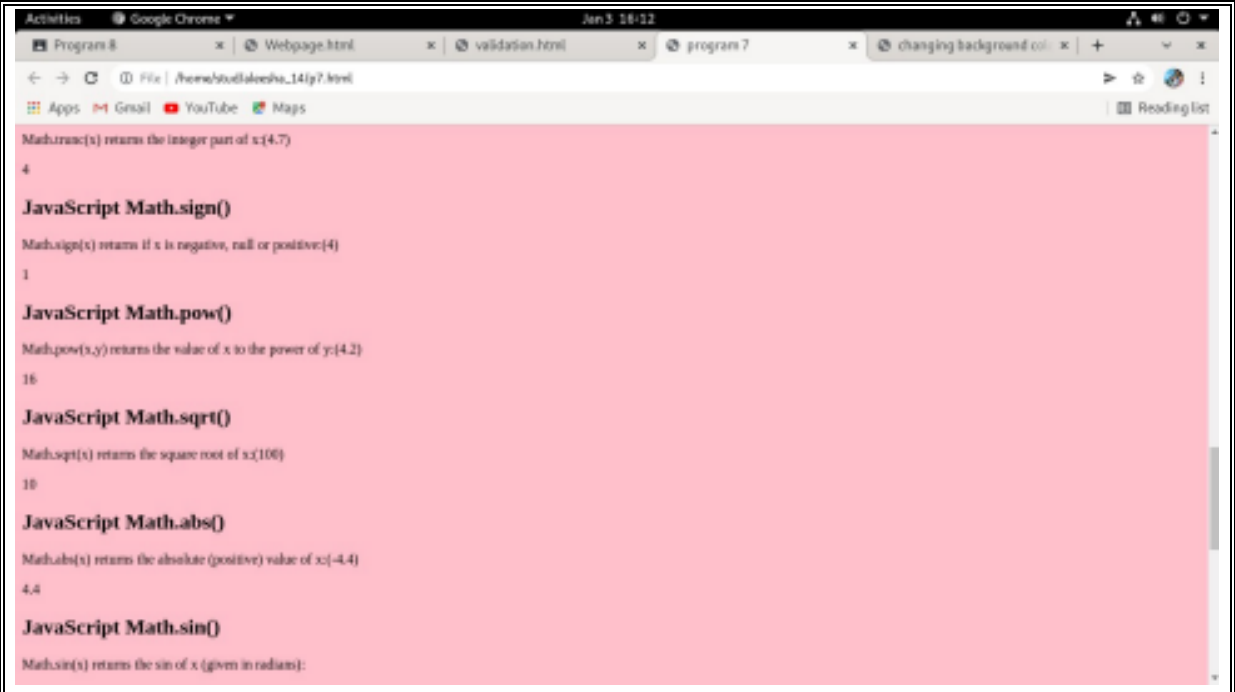
```
<p>Math.ceil() rounds a number <strong>up</strong> to its
nearest integer:(4.4)</p> <p id="i"></p>
<script>
document.getElementById("i").innerHTML = Math.ceil(4.4);
</script>


<h2>JavaScript Math.floor()</h2>
<p>Math.floor(x) returns the value of x rounded
<strong>down</strong> to its nearest integer: (4.7)</p>
<p id="j"></p>

<script>
document.getElementById("j").innerHTML = Math.floor(4.7);
</script>
<h2>JavaScript Math.trunc()</h2>
<p>Math.trunc(x) returns the integer part of x:(4.7)</p>
<p id="k"></p>
<script>
document.getElementById("k").innerHTML = Math.trunc(4.7);
</script>

<h2>JavaScript Math.sign()</h2>
<p>Math.sign(x) returns if x is negative, null or positive:(4)</p>
<p id="l"></p>
<script>
document.getElementById("l").innerHTML = Math.sign(4);
</script>
<h2>JavaScript Math.pow()</h2>
<p>Math.pow(x,y) returns the value of x to the power of y:(4.2)</p>
<p id="m"></p>
<script>
document.getElementById("m").innerHTML = Math.pow(4,2);
</script>
<h2>JavaScript Math.sqrt()</h2>
<p>Math.sqrt(x) returns the square root of x:(100)</p>
<p id="n"></p>
<script>
document.getElementById("n").innerHTML = Math.sqrt(100);
</script>
<h2>JavaScript Math.abs()</h2>
<p>Math.abs(x) returns the absolute (positive) value of x:(-4.4)</p>
<p id="o"></p>
<script>
document.getElementById("o").innerHTML = Math.abs(-4.4);
</script>

<h2>JavaScript Math.<strong>sin</strong>()</h2>

<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="p"></p>
<script>
document.getElementById("p").innerHTML =
"The sine value of 90 degrees is " + Math.sin(90 * Math.PI / 180);
</script>

<h2>JavaScript Math.<strong>cos</strong>()</h2>
<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="q"></p>
<script>
document.getElementById("q").innerHTML =
"The cosine value of 0 degrees is " + Math.cos(0 * Math.PI / 180);
</script>

<h2>JavaScript Math.<strong>min</strong>() JavaScript
Math.max()</h2> <p>Math.min() returns the lowest value in a list
of arguments(0, 150, 30, 20, -8, -200):</p> <p id="r"></p>
<script>
document.getElementById("r").innerHTML =
Math.min(0, 150, 30, 20, -8, -200);
</script>

<p>Math.max() returns the highest value in a list of arguments.(0,
150, 30, 20, -8, -200)</p> <p id="s"></p>
<script>
document.getElementById("s").innerHTML =
Math.max(0, 150, 30, 20, -8, -200);
</script>
<h2>JavaScript Math.random()</h2>
<p>Math.random() returns a random number between 0 and 1:</p>
<p id="u"></p>
<p>Tip: Click on "refresh on your s/m or reload the
page" several times.</p> <script>
document.getElementById("u").innerHTML = Math.random();
</script>
<h2>JavaScript Math.log()</h2>
<p>Math.log() returns the natural logarithm of a number:-0</p>
<p id="v"></p>
<script>
document.getElementById("v").innerHTML = Math.log(1);
</script>
<p>Math.log() returns the natural logarithm of a number:-1</p>
<p id="W"></p>
<script>
document.getElementById("W").innerHTML = Math.log(2);
</script>
</body>
</html>
```

Output


The length property returns the length of a string:
JavaScript String Length
26
JavaScript String slice()
Banana, Ki
JavaScript String substring()
ushana
JavaScript String substr()
ck,dor
Convert string to upper case
click to big
HELLO WORLD!
Convert string to lower case:
make it small
hello world


The concat() method joins two or more strings
Hello World
The trim() Method
The charAt() method returns the character at a given position in a string:
H
JavaScript string to array, Methods
The indexOf() Method
The search() Method


Activities
Google Chrome
Jan 3 18:12
Program 8
Webpage.html
validation.html
program 7
changing background col
/home/studlabcse/ss_14/p7.html
Apps
Gmail
YouTube
Maps
Reading list
Math.trunc(x) returns the integer part of x:(4.7)
4
JavaScript Math.sign()
Math.sign(x) returns if x is negative, null or positive:(4)
1
JavaScript Math.pow()
Math.pow(x,y) returns the value of x to the power of y:(4,2)
16
JavaScript Math.sqrt()
Math.sqrt(x) returns the square root of x:(100)
10
JavaScript Math.abs()
Math.abs(x) returns the absolute (positive) value of x:(-4.4)
4.4
JavaScript Math.sin()
Math.sin(x) returns the sin of x (given in radians):

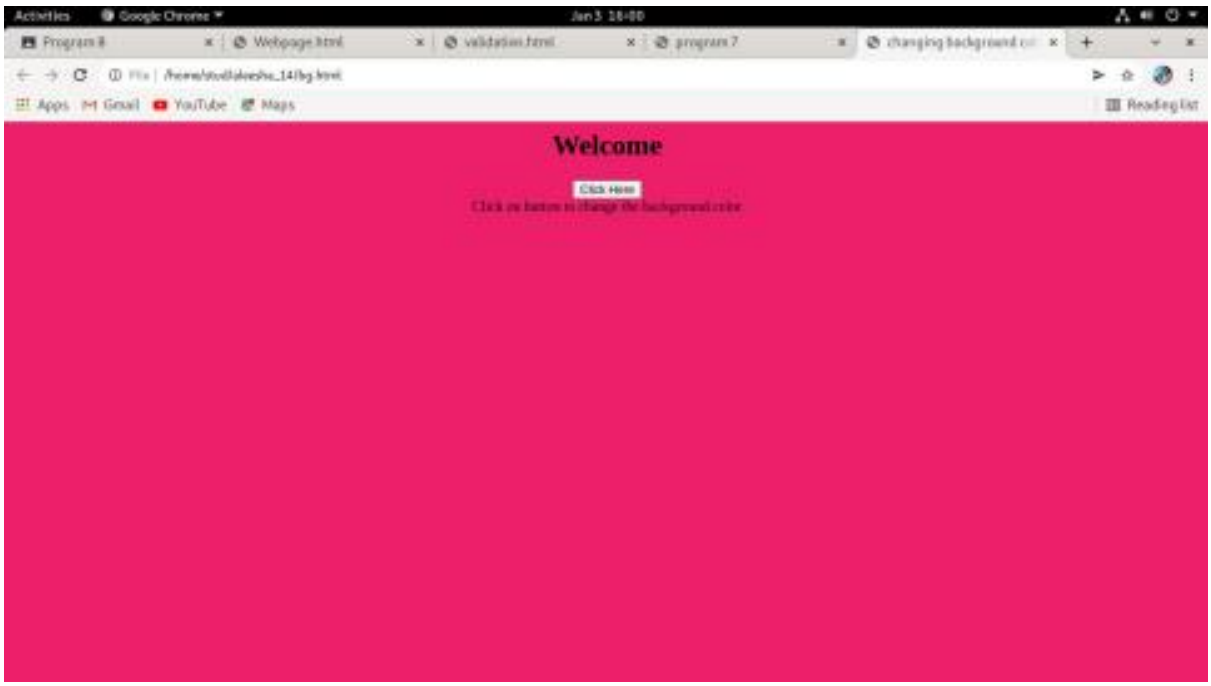
Experiment Number : 8

AIM: 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 background color
</title>
</head>
<body style = "text-align:center;">
<h1 style = "color:black;" >
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


Activities
Google Chrome
Jan 3 16:00
Program 8
Webpage.html
validation.html
program 7
changing background col
Apps
Gmail
YouTube
Maps
Reading list
Welcome
Click Here

Experiment Number : 9

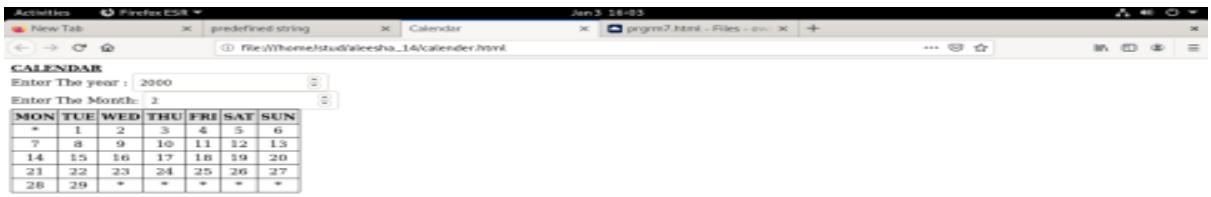
AIM: Generate the calendar using JavaScript code by getting the year and month from the user.

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: #E6E6E6;
}
</style>
</head>

<body>
<b><u>CALENDAR</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>

<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



Experiment Number : 10

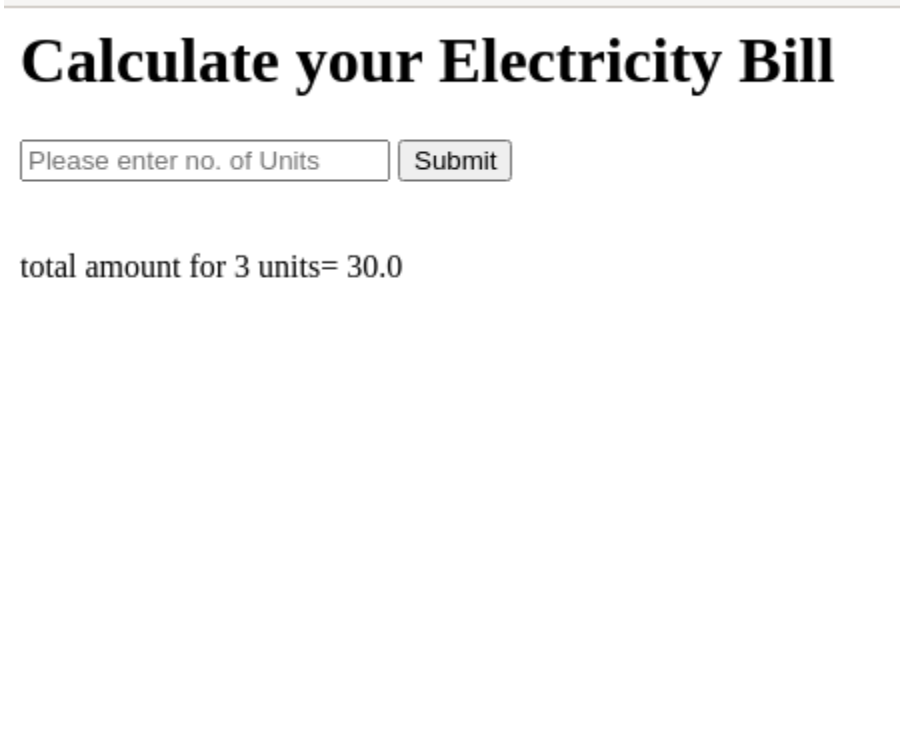
AIM: Compose Electricity bill from user input based on a given tariff using PHP.

Program Code

Program

```
<html>

<head>
        <title>PHP - Calculate Electricity Bill</title>
</head>
<?php
$bill = $cost= ' ';
if (isset($_POST['units-submit'])){
$units = $_POST['units'];
        if(!empty($units)){
        $cost = calculate_bill($units);
        $bill = 'total amount for ' . $units . ' units= ' . $cost;
        }
}
//function to calculate electricity bill
function calculate_bill($units){
$amount = $units*10;
return number_format((float)$amount, 1, '.', '');
}
?>
<body>

                <h1>Calculate your Electricity Bill</h1>
                <form action="" method="post">
                <input type="number" name="units" id="units" placeholder="Please enter no.
of Units" />
                <input type="submit" name="units-submit" id="units-submit" value="Submit"
/>
                </form>
                <div>
                  <?php echo '<br />' . $bill; ?>
                </div>

</body>
</html>
```

Output


Calculate your Electricity Bill
Please enter no. of Units
Submit
total amount for 3 units= 30.0

Experiment Number : 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.

Program Code

asort

```
<html>
<body>

<?php
$age = array("anjana"=>"20", "geetha"=>"41", "ashokan"=>"51");
asort($age);

foreach($age as $x => $x_value) {
        echo "Key=" . $x . ", Value=" . $x_value;
        echo "<br>";
}
?>

</body>
</html>
```

rsort

```
<html>
<body>

<?php
$numbers = array(5 , 3, 1, 2, 4);
rsort($numbers);

$arrlength = count($numbers);
for($x = 0; $x < $arrlength; $x++) {
        echo $numbers[$x];
        echo "<br>";
}
?>

</body>
</html>
```

Output

```
Key=anjana, Value=20
Key=geetha, Value=41
Key=ashokan, Value=51
```

```
5
4
3
2
1
```

Experiment Number : 12

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

Program 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

Experiment Number : 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.

Program 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="search.html">Search Book</a><br>
</body>
</html>
```

add_book.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="accs_no"><br>
Title:<input type="text" name="title"><br>
Author:<input type="text" name="author"><br>
Edition:<input type="text" name="edition"><br>
Publisher:<input type="text" name="publisher"><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</form>
</body>
</html>
```

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>
```

addl.php

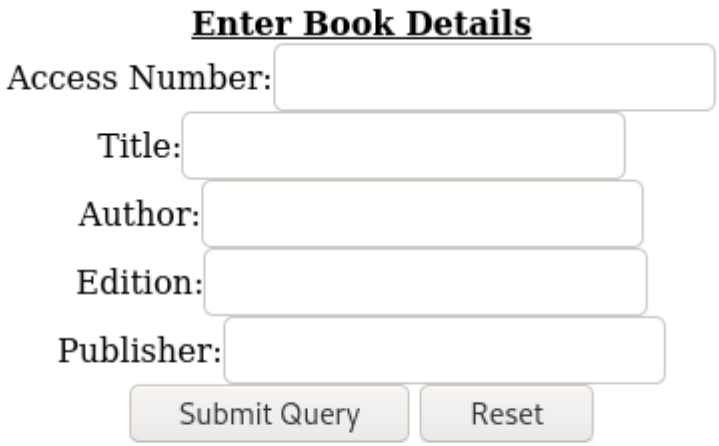
```
<?php
$accs_no=$_POST['accs_no'];
$title=$_POST['title'];
$author=$_POST['author'];
$edition=$_POST['edition'];
$publisher=$_POST['publisher'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{ echo "Failed to connect"; }
else
{ echo "connected"; }
$sql="INSERT INTO book VALUES('$accs_no','$title','$author','$edition','$publisher')";
if($con->query($sql))
{
echo "<BR>";
echo 'New row added';
}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>
```

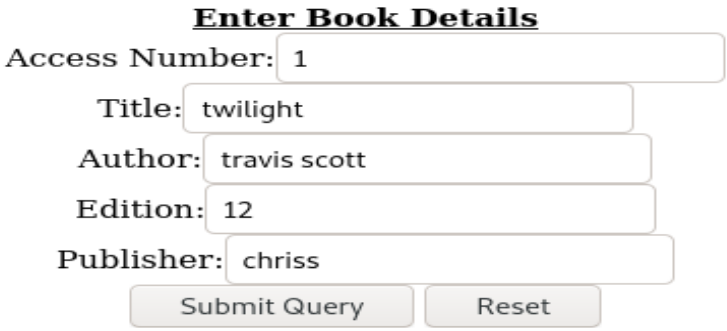
searchl.php

```
<?php
$title=$_POST['txt'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected\n";
}
$sql="select * from book where Title='$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 "ERROR:could not execute query";
 }
$con->close();
?>
```

Output





SEARCH A BOOK

Enter book title: twilight

Submit Query

connected 1:Harry Potter:abc:7:xyz

Experiment Number : 14

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

Program Code

Addl.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";
}
```

```
$sql="INSERT INTO airline34 VALUES($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

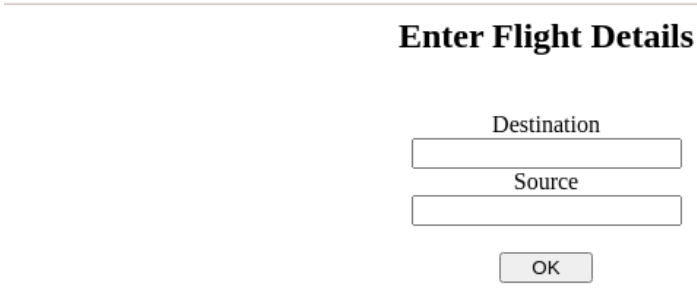
```
<html>
<head>
<title>search</title>
<style>

    label {
      display: inline-block;
      width: 300px;
    }
  </style>
</head>
<body>
<form name="frm2" action="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>
```

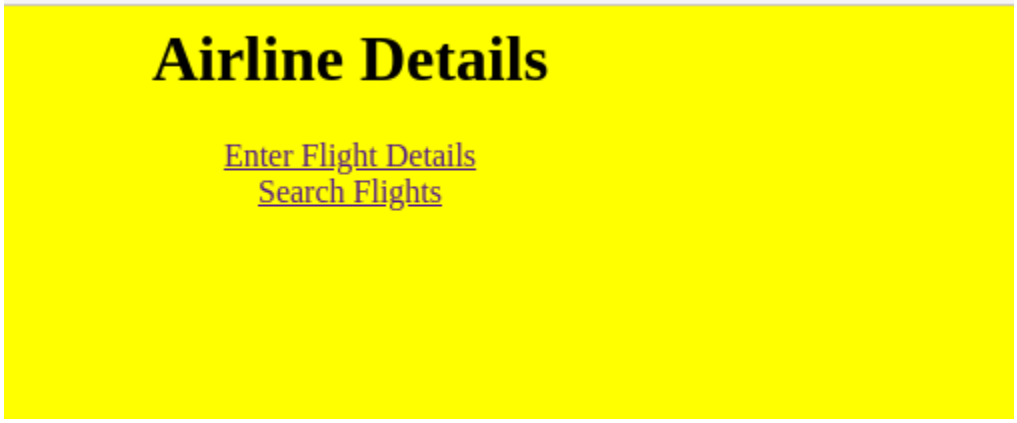
```
</body>
</html>
```

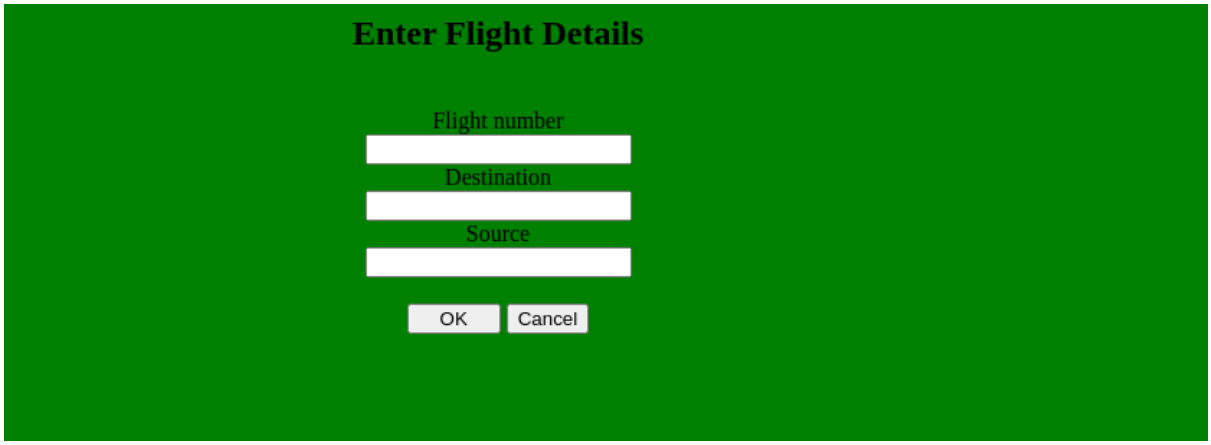
Search.php

```
<?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";
}
$sql="select * from airline34 where Source='$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


Enter Flight Details
Destination
Source
OK


Airline Details
Enter Flight Details
Search Flights


Enter Flight Details
Flight number
Destination
Source
OK
Cancel


Enter Flight Details
Flight number
1089
Destination
canada
Source
thrissur
OK
Cancel