FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)™

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577

FOCUS ON EXCELLENCE

LABORATORY RECORD

20MCA133 –WEB PROGRAMMING LAB

Name: ANUPAMA RAJU

Branch: MASTER OF COMPUTER APPLICATIONS

Semester: 1 **Batch: A** **Roll No: 33**

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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 ***ANUPAMA RAJU(FIT21MCA-2033)*** *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

Name:

Signature of H O D

Name:

Date of University practical examination ……

Signature of
Internal Examiner

Signature of
External Examiner

CONTENT

13	**17/01/22**	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	**42-48**	
14	**17/01/22**	Using PHP and MySQL, develop a program to collect airline details and display all the airlines between a particular source and destination.	**49-56**	

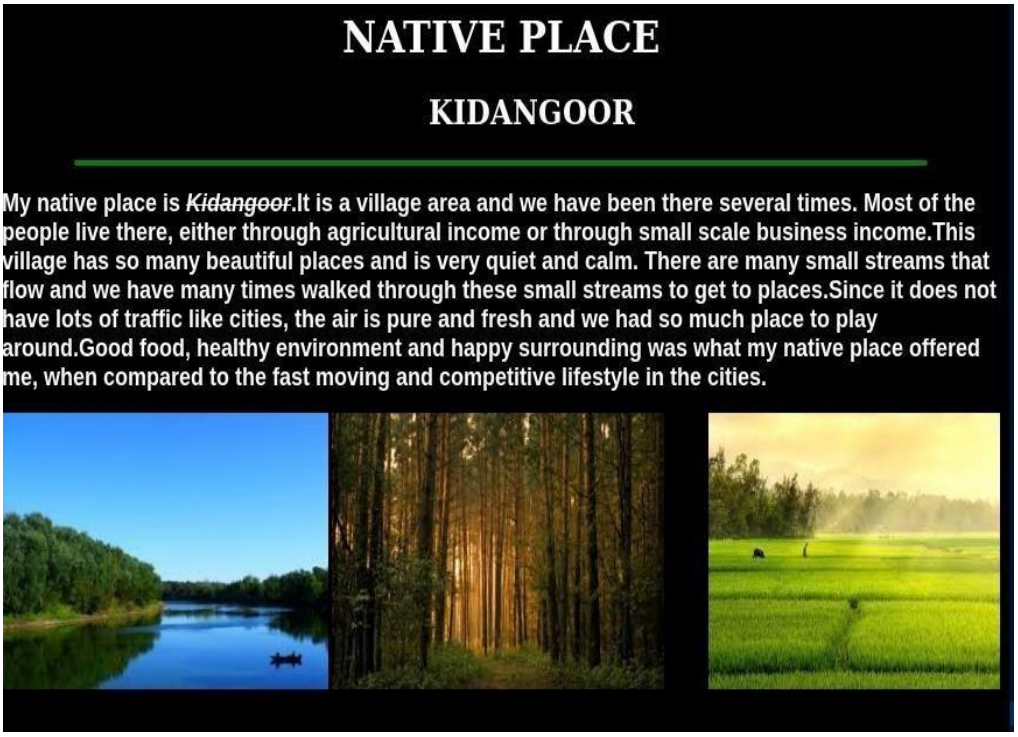
Experiment Number : 1

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

Program code:

```
<html>
<head>
<title>Native Place</title>
</head>
<body size="100" bgcolor="black" text="white">
<h1><center><b>NATIVE PLACE</b></center></h1>
<h2><b><marquee>KIDANGOOR</marquee></b></h2>
<hr align="center" size="5" width="85%"color="green">
<p><b><font size="4" face="arial" weight="200" color="white">My native place is
<strong><em><s>Kidangoor</s></em></strong>.It is a village area and we have been there several times. Most of the people live there, either through agricultural income or through small scale business income.This village has so many beautiful places and is very quiet and calm. There are many small streams that flow and we have many times walked through these small streams to get to places.Since it does not have lots of traffic like cities, the air is pure and fresh and we had so much place to play around.Good food, healthy environment and happy surrounding was what my native place offered me, when comparedto the fast moving and competitive lifestyle in the cities. </b></p>
<img src="images4.jpeg" height="200" width="280" align="left">
<img src="image3.jpeg" height="200" width="285" align="center">
<img src="index.jpeg" height="200" width="250" align="right">
</body>
</html>
```

Output


NATIVE PLACE
KIDANGOOR
My native place is ~~Kidangoor~~.It is a village area and we have been there several times. Most of the people live there, either through agricultural income or through small scale business income.This village has so many beautiful places and is very quiet and calm. There are many small streams that flow and we have many times walked through these small streams to get to places.Since it does not have lots of traffic like cities, the air is pure and fresh and we had so much place to play around.Good food, healthy environment and happy surrounding was what my native place offered me, when compared to the fast moving and competitive lifestyle in the cities.

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 color elements. The design should contain a minimum of 3 hyperlinks

Program code:

Bio.html

```
<html>
<head>
<title>Biodata</title>
</head>
<body>
<h1><center>BIO DATA</center></h1>
<hr align="center" size="5" width="85%">
<p><img src="images5.jpeg" height="100" width="100" align="right">
<br>NAME :Anupama Raju<br><br> DOB:13-12-2000<br><br> FATHER'S
NAME :Raju P.D<br><br>
MOTHER'S NAME :Daji Raju<br><br> MARITAL STATUS :Single<br><br>
QUALIFICATION : Degree<br><br> EXPERIENCE: FRESHER<br><br>
PLACE: Angamaly<br><br>
PHONE NUMBER : 8943634834<br><br>
MAIL ID :anuzz@gmail.com<br><br>
<a href="bio2.html">Click here</a>
</body>
</html>
```

Bio2.html

```
<html>
<head>
<title>Education</title>
</head>
<body>
<center><h2>EDUCATION DETAILS...</h2>
<table cellspacing="8" cellpadding="15" border="1">
<tr>
<th>Course</th>
<th>Institute</th>
<th>Year of Passing</th>
<th>Percentage</th></tr>
<tr><td>SSLC</td>
<td>St.Joseph's HSS Kidangoor</td>
<td>2016</td>
<td>92%</td>
</tr><tr>
<td>Plus Two</td>
<td>GHSS Mookkannur</td>
<td>2018</td>
<td>80%</td>
</tr><tr>
<td>BCA</td>
<td>DiST Angamaly</td>
<td>2021</td>
<td>72%</td></tr>
</table>
</center>
</body></html>
```

Output

BIO DATA

NAME :Anupama Raju

DOB:13-12-2000

FATHER'S NAME :Raju P.D

MOTHER'S NAME :Daji Raju

MARITAL STATUS :Single

QUALIFICATION : Degree

EXPERIENCE: FRESHER

PLACE: Angamaly

PHONE NUMBER : 8943634834

MAIL ID :anuzz@gmail.com

Click here

EDUCATION DETAILS...

Course	Institute	Year of Passing	Percentage
SSLC	St.Joseph's HSS Kidangoor	2016	92%
Plus Two	GHSS Mookkannur	2018	80%
BCA	DiST Angamaly	2021	72%

Experiment Number: 3

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

Program code

```
 <html>
<head>
<title>Form</title>
</head>
<body>
<center><img src="log.jpeg" width="140" height="140"></center>
<center><h1><font color="red"><b>Federal Institute of Science and
Technology</b></h1></center>
<hr align="center" size="3" width="85%">
<form method="POST" action="appl.html">
<h2><center><font color="blue">Application Form</center></h2><br>
<table>
<tr>
<td>Name:</td><td><input type="text" name="name"><br><br></td>
</tr>
<tr>
<td>Address:</td><td><textarea name="add" rows="2"
cols="25"></textarea><br><br></td>
</tr>
<tr>
<td>Phone no:</td><td><input type="number" name="no"><br><br></td>
</tr>
  <tr>
<td>Email:</td><td><input type="email" name="email"><br><br></td>
</tr>
<tr>
<td>Date of Birth:</td><td><input type="date" name="dob"><br><br></td>
</tr>
<tr>
<td>Gender:</td><td><input type="radio" name="gen" value="Female">Female
<input type="radio" name="gen" value="Male">Male<br><br></td>
</tr>
<tr>
<td>Photo:</td>
```

```
<td><input type="file"><br><br></td>
</tr>
<tr>
<td>Nationality:</td><td><input type="text" name="nat"><br><br></td>
</tr>
<tr>
<td>Religion:</td><td><select name="reli">
<option selected>--Select an option--
<option>Christian
<option>Muslim
<option>Hindu
<option>Others<br><br></td>
</tr>
<tr><td><br><b>Father's Details:</b></td><td><br><br></td></tr>
<tr><td>Name:</td><td><input type="text" name="name"><br><br></td></tr>
<tr><td>Occupation:</td><td><input type="text" name="occ"><br><br></td></tr>
<tr><td>Phone no:</td><td><input type="number"
name="phno"><br><br></td></tr>
<tr><td><br><b>Mother's Details:</b></td><td><br><br></td></tr>
<tr><td>Name:</td><td><input type="text" name="name"><br><br></td></tr>
<tr><td>Occupation:</td><td><input type="text" name="occ"><br><br></td></tr>
<tr><td>Phone no:</td><td><input type="number"
name="phno"><br><br></td></tr>
<tr><td><br><b>Academic Qualification :</td><td></b><br><br></td></tr>
<tr><td>Tenth %:</td><td><input type="text" name="ten"><br><br></td></tr>
<tr><td>Plus Two %:</td><td><input type="text" name="plus"><br><br></td></tr>
<tr><td>Graduation Course :</td><td><input type="radio" name="course">BCA
<input type="radio" name="course">BCom
<input type="radio" name="course">Bsc
<input type="radio" name="course">Others<br><br></td></tr><br><br></td></tr>
<tr><td>Degree Percentage:</td><td><input type="text"
name="mark"><br><br></td>
</tr>
<tr><td>Submit</td><td><input type="submit" name="send"
value="send"><br><br></td></tr>
<tr><td>Reset</td><td><input type="reset" name="clear"
value="clear"><br><br></td></tr>
</form>
</body>
</html>
```

Output

Federal Institute of Science and Technology

Application Form

Name:

Address:

Phone no:

Email:

Date of Birth: dd-mm-yyyy

Gender: Female Male

Photo: Choose File No file chosen

Nationality:

Religion: --Select an option--

Father's Details:

Name:

Occupation:

Phone no:

Mother's Details:

Name:

Occupation:

Phone no:

Academic Qualification :

Tenth %:

Plus Two %:

Graduation Course : BCA BCom Bsc Others

Degree Percentage:

Submit send

Reset clear

Experiment Number: 4

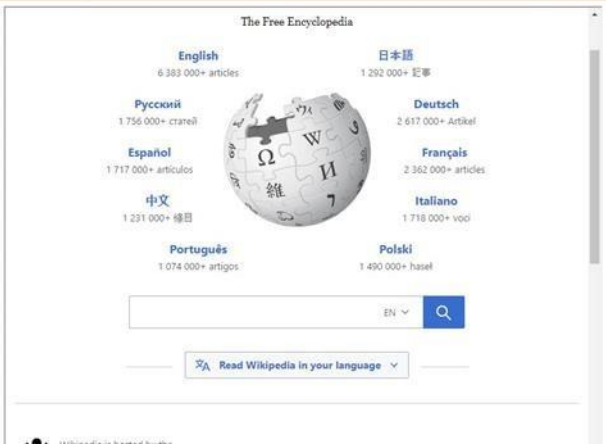
Aim: Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.

Program code:

Floating frame

```
<html>
<head>
<title>Floating Frame</title>
</head>
<iframe src="https://www.wikipedia.org/" height="600" width="800">
</iframe>
```

Output:



Navigation frame(navigation.html)

```
<html>
 <head>
 <title>navigation</title>
 </head>
 <frameset cols="400,*">
 <frame src="nav2.html" name="showframe">
 <frame name="showframe2">
 </frameset>
 </html>
```

Nav2.html

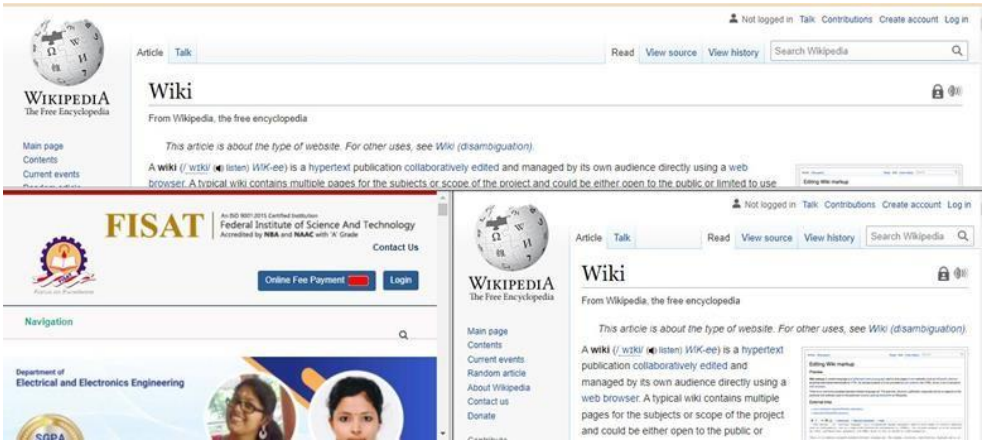
```
<html>
<h1>NAVIGATION FRAME</h1>
<a href = "http://www.wikipedia.org" target="showframe2">frame</a>
</html>
```

Output

Mixed frame

```
<html>
<head>
<title>Example of mixed frame</title>
</head>
<frameset>
<frameset rows="250,*">
<frame src="https://en.wikipedia.org/wiki/Wiki">
<frameset cols="450,*">
<frame src="https://www.fisat.ac.in">
<frame src="https://en.wikipedia.org/wiki/Wiki">
</frameset>
</frameset>
<html>
```

Output



Experiment Number: 5

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

Program code:

Inline

```
<html>
<head>
<title>CSS</title>
</head>
<body style="background-color:powderblue;">
<h1 style="color:blue;">Inline CSS</h1>
<p style="color:red;">CSS is the language we use to
style an HTML document. CSS describes how
HTML elements should be displayed.
This tutorial will teach you CSS from basic to advanced.</p>
</body>
</html>
```

Output

External

```
<html>
<head>
<link rel="stylesheet" href="styles.css">
</head>
<body>
<h1>External CSS</h1>
<p>External CSS contains separate CSS file which contains only style property with the helpof tag attributes (For example class, id, heading, … etc). CSS property written in a separatefile with .css extension and should be linked to the HTML document using link tag. This means that for each element, style can be set only once and that will be applied across webpages.</p>
</body>
</html>
```

CSS Page(styles.css)

```
body {
background-color: powderblue;
}
h1 {
color: blue;
}
p {
color: red;
}
```

Output:


External CSS
External CSS contains separate CSS file which contains only style property with the help of tag attributes (For example class, id, heading, ... etc). CSS property written in a separate file with .css extension and should be linked to the HTML document using link tag. This means that for each element, style can be set only once and that will be applied across web pages.

Internal

```
<html>
  <head>
<style> body{
background-color: powderblue;
}
h1{
color: blue;
}
p{
color: red;
border: 2px solid powderblue;
}
</style>
</head>
<body>
 <h1>Internal CSS</h1>
  <p>CSS stands for Cascading Style Sheets.CSS describes how HTML elements are to be displayed on screen, paper, or in other media
CSS saves a lot of work. It can control the layout of multiple web pages all at once.External stylesheets are stored in CSS files
</p>
</body>
<html>
```

Output:


Internal CSS
CSS stands for Cascading Style Sheets.CSS describes how HTML elements are to be displayed on screen, paper, or in other media CSS saves a lot of work. It can control the layout of multiple web pages all at once.External stylesheets are stored in CSS files

Experiment Number:6

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

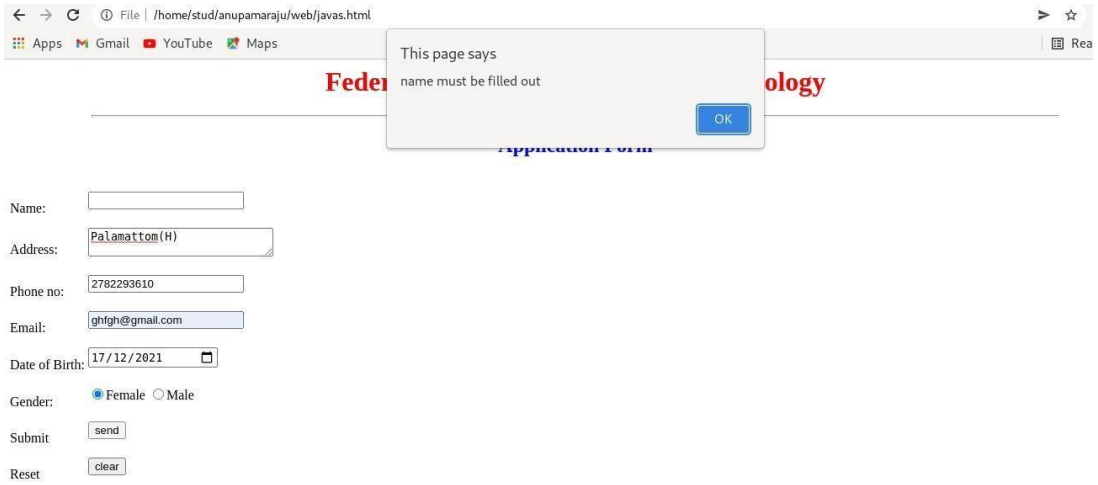
Program code

```
<html>
<head>
<title>Form</title>
<script>
function validateform()
{
var x=document.forms["form1"]["name"].value;
 if(x=="")
{
alert("name must be filled out");
 return false;
}
var y=document.forms["form1"]["phno"].value;
 if(y=="")
{
alert("Phone number must be filled out");
return false;
}
}
</script>
</head>
<body>
<center><h1><font color="red"><b>Federal Institute of Science and Technology</b></h1></center>
```

```
<hr align="center" size="3" width="85%">

<form name="form1" method="POST" action="javas.html" onsubmit="return
validateform()">

<h2><center><font color="blue">Application Form</center></h2><br>

<table>

<tr>

<td>Name:</td><td><input type="text" name="name"><br><br></td>

</tr>

<tr>

<td>Address:</td><td><textarea name="add" rows="2"
cols="25"></textarea><br><br></td>

</tr>

<tr>

<td>Phone no:</td><td><input type="number" name="phno"
size="10"><br><br></td>

</tr>

<tr>

<td>Email:</td><td><input type="email" name="email"><br><br></td>

</tr>

<tr>

<td>Date of Birth:</td><td><input type="date" name="dob"><br><br></td>

</tr>

<tr>

<td>Gender:</td><td><input type="radio" name="gen" value="Female">Female

<input type="radio" name="gen" value="Male">Male<br><br></td>

</tr>

<tr><td>Submit</td><td><input type="submit" name="send"
value="send"><br><br></td></tr>

<tr><td>Reset</td><td><input type="reset" name="clear"
value="clear"><br><br></td></tr>
```

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

Output



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

Program code

string functions

```
<html>
<head>
<title>String functions</title>
</head>
<body>
<p>The length of the string:</p>
<p id="demo"></p>
<p>The slice() method extract a part of a string
and returns the extracted parts in a new string:</p>
<p id="demo1"></p>
<p>The substring() method extract a part of a string and returns the extracted parts in a new string:</p>
<p id="demo2"></p>
<p>The substr() method extract a part of a string
and returns the extracted parts in a new string:</p>
```

```
<p id="demo3"></p>

<p>Replace "Microsoft" with "W3Schools" in the paragraph below:</p>

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

<p>Convert string to upper case:</p>

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

<p id="demo5">Hello World!</p>

<p>Convert string to lower case:</p>

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

<p id="demo6">Hello World!</p>

<p>The concat() method joins two or more strings:</p>

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

<p>The trim() method removes whitespace from both sides of a string:</p>

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

<p>The charAt() method returns the character at a given position in a string:</p>

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

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

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

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

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

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

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

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

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

<script>

let text = "Good Morning";

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

let str = "Car,Bike,cycle";

document.getElementById("demo1").innerHTML=str.slice(-10,-6);

let str2 = "Car,Bike,cycle";

document.getElementById("demo2").innerHTML= str2.substring(9, 14);

let str3 = "Apple,Banana,Kiwi";

document.getElementById("demo3").innerHTML= str3.substr(6,7);

let text2 = "Please visit Microsoft!";

document.getElementById("demo4").innerHTML= text2.replace("Microsoft",
"W3Schools");

function myFunction() {

  let text3 = document.getElementById("demo5").innerHTML;

  document.getElementById("demo5").innerHTML =text3.toUpperCase();

}

function myFunction2() {

  let text33 = document.getElementById("demo6").innerHTML;

  document.getElementById("demo6").innerHTML =text33.toLowerCase();

}
```

```
let text4 = "Thank";

let text5 = "You";

document.getElementById("demo7").innerHTML= text4.concat(" ", text5);

let text6 = "      Hello World!      ";

document.getElementById("demo8").innerHTML= text6.trim();

let text7 = "HELLO WORLD";

document.getElementById("demo9").innerHTML= text7.charAt(1);

let text8 = "a,b,c,d,e,f";

const myArray = text8.split(",");

document.getElementById("demo10").innerHTML = myArray[0];

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

document.getElementById("demo11").innerHTML = str4.indexOf("locate");

let str5 = "Please locate where 'locate' occurs!";

document.getElementById("demo12").innerHTML =  str5.search("locate");

let text9 = "Hello world, welcome to the universe.";

document.getElementById("demo13").innerHTML = text9.includes("world");

</script>

</body>

</html>
```

Math functions

```
<html>

<body>

<h2>Math functions</h2>

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

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

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

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

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

<p id="demo2"></p>

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

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

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

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

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

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

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

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

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

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

<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="demo8"></p>

<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="demo9"></p>

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

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

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

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

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

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

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

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

<script>

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

document.getElementById("demo1").innerHTML = Math.ceil(5.4);

document.getElementById("demo2").innerHTML = Math.floor(4.7);

document.getElementById("demo3").innerHTML = Math.trunc(4.7);

document.getElementById("demo4").innerHTML = Math.sign(4);

document.getElementById("demo5").innerHTML = Math.pow(8,2);

document.getElementById("demo6").innerHTML = Math.sqrt(64);

document.getElementById("demo7").innerHTML = Math.abs(-4.4);
```

```
document.getElementById("demo8").innerHTML

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

    document.getElementById("demo9").innerHTML =

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

document.getElementById("demo10").innerHTML =

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

document.getElementById("demo11").innerHTML =

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

document.getElementById("demo12").innerHTML = Math.random();

document.getElementById("demo13").innerHTML = Math.log(1);

</script>

</body>

</html>
```

Output

The trim() method removes whitespace from both sides of a string:

Hello World!

The charAt() method returns the character at a given position in a string:

E

Display the first array element, after a string split:

a

The indexOf() method returns the position of the first occurrence of a specified text:

7

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

7

Check if a string includes "world":

true

The length of the string:

12

The slice() method extract a part of a string and returns the extracted parts in a new string:

Bike

The substring() method extract a part of a string and returns the extracted parts in a new string:

cycle

The substr() method extract a part of a string and returns the extracted parts in a new string:

Banana,

Replace "Microsoft" with "W3Schools" in the paragraph below:

Please visit W3Schools!

Convert string to upper case:

Try it

Hello World!

Convert string to lower case:

Try it

Hello World!

The concat() method joins two or more strings:

Thank You

Math functions

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

5

Math.ceil() rounds a number **up** to its nearest integer:

6

Math.floor(x) returns the value of x rounded **down** to its nearest integer:

4

Math.trunc(x) returns the integer part of x:

4

Math.sign(x) returns if x is negative, null or positive:

1

Math.pow(x,y) returns the value of x to the power of y:

64

Math.sqrt(x) returns the square root of x:

8

Math.abs(x) returns the absolute (positive) value of x:

4.4

Math.sin(x) returns the sin of x (given in radians):

Angle in radians = (angle in degrees) * PI / 180.

The sine value of 90 degrees is 1

Math.cos(x) returns the cosine of x (given in radians):

Angle in radians = (angle in degrees) * PI / 180.

The cosine value of 0 degrees is 1

Math.min() returns the lowest value in a list of arguments:

-200

Math.max() returns the highest value in a list of arguments.

150

Math.random() returns a random number between 0 and 1:

0.759649061838183

Math.log() returns the natural logarithm of a number:

0

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

Output


Welcome
Click Here!!
Click on button to change the background color

Experiment Number:9

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

Program code:

```
<!DOCTYPE HTML>
<html>
<head><title>Calendar</title>
<style>
table {
border-collapse: collapse;
}
td, th {
border: 1px solid black;
padding: 3px;
text-align: center;
}
th {
font-weight: bold;
background-color: grey;
}
</style>
</head>
```

```
<body>
<h2><b>CALENDAR</b></h2><br>
Enter The year : <input type="number" name="cal" id="cal" /><br><br>
Enter The Month: <input type="number" name="month" id="month" /><br>
<br>
<button onclick="calculate()">Click here</button><br>
<div id="calendar"></div>
<script>
function calculate()  {
    var year = document.getElementById("cal").value;
    var month = document.getElementById("month").value;
    createCalendar(year,month);
}
function getDay(date) {
    let day = date.getDay();
    if (day == 0) day = 7;
    return day - 1;
}
function createCalendar(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>';
    document.getElementById("calendar").innerHTML = table;
}
createCalendar(calendar, year, month);
</script></body></html>
```

Output

CALENDAR

Enter The year : 2000

Enter The Month: 12

Click here

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	31

Experiment Number:10

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

Program code:

```
<html>

<body>

<h2>Electricity bill</h2>

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

Name:<input type="name" name="name"><br><br>

Consumer Id:<input type="name" name="cid"><br><br>

Electricity consumed:<input type="number" name="elect"><br><br>

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

</body>

</html>
```

bill.php

```
<html>

<body>

<h2>Electricity Bill</h2>

Name:<?php echo $_POST["name"];?> <br><br>

Consumer Id:<?php echo $_POST["cid"];?> <br><br>

Electricity Consumed:

<?php echo $_POST["elect"]; ?>

<br>
```

```
.....

 <br>

   Amount:

   <?php

  echo $_POST["elect"] * 10;

   ?>

 </body>

</html>
```

Output

Electricity bill

Name: anu

Consumer Id: 1232546

Electricity consumed: 50

submit

Experiment Number:11

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

Program code:

```
<?php
$stud=array("Anupama","Athira","Izra");
echo "List of Students";
echo "<br>";
print_r($stud);
echo "<br>";
echo "Sorted list:";
echo "<br>";
asort($stud);
print_r($stud);
echo "<br>";
echo "Reverse list:";
echo "<br>";
arsort($stud);
print_r($stud);
?>
```

Output

```
List of Students
Array ( [0] => Anupama [1] => Athira [2] => Izra )
Sorted list:
Array ( [0] => Anupama [1] => Athira [2] => Izra )
Reverse list:
Array ( [2] => Izra [1] => Athira [0] => Anupama )
```

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

Indian Cricketers: Virat Kohli, M S Dhoni andRohit Sharma.

INDIAN CRICKETERS

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

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">
<h2>BOOK INFORMATION SYSTEM</h2>
<a href="addbook.html">ADD BOOK</a><br><br>
<a href="search.html">SEARCH BOOK</a><br>
</body>
</html>
```

Addbook.html

```
<html>
<head>
<title>Add Book</title>
</head>
```

```
<body align="center">

<h2>BOOK DETAILS</h2>

<form name="form1" action="add.php" method="POST">

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

Accession number:<input type="number" name="num"><br><br> Title:<input type="text" name="tit"><br><br>

Author:<input type="text" name="auth"><br><br> Edition:<input type="number" name="edi"><br><br> Publisher:<input type="text" name="pub"><br><br>

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

<input type="reset" name="reset"><br>

</body>

</html>
```

add.php

```
<?php

$num=$_POST['num'];

$tit=$_POST['tit'];

$auth=$_POST['auth'];

$edi=$_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,'$tit','$auth','$edi','$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="form2" action="search1.php" method="POST">
```

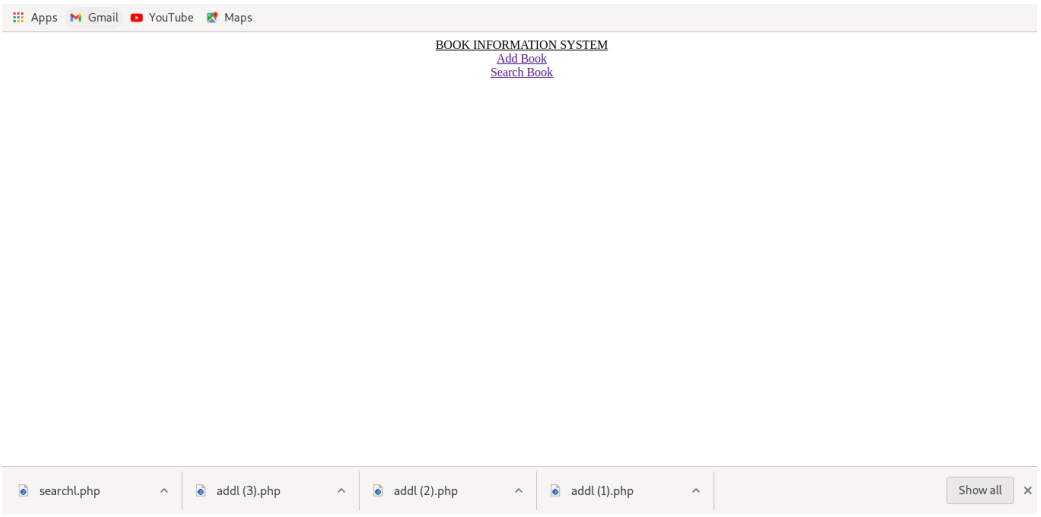
```
<center>
<b><u>SEARCH A BOOK</u></b><br><br>
Enter book title:<input type="text" name="txt"><br><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>
```

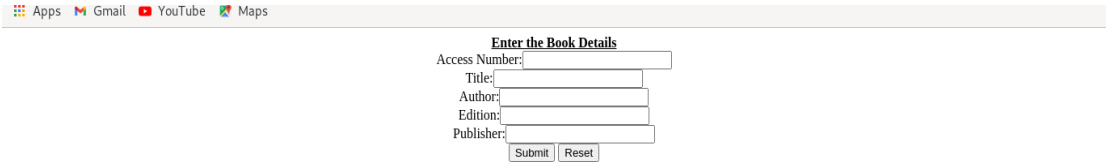
search1.php

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

Output


Apps
Gmail
YouTube
Maps
BOOK INFORMATION SYSTEM
Add Book
Search Book
searchl.php
addl (3).php
addl (2).php
addl (1).php
Show all


Apps
Gmail
YouTube
Maps
Enter the Book Details
Access Number:
Title:
Author:
Edition:
Publisher:
Submit
Reset

SEARCH A BOOK

Enter book title: Submit

```
MariaDB [fisatdb]> SELECT * FROM BOOKINFO;
+--------------+---------------------+------------------+---------+---------------------+
| AccessNumber | Title               | Author           | Edition | Publisher           |
+--------------+---------------------+------------------+---------+---------------------+
| 1            | cpp                 | john doe         | 2       | penguin books       |
| 12           | cpppp               | john doeee       | 22      | penguin bookss      |
| 2            | python fundamentals | severus snape    | 3       | penguin books       |
| 3            | the study of wands  | albus dumbledore | 50      | hogwarts publishing |
```

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:

Airline.html

```
<html>
<head>
<title>Airline</title>
</head>
<body align="center"><u>AIRLINE SYSTEM</u><br><br>
<a href="add.html">Add Airline</a><br><br>
<a href="search.html">Search Airline</a><br>
</body>
</html>
```

Add.html

```
<html><head>
<title>Airline details</title></head>
<style>
    label {
      display: inline-block;
      width: 300px;
    }
  </style>
```

```
<body>
<form name="frm1" action="addl.php" method="POST">
<b><u>Enter Airline Details</u></b><br><br>
<label>Airline Number:</label>
<input type="number" name="num"><br></b><br>
<label>Name:</label>
<input type="text" name="name"><br></b><br>
<label>Source:</label>
<input type="text" name="src"><br></b><br>
<label>Destination:</label><input type="text" name="dstn"><br></b><br>
<label>Date:</label><input type="date" name="date"><br></b><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</form>
</body>
</html>
```

Addl.php

```
<?php
$num=$_POST['num'];
$name=$_POST['name'];
$src=$_POST['src'];
$dstn=$_POST['dstn'];
```

```
$date=$_POST['date'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect\n";
}
else
{
echo "connected\n";
}
$sql="INSERT INTO airline028 VALUES($num,'$name','$src','$dstn','$date')";
if($con->query($sql))
{
echo "<BR>";
echo "New row added\n";
}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>
```

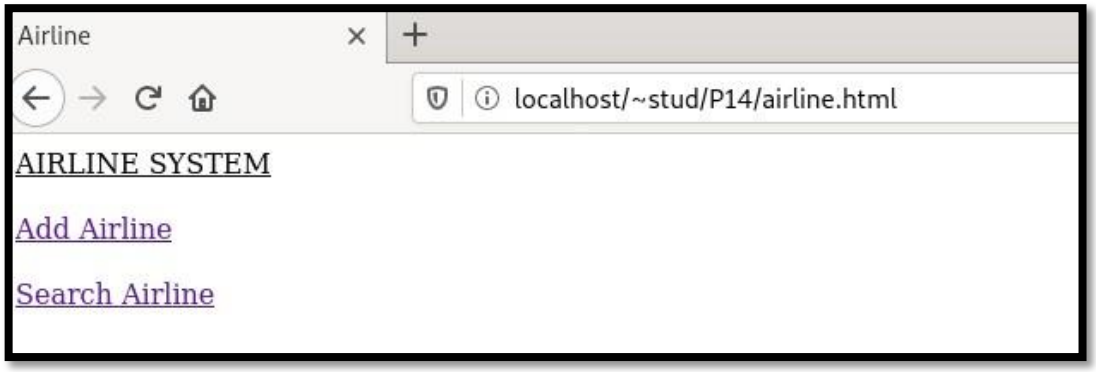
Search.html

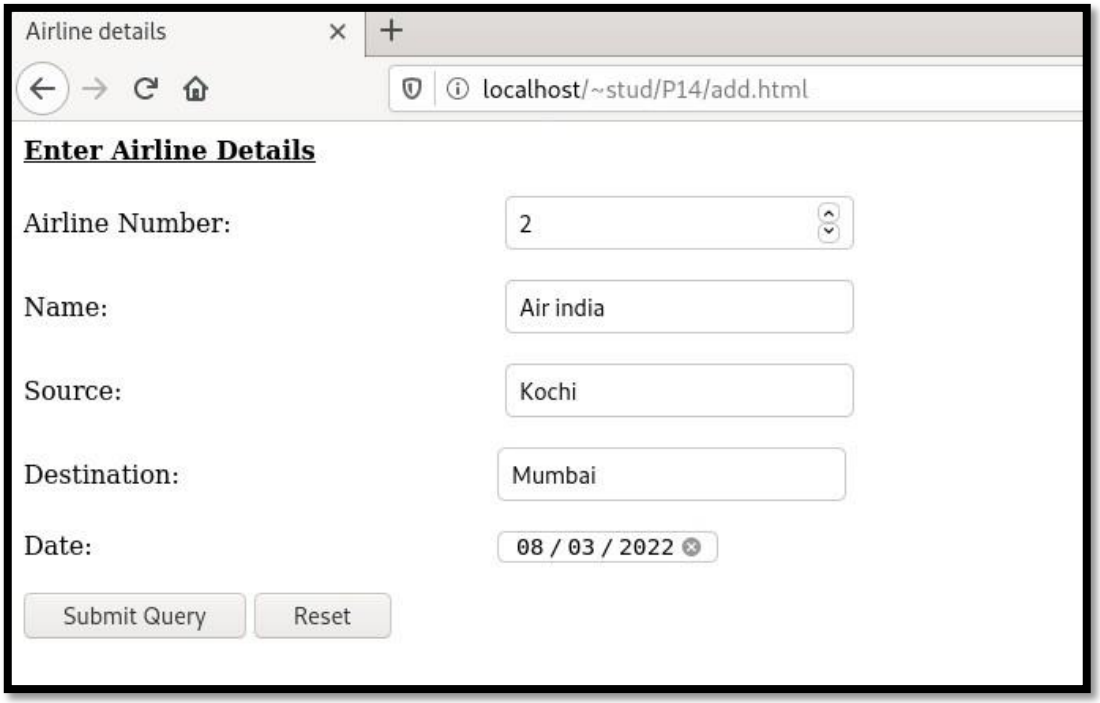
```
<html>
<head>
<title>search</title>
<style>
     label {
       display: inline-block;
       width: 300px;
     }
   </style>
</head>
<body>
<form name="frm2" action="searchl.php" method="POST">
<b><u>SEARCH AIRLINE</u></b><br><br>
<label>Enter Source:</label>
<input type="text" name="src"><br><br>
<label>Enter Destination:</label>
<input type="text" name="dstn"><br><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
```

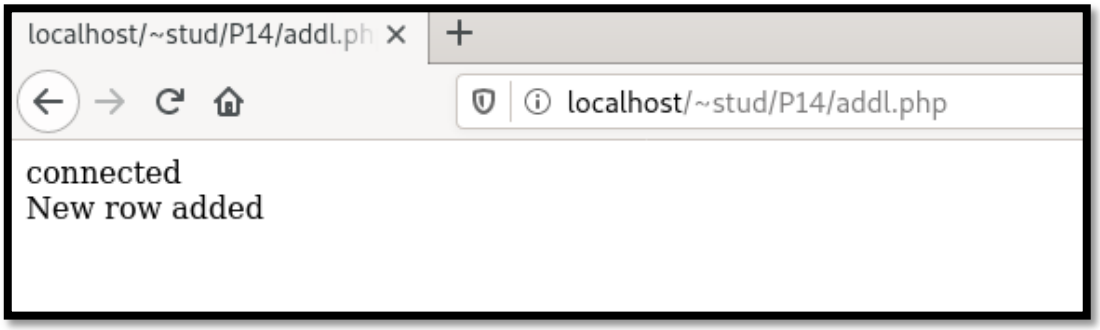
```
</html>

Searchl.php

<?php

$src=$_POST['src'];

$dstn=$_POST['dstn'];

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

if($con==false)

{

echo "Failed to connect";

}

else

{

echo "connected\n";

}

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

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

{

if($result->num_rows>0)

{

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

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

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

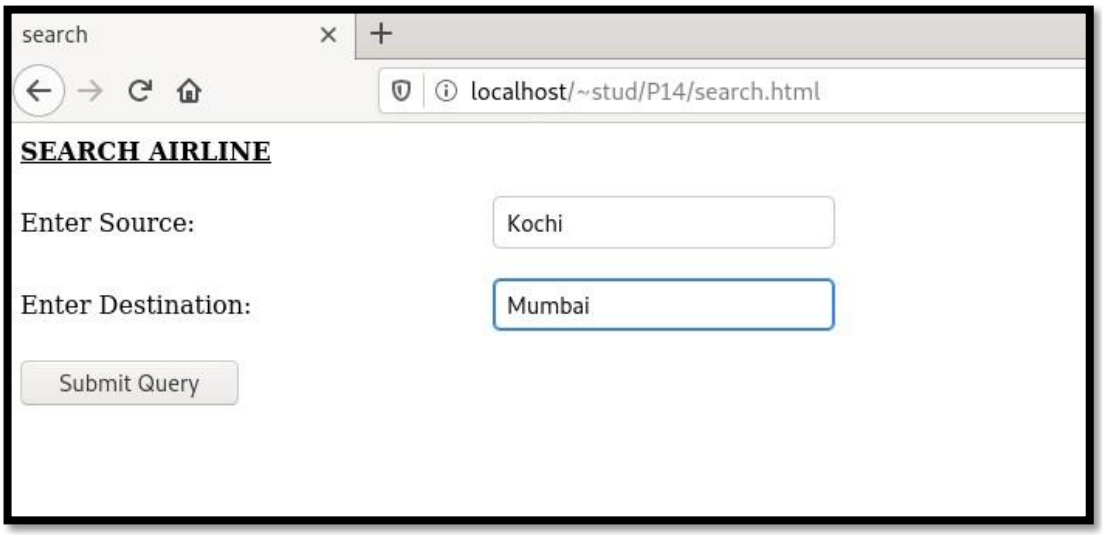
```
$result->close();

}

else

{

echo "\nCould not found the book";

}

}

else

{

echo "\nError:could not connect";

}

$con->close();

?>
```

Output




Airline details
localhost/~stud/P14/add.html
Enter Airline Details
Airline Number:
2
Name:
Air india
Source:
Kochi
Destination:
Mumbai
Date:
08 / 03 / 2022
Submit Query
Reset


localhost/~stud/P14/addl.ph
localhost/~stud/P14/addl.php
connected
New row added




```
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)
```