

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)TM

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577



FOCUS ON EXCELLENCE

20MCA133 WEB PROGRAMMING LAB RECORD

Name: CHRISTY P BABY

Branch: MASTER OF COMPUTER APPLICATIONS

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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)TM

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FOCUS ON EXCELLENCE

CERTIFICATE

This is to certify that this is a Bonafide record of the Practical work done by CHRISTY P BABY (FITMCA21-2049) 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**

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EXPERIMENT NO:1

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

PROGRAM CODE:

```
<html>

<head>

<title>My Native place</title>

<h1><center><u>My Native Place</u></center></h1>

<body bgcolor="cyan">

<blockquote>Hi all,today i am writing this note is about my native place.my native place is
peaceful,pollutionfree and beautiful.My native place is <b>kokkunnu</b> in Kerala. It is a village area as
well as a small town. Most of the people live there, either through agricultural income or through daily
wages work. 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.
During vacations, my cousins used to come down at our home and we all used to have lots of fun, by
playing around.

<p align="center">

<em>Since we have the well over there, the water that we had also was very pure and not contaminated.
My mother used to have a small cultivation area where she used to cultivate so many different kinds of
vegetables and fruits and we were having more of healthy and natural food, when compared to what we
get in cities</em>.And also we have paddy cultivation.the field is near to our house.many of my cousins
and relatives are doing farming.its a group work.so we all are happy and ready to do this.And paddy
cultivation is doing only our family members in that area.we have morethan 1 acre of paddy field
cultivation.not only paddy but also tapioca,banana,and other vegetables also.And we also have fish farming
and poultry farming also.</p>

</head>











</html>
```

OUTPUT



The screenshot shows a web browser window with the address bar displaying 'file:///home/ccf/Documents/q1web.html'. The page has a light blue background and features the title 'My Native Place' in a bold, black, serif font. Below the title, there are two paragraphs of text. The first paragraph describes the author's native place, kokkunnur in Kerala, as a peaceful, pollution-free village. The second paragraph describes the author's family's agricultural activities, including paddy cultivation and fish farming. At the bottom of the page, there is a row of six small images: a close-up of green rice plants, a narrow stream flowing through a field, a wide view of a paddy field with people working, a person in a white protective suit standing in a field, a large group of people gathered in a field, and a close-up of green rice plants.

Hi all, today i am writing this note is about my native place. my native place is peaceful, pollution free and beautiful. My native place is **kokkunnur** in Kerala. It is a village area as well as a small town. Most of the people live there, either through agricultural income or through daily wages work. 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. During vacations, my cousins used to come down at our home and we all used to have lots of fun, by playing around.

Since we have the well over there, the water that we had also was very pure and not contaminated. My mother used to have a small cultivation area where she used to cultivate so many different kinds of vegetables and fruits and we were having more of healthy and natural food, when compared to what we get in cities. And also we have paddy cultivation. the field is near to our house. many of my cousins and relatives are doing farming. its a group work. so we all are happy and ready to do this. And paddy cultivation is doing only our family members in that area. we have more than 1 acre of paddy field cultivation. not only paddy but also tapioca, banana, and other vegetables also. And we also have fish farming and poultry farming also.

EXPERIMENT NO: 2

AIM:

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

PROGRAM CODE:

```
<html>
<head>
<title>biodata</title>
<h1 color="red"><center><u>BIODATA</u></center></h1>

<body bgcolor="white">
<form>
<blockquote><u>Name:</u>&nbsp;&nbsp;&nbsp;Christy.P.Baby<br>
<br><u>Father's Name:</u>&nbsp;&nbsp;&nbsp;Baby P.V<br>
<br><u>Mother's Name:</u>&nbsp;&nbsp;&nbsp;Rosily Baby<br>
<br><u>Gender:</u>&nbsp;&nbsp;&nbsp;Female<br>
<br><u>Address:</u>&nbsp;&nbsp;&nbsp; Pallipparambil House
<blockquote><blockquote>Mookkannoor P O Kokkunnu</blockquote></blockquote>
<blockquote><blockquote>pin-683577</blockquote></blockquote><br>
<u>Mobile</u>:<u>0000000000<br>
<br><u>Qualification</u></br>
<table border=3px cellspacing=3px cellpadding=3px>
    <tr>
        <th>EDUCATION</th>
        <th>INSTITUTE</th>
        <th>YEAR OF PASSING</th>
```

```
</tr>
<tr>
    <td>BCA</td>
    <td>DiST</td>
    <td>2021</td>
</tr>
<td>PLUS TWO</td>
<td>St.Joseph's HSS</td>
<td>2018</td>
<tr>
    <td>SSLC</td>
    <td>St.Joseph's HSS</td>
    <td>2016</td>
</tr>
</table>
<br><u>Hobbies</u>
<blockquote><li>Singing</li>
<li>Dancing</li>
<li>Learning</li>
<li>Driving</li></blockquote>
<a href="q1web.html">here to see my native place
</head>
</html>
```


OUTPUT

BIODATA

Name: Christy.P.Baby

Father's Name: Baby P.V

Mother's Name: Rosily Baby

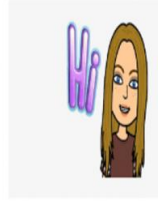
Gender: Female

Address: Pallipparambil House

Mookkannoor P O Kokkunnu

pin-683577

Mobile:0000000000



Qualification

EDUCATION	INSTITUTE	YEAR OF PASSING
BCA	DIST	2021
PLUS TWO	St.Joseph's HSS	2018
SSLC	St.Joseph's HSS	2016

Hobbies

- Singing
- Dancing
- Learning
- Driving

[here to see my notice place](#)

EXPERIMENT NO: 3

AIM:

Create
an application form for MCA course in FISAT.

PROGRAM CODE:

MCA APPLICATION FORM

```
<!DOCTYPE html>

<html><head>

<meta http-equiv="content-type" content="text/html; charset=windows-
1252"><title>mcaapplicationform</title>

<style type="text/css">

    label

    {

        width:150px;

        display:inline-block;

    }

    .mydiv {

        border: 20px outset red;

        background-color:red;

        text-align:center;

    }

    .mydivT {

        border: 20px outset cyan;

        background-color:cyan;

        text-align:center;

    }

    .mydivS {

        border: 10px outset black;
```

```
background-color:black;

text-align:center;

}

</style>

</head><body style="border:solid black 2px;"><center>MCA ADMISSION FORM</center>

<div class="mydiv">



<h1><font color="white"><center>Federal Institute Of Science And
Technology(FISAT)</font></center></h1>

</div>

<form>

    <br><label>NAME:</label>

    <input name="name" size="20" type="text"><br>

    <br><label>ADDRESS:</label>

    <input name="text" size="30" type="textarea"><br>

    <br><label>CITY:</label>

    <input name="text" size="20" type="text">

    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<label>STATE:</label>

    <input name="text" size="20" type="text"><br>

    <br><label>COUNTRY:</label>

    <input name="text" size="20" type="text">

    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<label>NATIONALITY:</label>

    <input name="text" size="20" type="text"><br>

    <br><label>PINCODE:</label>

    <input name="number" size="20" type="text"><br>

    <br><label>MOBILE:</label>

    <input name="number" size="20" type="text"><br>

    <br><label>EMAIL</label>

    <input name="emailid" size="20" type="email"><br>
```

[illegible]

[illegible]

```
<br><label>Whether the student studied mathematics in +2/Degree:</label>

<input name="ms" value="yes" type="radio">YES

<input name="ms" value="no" checked="checked" type="radio">NO<br>

<br><label>Graduation Course taken/Completed</label>

<input name="dg" value="Bcom" type="radio">Bcom

<input name="dg" value="BCA" type="radio">BCA

<input name="dg" value="other" type="radio">other<input name="" name size=20
type="text"><br>

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

<input name="name" size="20" type="text"><br>

<br><label>Semester upto result available:</label>

<input name="text" size="20" type="text"><br>

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

<input name="text" size="20" type="text"><br><br>

</form>

<div class="mydivS">

<h3><center><font color="black"></font></center></h3>

</div>

<form>

<br><center><b>SUBMIT THE APPLICATION FORM:</b></center><input type="Submit" name=submit
value="Submit">&nbsp;<input type="Reset" name=clear value="Reset">

</form>

</body></html>
```

OUTPUT

File | /home/stud/Documents/christy/web/appform.html?number=&number=&number=&ms=no&name=&text=&text=&submit=Submit

Apps Gmail YouTube Maps Reading list

MCA ADMISSION FORM

 **Federal Institute Of Science And Technology(FISAT)**

NAME:

ADDRESS:

CITY: STATE:

COUNTRY: NATIONALITY:

PINCODE:

MOBILE:

EMAIL:

DATE OF BIRTH:

GENDER: ☐ male ☒ female

RELIGION: COMMUNITY:

CATEGORY:

FATHER DETAILS

Father's Name:

Occupation:

Official Address:

Phone:

MOTHER DETAILS

Mother's Name:

Occupation:

Official Address:

Phone:

ANNUAL INCOME:

Academic Qualification

Enter the rank(if available):

Tenth%:

Plus Two%:

Whether the student studied mathematics in +2/Degree: ☐ YES ☒ NO

Graduation Course taken/Completed ☐ Bcom ☐ BCA ☐ other

Degree

Percentage(upto published semester):

Semester upto result available:

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

SUBMIT THE APPLICATION FORM:

EXPERIMENT NO:4

AIM:

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

PROGRAM CODE:

frames.html

```
<html>
<body>
<center><b>HTML and CSS</b></center>
<p>Welcome to the world of HTML and CSS
There are different types of frames are there.<br>
-->Floating frames<br>
-->Navigation Frames<br>
-->Mixed Frames<br>
click here to see the difference<br></p>
<center><a href="frame.html" target="two">navigation frame</a><br> <a href="Floatingframe.html"
target="two">floating frame</a><br>
<a href="Mixedframe.html" target="two">mixed frame</a><br></center> </body>
</html>
```

frame.html

```
<html>
<frameset cols="50%,50%">
<frame name="one" src="pic.html"></frame>
<frame src="x.jpeg"></frame>
</frameset>
</html>
```

floatingframe.html

```
<html>
```



```
<body>
<iframe src="y.jpeg" height="250" width="200">
</iframe>
<iframe src="gallery.html" height="50%" width="50%"> </iframe>
</body>
</html>
mixedframe.html
<html>
<frameset cols="50%,*">
<frame src="pic.html"></frame>
<frameset rows="50%,*">
<frame src="video.html" autostart="true">
<frame src="gallery.html" >
</frameset>
</frameset>
</html>
pic.html
<html>
<body>
<b>LOVE YOURSELF AND BE UNIQUE
<br>1. Love what you are learning to do
<br>2. Hard work matters
<br>3. Don't let fear of failure put you off
<br>4. Find your "thing" – like Stephen Hawking
<br>5. Today's studying plants the seeds for tomorrow's exam success <br>6. Stay consistent in your
studying
<br>7. Make each day a little better than before
<br>8. It's the little things that matter
<br>9. Go get it!
```

```
<br>10.Recipe for success: Study while others are sleeping;
```

```
</body>
```

```
</html>
```

video.html

```
<html>
```

```
<body bgcolor="red">
```

```

```

```
</embed>
```

```
</body>
```

```
</html>
```

gallery.html

```
<html>
```

```
<b>10 Quotes To Get You Started
```

```
#10 "One day, all your hard work will pay off."
```

```
<br>
```

```
#9 "The earlier you start working on something, the earlier you will see results." <br>
```

```
#8 "Life is short. Live it. Fear is natural. Face it. Memory is powerful. Use it." <br>
```

```
#7 "Do what is right, not what is easy."
```

```
<br>
```

```
#6 "We generate fears while we do nothing. We overcome these fears by taking action." <br>
```

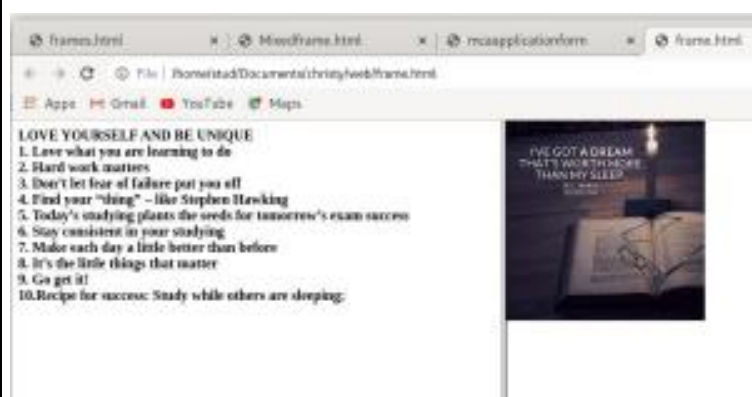
```
#5 "If we wait until we're ready, we'll be waiting for the rest of our lives." <br>
```

```
#4 "It's never too late to be what you might have been."
```

```
<br>
```

```
#3 "You don't have to be great to start. But you have to start to be great." <b> </html>
```

OUTPUT:



EXPERIMENT NO:5

AIM:

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

PROGRAM CODE:

Inline css

```
<html>
<head>
<body>
<h1 style="color:blue;text-align:center;">This is inline css</h1> </body>
<p style="color:cyan;text-align: center;"><b>welcome to cascading style sheet</b></p>
</head>
</html>
```

internal CSS

```
<!DOCTYPE html>
<html>
<head>
<style>
body
{
background: color: blueviolet;
size: 50px;
}
h1
{
text-align: center;
color: red;
margin-top: 80px;
```

```
}  
</style>  
<body>  
<h1>This is inline CSS</h1>  
<p>Welcome to the CSS world  
What is 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</p>  
</body>  
</html>
```

-External CSS

```
<!DOCTYPE html>  
<html>  
<head>  
<h1>This is external css</h1>  
<link rel="stylesheet" type="text/css" href="exter.css">  
</head>  
<body>
```

What is HTML?

HTML is the language for describing the structure of Web pages. HTML gives

authors the means to:

Publish online documents with headings, text, tables, lists, photos, etc. Retrieve online information via hypertext links, at the click of a button.

Design forms for conducting transactions with remote services, for use in searching for information, making reservations, ordering products, etc.

Include spread-sheets, video clips, sound clips, and other applications directly in their documents.

With HTML, authors describe the structure of pages using markup. The elements of the language label pieces of content such as "paragraph," "list," "table," and so on.

What is XHTML?

XHTML is a variant of HTML that uses the syntax of XML, the Extensible Markup Language. XHTML has all the same elements (for paragraphs, etc.) as the HTML variant, but the syntax is slightly different. Because XHTML is an XML application, you can use other XML tools with it (such as XSLT, a language for transforming XML content).

What is CSS?

CSS is the language for describing the presentation of Web pages, including colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. CSS is independent of HTML and can be used with any XML-based markup language. The separation of HTML from CSS makes it easier to maintain sites, share style sheets across pages, and tailor pages to different environments. This is referred to as the separation of structure (or: content) from presentation.

What is WebFonts?

WebFonts is a technology that enables people to use fonts on demand over the Web without requiring installation in the operating system. W3C has experience in downloadable fonts through HTML, CSS2, and SVG. Until recently, downloadable fonts have not been common on the Web due to the lack of an interoperable font format. The WebFonts effort plans to address that through the creation of an industry-supported, open font format for the Web (called "WOFF").

```
</body>
```

```
</html>
```

```
body
```

```
{
```

```
background: color: blueviolet;
```

```
size: 150px;
```

```
}
```

```
h1
```

```
{
```

```
text-align: center;
```

```
color: navy;
```

```
margin-top: 80px;
```

```
}
```

OUTPUT:



EXPERIMENT NO:6

AIM

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

PROGRAM CODE

```
<html>
<head>
<h1><center>MCA APPLICATION FORM</center></h1>
<script>
function validateform()
{
var x = document.forms["form"]["name"].value;
if(x == "")
{
alert("Name must be filled out");
return false;
}
var y = document.forms["form"]["text"].value;
if(y == "")
{
alert("address must be filled out")
return false;
}
var z = document.forms["form"]["number"].value;
if(z == "")
{
alert("number must be filled out")
return false;
```



```
}  
}  
</script>  
<body>  
<form name="form" action="/action_page_post.php"  
onsubmit="return validateform()" method="post">  
<center>  
<br><label>Name:&nbsp;</label>  
<input name="name" size="20" type="text"><br>  
<br><label>Address:</label>  
<input name="text" size="20" type="text"><br>  
<br><label>Mobile:&nbsp;</label>  
<input name="number" size="20" type="text">  
<br><br><center><b>SUBMIT THE APPLICATION FORM:</center><input type="Submit" name=submit  
value="Submit">&nbsp;<input type="Reset" name=clear value="Reset"></center>  
</form>  
</body>  
</html>
```

OUTPUT:

The screenshot shows a web browser window with the address bar displaying `/home/stud/anupamaraju/web/javas.html`. The browser's address bar includes navigation icons (back, forward, refresh) and a search icon. Below the address bar, there are links for 'Apps', 'Gmail', 'YouTube', and 'Maps'. The main content area of the browser shows a form titled 'Application Form' in blue text. The form is partially obscured by a modal dialog box that says 'This page says name must be filled out' with an 'OK' button. The form fields are as follows:

- Name:
- Address:
- Phone no:
- Email:
- Date of Birth: (with a calendar icon)
- Gender: ☒ Female ☐ Male
- Submit:
- Reset:

EXPERIMENT NO: 7

AIM:

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

(String Functions- Length,slice, substring,substr,replace,toUppercase,toLowercase,concat,trim,charAt,convert string to array,indexof, search,includes)

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

PROGARM CODE:

```
<!DOCTYPE html>

<html>

<body>

<h1><center>MATH FUNCTIONS</h1>

<h2>JavaScript Math.round()</h2>

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

<p id="mathfun"></p>

<script>

document.getElementById("mathfun").innerHTML = Math.round(7.6);

</script>

<h2>JavaScript Math.ceil()</h2>

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

<p id="mathfun1"></p>

<script>

document.getElementById("mathfun1").innerHTML = Math.ceil(9.4);

</script>

<h2>JavaScript Math.floor()</h2>

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

<p id="mathfun2"></p>
```

```
<script>
document.getElementById("mathfun2").innerHTML = Math.floor(3.7);
</script>
<h2>JavaScript Math.trunc()</h2>
<p>Math.trunc(x) returns the integer part of x:</p>
<p id="mathfun3"></p>
<script>
document.getElementById("mathfun3").innerHTML = Math.trunc(5.7);
</script>
<h2>JavaScript Math.sign()</h2>
<p>Math.sign(x) returns if x is negative, null or positive:</p>
<p id="mathfun4"></p>
<script>
document.getElementById("mathfun4").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:</p>
<p id="mathfun5"></p>
<script>
document.getElementById("mathfun5").innerHTML = Math.pow(4,2);
</script>
<h2>JavaScript Math.sqrt()</h2>
<p>Math.sqrt(x) returns the square root of x:</p>
<p id="mathfun6"></p>
<script>
document.getElementById("mathfun6").innerHTML = Math.sqrt(49);
</script>
<h2>JavaScript Math.abs()</h2>
```

```
<p>Math.abs(x) returns the absolute (positive) value of x:</p>
<p id="mathfun7"></p>
<script>
document.getElementById("mathfun7").innerHTML = Math.abs(-9.8);
</script>
<h2>JavaScript Math.sin()</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="mathfun8"></p>
<script>
document.getElementById("mathfun8").innerHTML =
"The sin value of 90 degrees is " + Math.sin(90 * Math.PI / 180);
</script>
<h2>JavaScript Math.cos()</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="mathfun9"></p>
<script>
document.getElementById("mathfun9").innerHTML =
"The cosine value of 0 degrees is " + Math.cos(0 * Math.PI / 180);
</script>
<h2>JavaScript Math.min()</h2>
<p>Math.min() returns the lowest value in a list of arguments:</p>
<p id="mathfun10"></p>
<script>
document.getElementById("mathfun10").innerHTML =
Math.min(0, 650, 70, 10, -84, -8);
</script>
```

```
<h2>JavaScript Math.max()</h2>
```

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

```
<p id="mathfun11"></p>
```

```
<script>
```

```
document.getElementById("mathfun11").innerHTML =
```

```
Math.max(0, 350, 30, 20, -8, -200);
```

```
</script>
```

```
<h2>JavaScript Math.random()</h2>
```

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

```
<p id="mathfun12"></p>
```

```
<script>
```

```
document.getElementById("mathfun12").innerHTML = Math.random();
```

```
</script>
```

```
<h2>JavaScript Math.log()</h2>
```

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

```
<p id="mathfun13"></p>
```

```
<script>
```

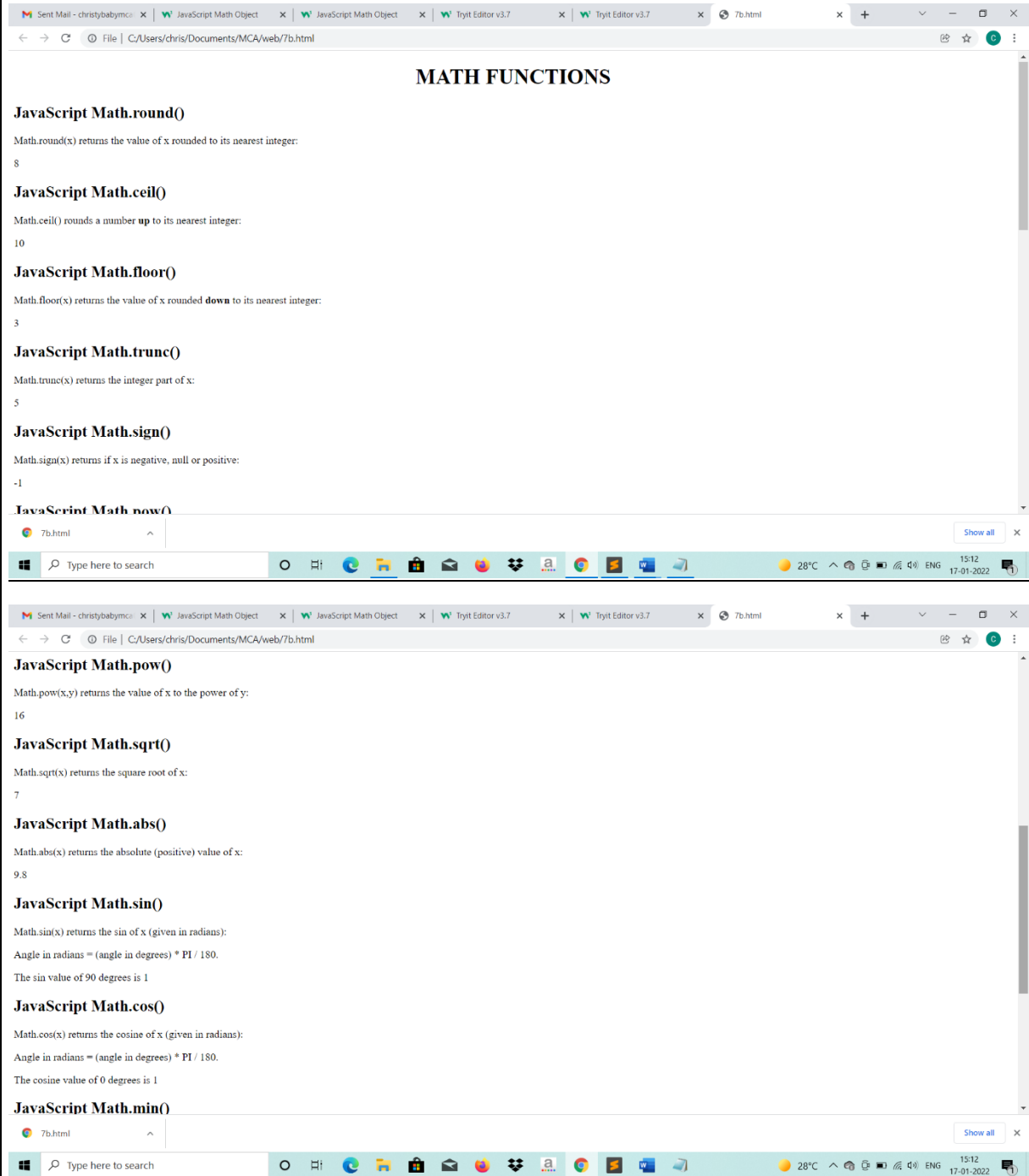
```
document.getElementById("mathfun13").innerHTML = Math.log(1);
```

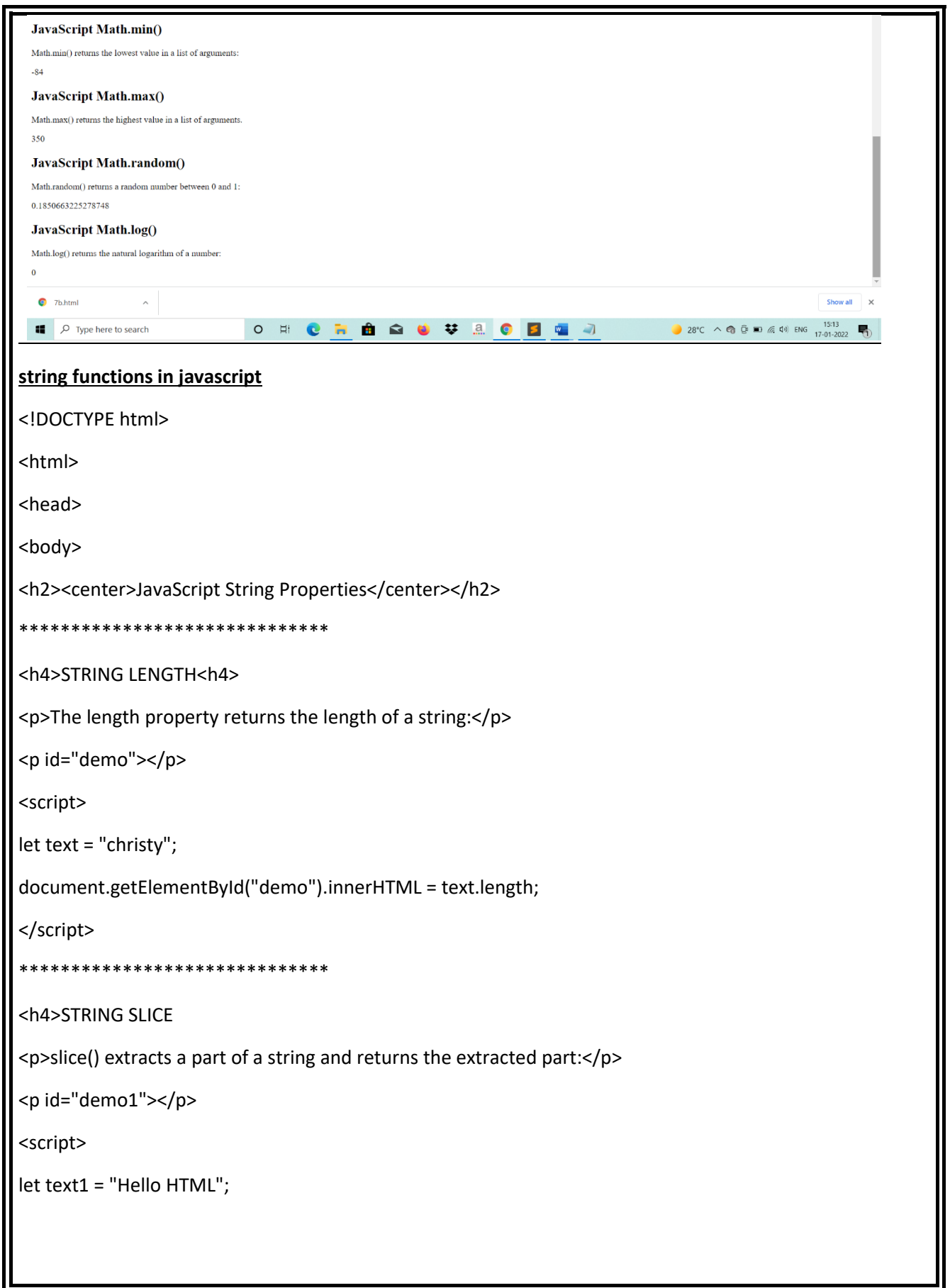
```
</script>
```

```
</body>
```

```
</html>
```

OUTPUT






```
let result = text1.slice(0, 5);

document.getElementById("demo1").innerHTML = result;

</script>

*****

<h4>STRING SUBSTRING</h4>

<p>substring() extracts a part of a string:</p>

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

<script>

let text2 = "Hello HTML";

let result2 = text2.substring(1, 4);

document.getElementById("demo2").innerHTML = result2;

</script>

*****

<h4>STRING SUBSTR

<p>substr() extracts a part of a string:</p>

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

<script>

let text3 = "Hello HTML";

let result3 = text3.substr(6, 9);

document.getElementById("demo3").innerHTML = result3;

</script>

*****

<h4>STRING REPLACE

<p>replace() searches a string for a value,

and returns a new string with the specified value(s) replaced:</p>

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

<script>
```

```
let text4 = document.getElementById("demo4").innerHTML;
document.getElementById("demo4").innerHTML = text4.replace("HTML", "JAVASCRIPT");
</script>
*****

<h4>STRING UPPERCASE
<p>toUpperCase() converts a string to uppercase letters:</p>
<p id="demo5"></p>
<script>
let text5 = "Hello html";
let result5 = text5.toUpperCase();
document.getElementById("demo5").innerHTML = result5;
</script>
*****

<h4>STRING LOWERCASE
<p>toLowerCase() converts a string to lowercase letters:</p>
<p id="demo6"></p>
<script>
let text6 = "Hello World!";
let result6 = text6.toLowerCase();
document.getElementById("demo6").innerHTML = result6;
</script>
*****

<h4>STRING CONCAT
<p>The concat() method joins two or more strings.</p>
<p>Join "html and" and "javascript":</p>
<p id="demo7"></p>
<script>
let text111 = "html ";
```

```
let text222 = "javascript";
let result7 = text111.concat(text222);
document.getElementById("demo7").innerHTML = result7;
</script>
*****

<h4>STRING trim
<p>trim() removes whitespace from both sides of a string:</p>
<p id="demo8"></p>
<script>
let text8 = "    Hello    HTML!    ";
let result8 = text8.trim();
document.getElementById("demo8").innerHTML = result8;
</script>
*****

<h4>STRING CharAT
<p>charAt() returns the character at a specified position in a string.</p>
<p>Get the first character in a string:</p>
<p id="demo9"></p>
<script>
let text9 = "HELLO HTML";
let letter9 = text9.charAt(8);
document.getElementById("demo9").innerHTML = letter9;
</script>
*****

<h4>CONVERT STRING TO ARRAY
<p>split() splits a string into an array of substrings, and returns the array:</p>
<p id="demo10"></p>
<script>
```

```
let text10 = "How was your studies";
const myArray10 = text10.split(" ");
document.getElementById("demo10").innerHTML = myArray10;
</script>
*****

<h4> STRING INDEXOF
<p>indexOf() returns the position of the first occurrence of a specified value in a string.</p>
<p>Find "christy":</p>
<p id="demo11"></p>
<script>
let text11 = "Hello christy, welcome to the universe.";
let result11 = text11.indexOf("christy");
document.getElementById("demo11").innerHTML = result11;
</script>
*****

<h4>STRING SEARCH
<p>search() searches a string for a value and returns the position of the match:</p>
<p id="demo12"></p>
<script>
let text12 = "i have a car"
let position12 = text12.search("car");
document.getElementById("demo12").innerHTML = position12;
</script>
*****

<h4> STRING INCLUDES
<p>includes() returns true if a string contains a specified string.</p>
<p>Find "world":</p>
<p id="demo13"></p>
```

```
<script>

let text13 = "Hello CHRISTY, welcome to the universe.";

let result13 = text13.includes("CHRISTY");

document.getElementById("demo13").innerHTML = result13;

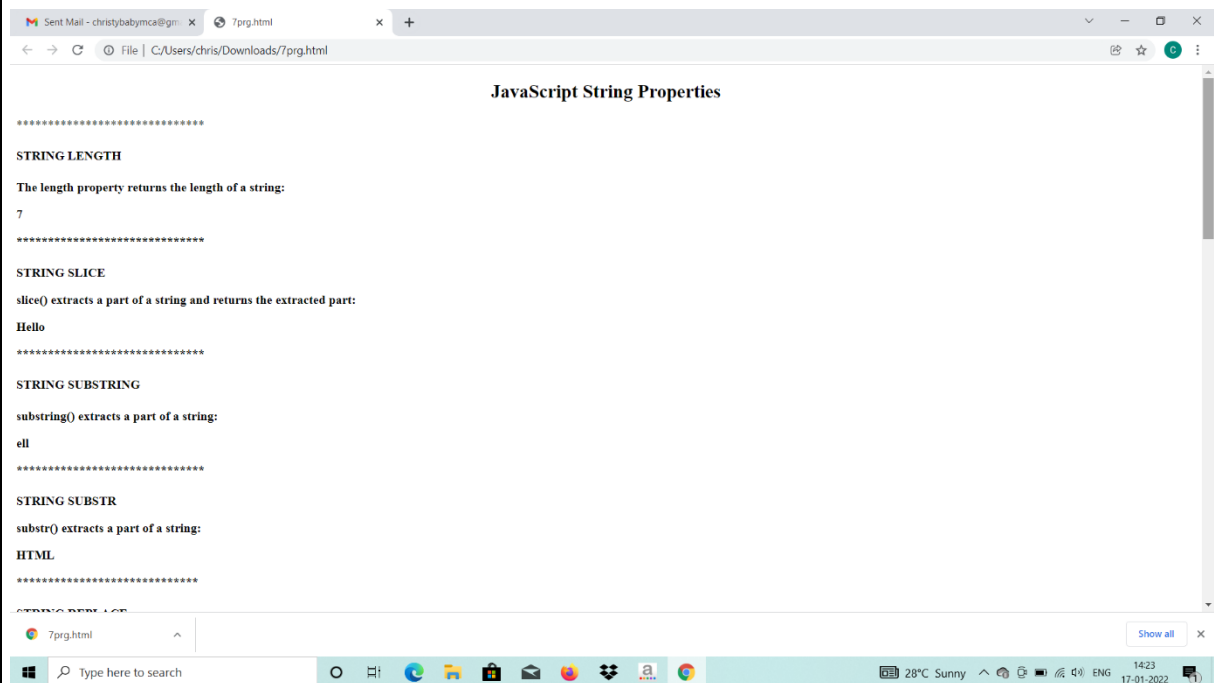
</script>

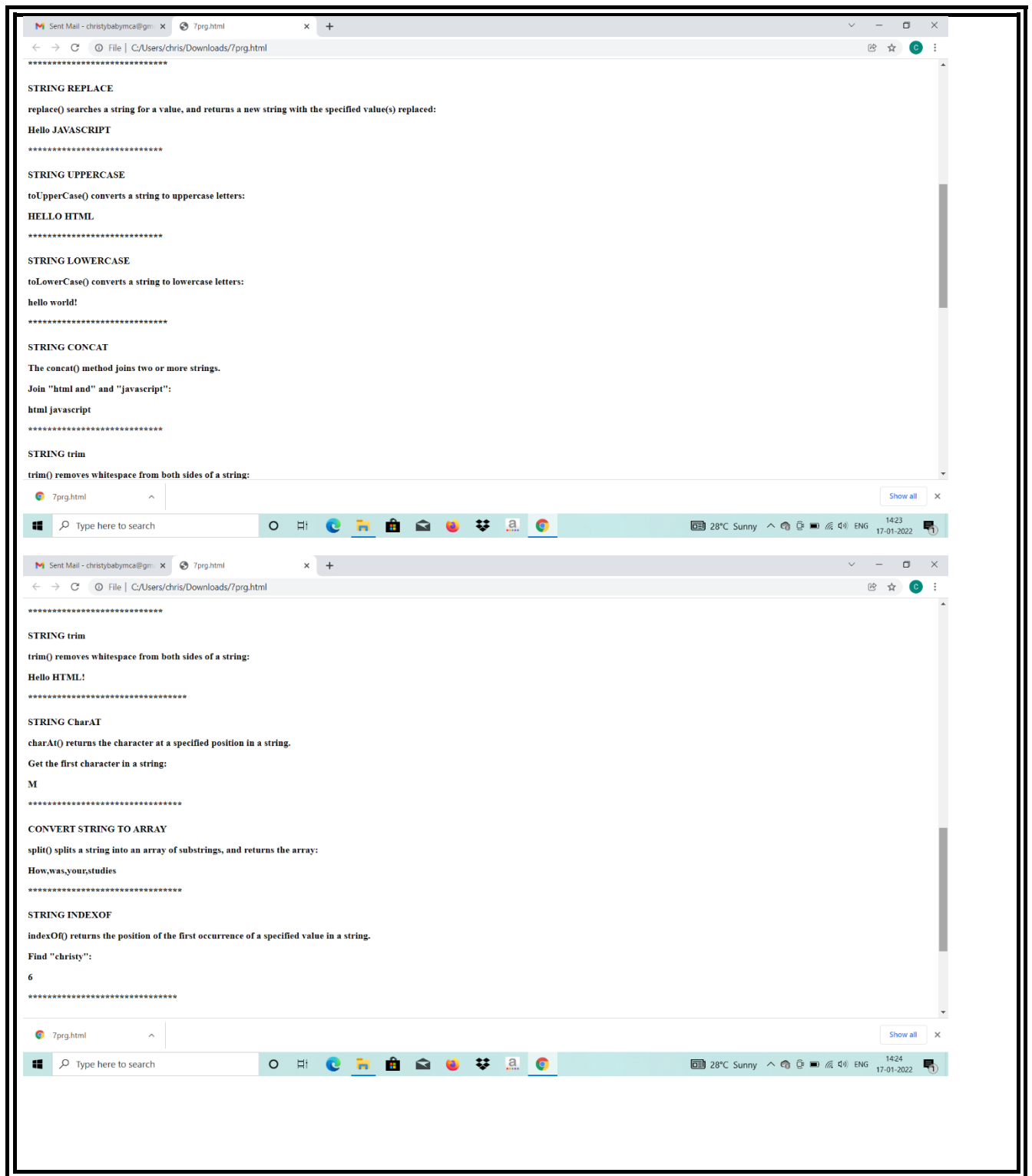
*****

</body>

</html>
```

OUTPUT





6

STRING SEARCH
search() searches a string for a value and returns the position of the match:
9

STRING INCLUDES
includes() returns true if a string contains a specified string.
Find "world":
true

7prg.html

Show all X

14:24

EXPERIMENT NO: 8

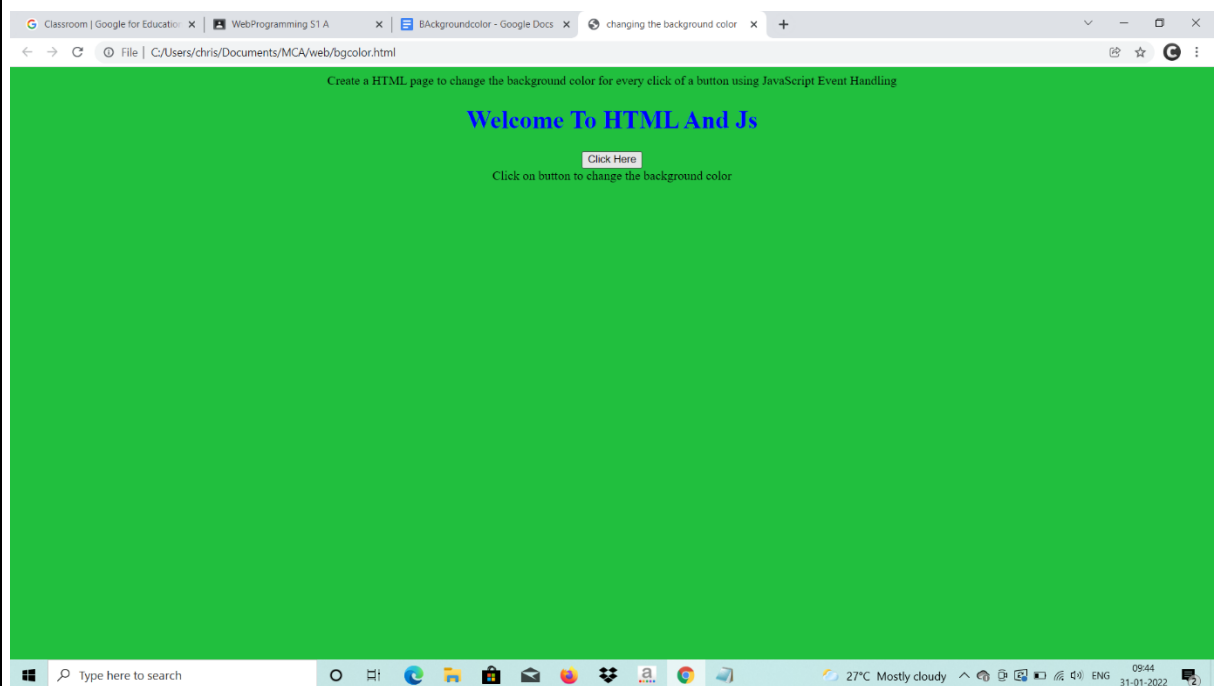
AIM: Create a HTML page to change the background color for every click of a button using JavaScript Event Handling

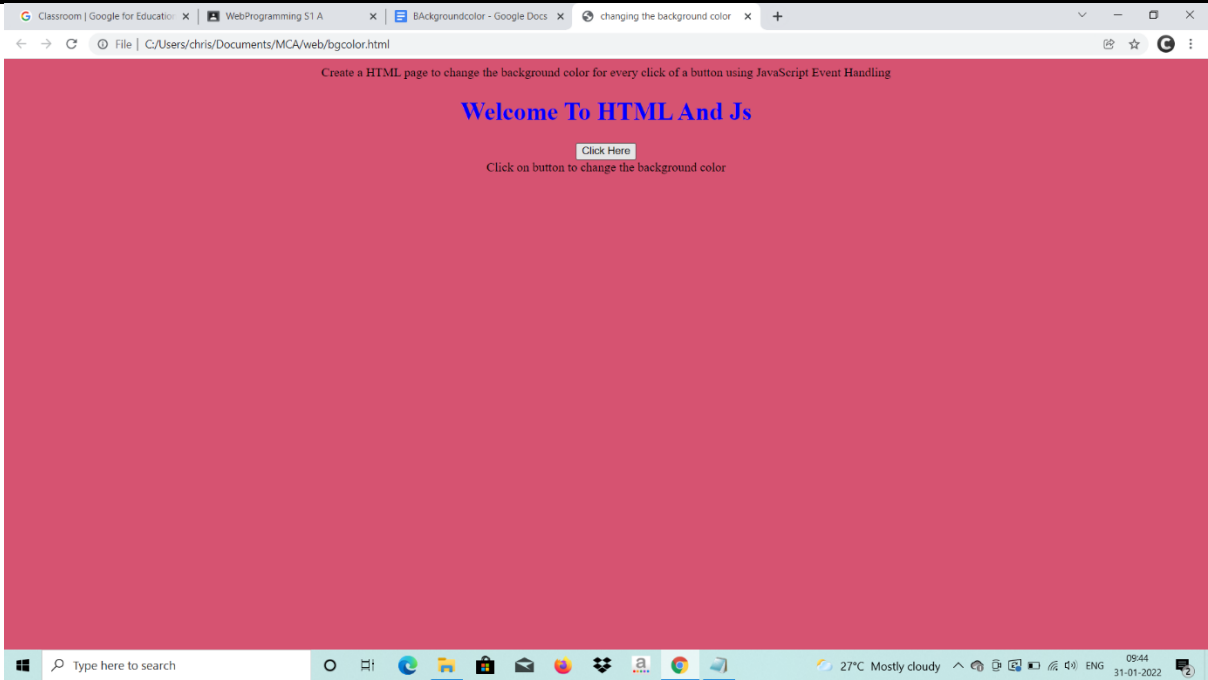
PROGRAM CODE:

```
<!DOCTYPE HTML>  
<html>  
  <head>  
    <title>  
      changing the background color  
    </title>  
  </head>  
  <body style = "text-align:center;">  
    <h1 style = "color:blue;" >  
      Welcome To HTML And Js  
    </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 = '&#39;#&#39;+(Math.random()*0xFFFFFF&lt;&lt;0).toString(16);
pageBody.style.background = color;
}
&lt;/script&gt;
&lt;/body&gt;
&lt;/html&gt;
```

OUTPUT:





EXPERIMENT NO: 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 :

Enter The Month:

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	*	*	*	*

EXPERIMENT NO: 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:

Consumer Id:

Electricity consumed:

Electricity Bill

Name:anu

Consumer Id:1232546

Electricity Consumed: 50

.....
Amount: 500

EXPERIMENT NO: 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:

```
<?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 NO: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 and Rohit Sharma.

INDIAN CRICKETERS

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

EXPERIMENT NO:13

AIM:

Using PHP and MySQL, develop a program to accept book information viz. Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.

PROGRAM CODE;

```
<html>
```

```
<head>
```

```
<title>Bookinfo</title>
```

```
<body align="center">
```

```
<u><center>BOOK INFORMATION SYSTEM</center></u><br>
```

```
<a href="addl.html"><center>Add Book</a><br>
```

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

```
</body>
```

```
</html>
```

```
*****

<html>
<head>
<title>addl book</title>
</head>
<body>
<form name="form1" action=addl.php method="POST">
<center><u><b>BOOK DETAILS</b></u></center>
Access Number:<input type="text" name="num"><br>
Title:<input type="text" name="tit"><br>
Edition:<input type="text" name="edi"><br>
Author:<input type="text" name="aut"><br>
Publisher:<input type="text" name="pub"><br>
<input type="submit" name="submit"><br>
<input type="reset" name="reset"><br>
</form>
<body>
<html>
*****

<?php
$num=$_POST['num'];
$tit=$_POST['tit'];
$author=$_POST['aut'];
$edi=$_POST['edi'];
$pub=$_POST['pub'];
$con=new
mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
```

```
{
echo "Failed to connect";
}
else
{
echo "connected";
}
$sql="INSERT INTO criz VALUES($num,'$tit','$author','$sedi','$pub)";
if($con->query($sql))
{
echo "<BR>";
echo "New row added";
}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>
*****

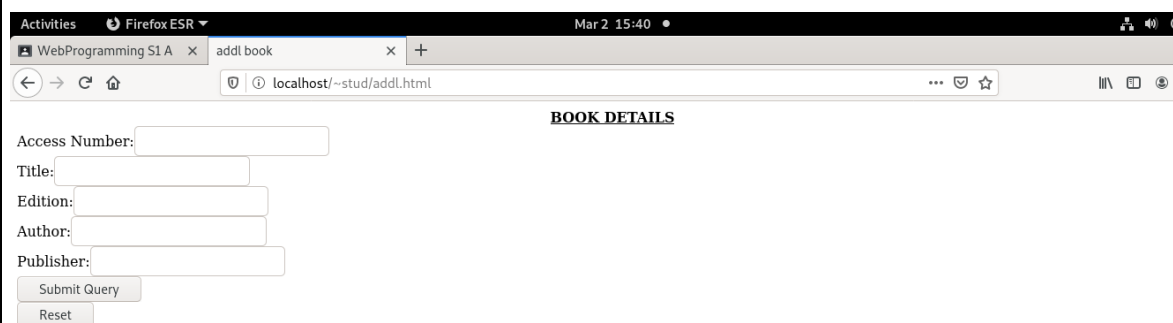
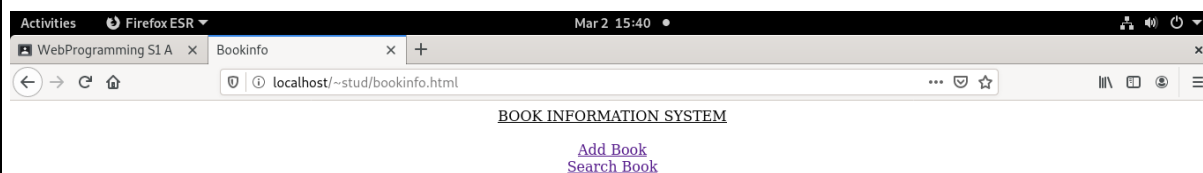
<html>
<head>
<title>search</title>
</head>
<body>
<form name="frm2" action="searchl.php"
method="POST">
<center>
```

```
<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>
```

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



BOOK DETAILS

Access Number: 4
 Title: MFC
 Edition: 12er
 Author: john venn
 Publisher: lib

Submit Query
 Reset

addl.php

connected
 New row added

SEARCH A BOOK

Enter book title: MFC

Submit Query

search.php

connected 4:MFC;john venn:12er:lib

```

stud@debian: ~
1 row in set (0.000 sec)

MariaDB [fisatdb]> select * from addb13;
+-----+-----+-----+-----+-----+
| accessnumber | title | edition | author | publisher |
+-----+-----+-----+-----+-----+
| 1 | abc | hello | 367 | edu |
| 2 | hi | 2er4 | web | web |
+-----+-----+-----+-----+-----+
2 rows in set (0.000 sec)

MariaDB [fisatdb]> select * from addb13;
+-----+-----+-----+-----+-----+
| accessnumber | title | edition | author | publisher |
+-----+-----+-----+-----+-----+
| 1 | abc | hello | 367 | edu |
| 2 | hi | 2er4 | web | web |
| 3 | ert | dfg | erf | wds |
| 4 | MFC | john venn | 12er | lib |
| 5 | df | ui | er | tr |
+-----+-----+-----+-----+-----+
5 rows in set (0.000 sec)

MariaDB [fisatdb]>
    
```

EXPERIMENT NO 14

AIM:

PROGRAM CODE:

Airline.html

```
<html>
```

```
<head>
```

```
<title>Airline</title>
```

```
</head>
```

```
<body align="center"><u>AIRLINE INFO 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>Day:</label><input type="text" name="day"><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";
}
$sql="INSERT INTO airline49 VALUES($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>
```

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";
```

```
}
```

```
$sql="select * from airline49 where Source='$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

```

stud@debian: ~
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 32
Server version: 10.5.11-MariaDB-1 Debian 11

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

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

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

Database changed
MariaDB [fisatdb]> select * from airline49;
+-----+-----+-----+-----+-----+
| airline_number | name   | day   | source | destination |
+-----+-----+-----+-----+-----+
|          10    | airindia | monday | kochi  | delhi        |
|          12    | indigo  | tuesday | delhi  | banglore     |
+-----+-----+-----+-----+-----+
2 rows in set (0.000 sec)

```

Activities Firefox ESR Mar 4 11:19

Airline x +

localhost/~stud/AIRINFO.html

AIRLINE INFO SYSTEM

[Add AIRLINE](#)

[Search AIRLINE](#)

Activities Firefox ESR Mar 4 11:20

localhost/~stud/addair.php x +

localhost/~stud/addair.php

connected

New row added

