FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT) TM

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577



20MCA133 WEB PROGRAMMING LAB LABORATORY RECORD

Name: DHANIK DINTO

Branch: MASTER OF COMPUTER APPLICATIONS

Semester: 1 Batch: A Roll No: 52

University Registration Number: FIT21MCA-2052

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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 **DHANIK DINTO** (FIT21MCA-2052) in the 20MCA133 WEB PROGRAMMING LAB Laboratory towards the partial fulfilment for the award of the Master Of Computer Applications during the academic year 2021-2022.

Signature of Staff in Charge	Signature of H O D
Name:	Name:
Date of University practical examina	ntion
Signature of	Signature of
Internal Examiner	External Examiner

SI No:	Date :	Name of Experiment:	Page No:	Signature of Staff –In – Charge:
1	01/11/2021	Create a simple html file to demonstrate the use of different tags.	1	
2	01/11/2021	Create your bio data by using the html tags for hyperlinks, images, table, frame and fonts. Make it attractive by using the various color elements. The design should contain a minimum of 3 hyperlinks	3	
3	08/11/2021	Create an application form for MCA course in FISAT.	5	
4	22/11/2021	Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.	12	
5	22/11/2021	Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.	15	
6	13/12/2021	Create a HTML registration form and to validate the form using JavaScript code.	17	
7	03/01/2022	Create a HTML page to explain the use of various predefined functions in a string and math objects in JavaScript.	25	
8	03/01/2022	Create a HTML page to change the background color for every click of a button using JavaScript Event Handling.	40	
9	03/01/2022	Generate the calendar using JavaScript code by getting the year and month from the user.	42	
10	10/01/2022	Compose Electricity bill from user input based on a given tariff using PHP.	45	

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.	48	
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.	49	
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	51	
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.	57	

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

Source code

- <html>
- <head>
- <title>ERNAKULAM</title>
- </head>
- <body bgcolor="black" text="white">
- <hr><center><h1>ERNAKULAM</h1></center></hr>

-
-
- <small><h3>Ernakulam is the central portion of the city of Kochi in Kerala, India and has

lent its name to the Ernakulam district. Many major establishments, including the Kerala

High Court, the office of the Kochi Municipal Corporation are situated here. Ernakulam,

which is where a huge part of the commercial activity in Kochi city happen, is known as the

commercial capital of Kerala. The Ernakulam Junction is a major railway station of the

Indian Railways, and the busiest railway station in Kochi city, the 2nd busiest in Thiruvananthapuram railway division and the 5th busiest in Southern Railways. Initially, Ernakulam was the headquarters of the Ernakulam District but was later shifted to

Kakkanad, an eastern region in Kochi. Ernakulam was once the capital of the Kingdom of

Cochin. It is located 220 kilometres (137 mi) north - west of the state capital Thiruvananthapuram. The city has served as an incubator for many Malayali entrepreneurs and is a major financial and commercial hub of Kerala. The Kochi Metro's

first phase runs through Ernakulam region as well. The second phase aims to connect the

CBD with the IT hub of Kakkanad.

The state government and the GCDA have had plans in the past to include Angamaly, Perumbavoor, Piravom and Kolenchery in the Ernakulam district; Mala and Kodungallur in

the Thrissur district; Thalayolaparambu and Vaikom in Kottayam; and Cherthala in the

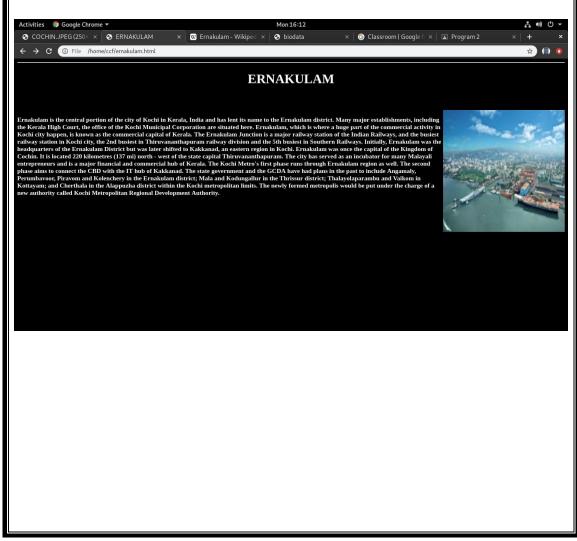
Alappuzha district within the Kochi metropolitan limits. The newly formed metropolis would

be put under the charge of a new authority called Kochi Metropolitan Regional Development Authority.</h3>

</body>

</html>

Output



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

Source code

```
Biodata.html
```

<html>

<head>

<title>biodata</title>

</head>

<body bgcolor="black" text="white">

<hr><center><h1>BIODATA</h1></center></hr>

<h3>Name: DHANIK DINTO</h3>

<h3>Father's Name: DINTO GEORGE</h3>

<h3>D.O.B: 14/08/2000</H3> <h3>Address: padinjare kakkanattil(H)

kattemala,kanayannoor
br> chottanikkara p.o
br>

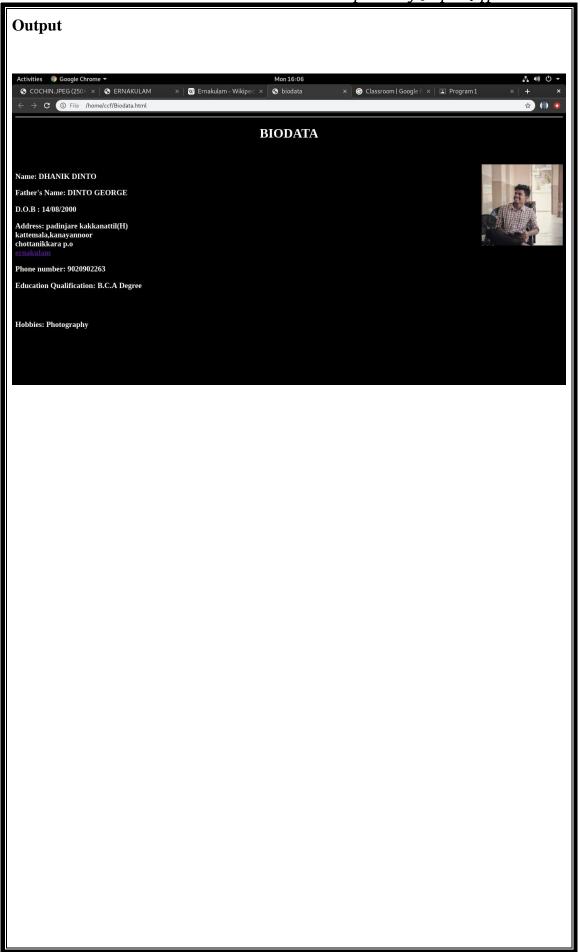
ernakulam</h3>

<h3>Phone number: 9020902263</h3>

<h3>Education Qualification: B.C.A Degree</h5>

<h3>Hobbies: Photography</h3>

</body> </html>



Experiment No.: 3 Aim: Create an application form for MCA course in FISAT. Source code <html> <head> <title>Application for admission to Master of Computer Applications </title> <style> label{ display: inline-block; float: left; clear: left; width: 250px; text-align: left; /*Change to right here if you want it close to the inputs*/ } input { display: inline-block; float: left; } .myDiv { background-color: #BE0D02; font-size: large; font-family: sans-serif; .herDiv { background-color: ##fff3c9; font-size: large; font-family: sans-serif; </style> </head> <body bgcolor=#f5f5f5> <div class="myDiv"> <center> </center>
>
</div>


```
<div class="herDiv">
<center><h2>REGISTER FORM</center></h2>
<center><h4>MCA</center></h4>
<body font="Times new roman" color="black" bgcolor="white">
<h1 align="center">MCA APPLICATION FORM</h1>
<hr align="center" width="50%"></br></br></br></br>
<form>
<center>
<b>Basic Details</b>
Name
<input type="text" maxlength="100" size="30" required>
Address
<textarea size=80 rows="5" cols="29"></textarea>
Contact Number
<input type="text" maxlength="100" size="30" required>
Email
<input type="email" maxlength="100" size="30" required>
Date of Birth
```

```
<input type="date">
Gender
Male
<input type="radio"><br>
Female
<input type="radio"><br>
Others
<input type="radio"><br>
Prefer not to say
<input type="radio"><br>
Nationality
<input type="text" maxlength="100" size="30" required>
Religion
<select name="religion" size="1" required>
<option disabled selected value> -- select an option -- </option>
<option value="Hindu">Hindu</option>
<option value="Christian">Christian</option>
<option value="Muslim">Muslim</option>
<option value="Others">Others</option>
</select>
Father's Name
<input type="text" maxlength="100" size="30" required>
```

```
Father's Occupation
<input type="text" maxlength="100" size="30" required>
Work Address
<textarea size=80 rows="5" cols="29"></textarea>
Father's Contact Number
<input type="text" maxlength="100" size="30" required>
Mother's Name
<input type="text" maxlength="100" size="30" required>
Mother's Occupation
<input type="text" maxlength="100" size="30" required>
Work Address
<textarea size=80 rows="5" cols="29"></textarea>
Mother's Contact Number
="100" size="30" required>
Annual Income
<input type="text" maxlength="100" size="30" required>
<b>Academic Qualification</b>
```

```
Entrance Rank (if available)
<input type="text" maxlength="100" size="30" required>
10th %
<input type="text" maxlength="100" size="30" required>
12th %
<input type="text" maxlength="100" size="30" required>
Graduated in
<select name="religion" size="1" required>
<option disabled selected value> -- select an option -- </option>
<option value="BCA">BCA</option>
<option value="BTech">BTech</option>
<option value="BSc Computer Science">BSc Computer
Science</option>
<option value="Others">Others</option>
</select>
Degree Percentage (upto published semester)
<input type="text" maxlength="100" size="30" required>
</br></br>
<input type="submit" name="send" value="Send">
```

<td :<="" align="center" td=""><td>></td><td></td><td></td></td>	<td>></td> <td></td> <td></td>	>		
<input name="clear" type="reset</td><td>t" value="Cle</td><td>ar"/>				
Output				
	An 150 9001:2015 Certified Institution Federal Institute of Scie	ence And Technology (FISAT) [®] Accredited by NAAC with 'A' Grade		
	MCA	ОКМ		
	MCA APPLICAT	ION FORM		
	-			
	Basic Detai	1-		
	Name			
	Address			
	Basic Detai	Is		
	Address			
	Contact Number			
	Email			
	Date of Birth	dd / mm / yyyy		
	Gender	Male Female Others Prefer not to say		
	Nationality			
	Religion	select an option 🗸		
	Father's Name			
	Father's Occupation			
	Work Address			
	Father's Contact Number			
1				

Department of Computer Applications Father's Contact Number Mother's Name Mother's Occupation Work Address Mother's Contact Number Annual Income **Academic Qualification** Entrance Rank (if available) 10th % 12th % Graduated in -- select an option -- 💙 Degree Percentage (upto published semester) Send Clear

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

Source code

Floating frame:

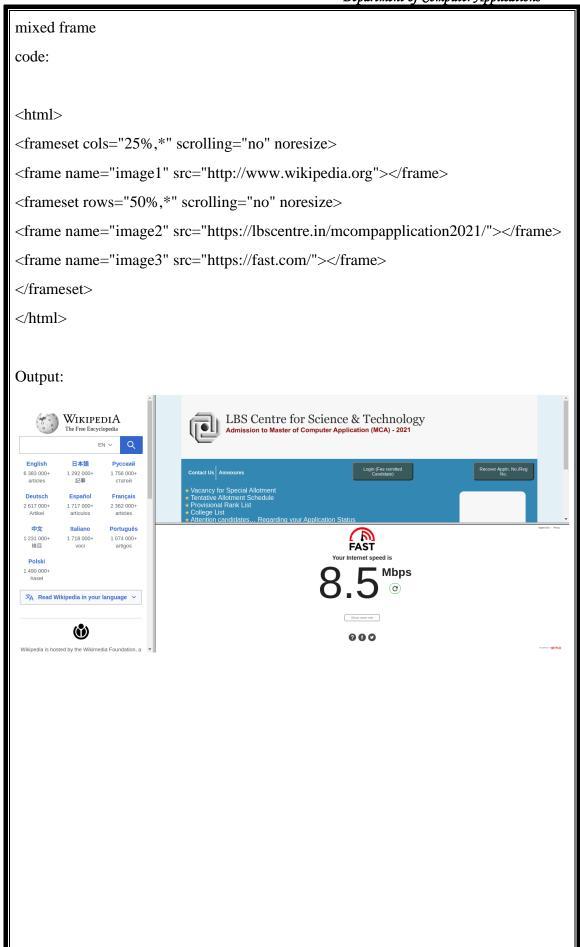
code:

- <!DOCTYPE html>
- <html>
- <head>
- <title>floating</title>
- </head>
- <body>
- <iframe src="http://www.wikipedia.com" width="800" height="600">
- </iframe>
- </body>
- </html>

Output:







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

Source code

```
<html>
<head>
<title>css</title>
<style>.....internal css
body {background-color: powderblue;}
</style>
</head>
<body>
k rel="stylesheet" href="s.css">.....external css
<h1 style="color:blue;">A Blue Heading</h1>.....inline css
<h1>HELLO</h1>
 how'r u 
<h2>HELLO</h2>
how'r u
</body>
</html>
s.css.....css file
h1{color:red}
h2{color:green}
p {
color: black;
font-family: serif;
font-size: 160%;
```

Department of Computer Applications

Output
A Blue Heading
HELLO
how'r u
HELLO
how'r u

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

```
Source code
<html>
<head>
<title>Application for admission to Master of Computer Applications </title>
<style>
label{
display: inline-block;
float: left;
clear: left;
width: 250px;
text-align: left; /*Change to right here if you want it close to the inputs*/
input {
display: inline-block;
float: left;
.myDiv {
 background-color: #BE0D02;
 font-size: large;
 font-family: sans-serif;
.herDiv {
 background-color: ##fff3c9;
 font-size: large;
 font-family: sans-serif;
```

```
</style>
<script>
function validateForm() {
var x = document.forms["myForm"]["fname"].value;
if (x == "") {
alert("Name must be filled out");
return false;
var y = document.forms["myForm"]["address"].value;
if (y == "") {
alert("Address must be filled out");
return false;
var z = document.forms["myForm"]["cno"].value;
var\ phoneno = /^{+}([0-9]{2}))?[-.]?([0-9]{4})[-.]?([0-9]{4})$/;
if((z.match(phoneno))
return true;
else
if (z == "") {
alert("number must be filled out");
return false;
var l = document.forms["myForm"]["email"].value;
var forma = /^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/;
if(l.match(forma))
       return true;
```

```
else
if (l == "") {
alert("email must be filled out");
return false;
else
alert("you have entered invalid email address");
return false;
var k = document.forms["myForm"]["dob"].value;
if (k == "") {
alert("D.O.B must be filled out");
return false;
</script>
       </head>
<body bgcolor=#f5f5f5>
<div class="myDiv">
<center>
<img src="federal.png" width=150 alt=image>
<img src="logo_main.png" width=600 alt=image>
</center>
<br/>br>
<br>>
</div>
<br>>
<div class="herDiv">
```

```
<center><h2>REGISTER FORM</center></h2>
<center><h2>MCA</center></h2>
<body font="Times new roman" color="black" bgcolor="white">
<hr align="center" width="50%"></br>
<form name="myForm" action="/action_page_post.php"</pre>
onsubmit="return validateForm()" method="post">
<center>
<bs/>b>Basic Details</b>
Name
<input type="text" id="fname" maxlength="100" size="30" >
Address
<textarea size=80 id="address" rows="5" cols="29"></textarea>
Contact Number
<input type="text" id="cno" maxlength="100" size="30" >
Email
<input type="email" id="email" maxlength="100" size="30" >
Date of Birth
<input type="date" id="dob">
```

```
Gender
Male
<input type="radio"><br>
Female
<input type="radio"><br>
Others
<input type="radio"><br>
Prefer not to say
<input type="radio"><br>
Nationality
<input type="text" maxlength="100" size="30" >
Religion
<select name="religion" size="1" >
     <option disabled selected value> -- select an option -- </option>
                  <option value="Hindu">Hindu</option>
                  <option value="Christian">Christian</option>
                  <option value="Muslim">Muslim</option>
                  <option value="Others">Others</option>
           </select>
Father's Name
<input type="text" maxlength="100" size="30" >
```

```
Father's Occupation
<input type="text" maxlength="100" size="30" >
Work Address
<textarea size=80 rows="5" cols="29"></textarea>
Father's Contact Number
<input type="text" maxlength="100" size="30" >
Mother's Name
<input type="text" maxlength="100" size="30" >
Mother's Occupation
<input type="text" maxlength="100" size="30" >
Work Address
<textarea size=80 rows="5" cols="29"></textarea>
Mother's Contact Number
<input type="text" maxlength="100" size="30" >
Annual Income
<input type="text" maxlength="100" size="30" >
<b>Academic Qualification</b>
```

```
Entrance Rank (if available)
<input type="text" maxlength="100" size="30" >
10th %
<input type="text" maxlength="100" size="30" >
12th %
<input type="text" maxlength="100" size="30" >
Graduated in
<select name="religion" size="1" >
     <option disabled selected value> -- select an option -- </option>
                <option value="BCA">BCA</option>
                <option value="BTech">BTech</option>
                <option value="BSc Computer Science">BSc Computer
Science</option>
                <option value="Others">Others</option>
          </select>
Degree Percentage (upto published semester)
<input type="text" maxlength="100" size="30" >
</br></br>
<input type="submit" value="Send">
```



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 to Uppercase, to Lowercase, 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)

Source code

```
<html>
<head><title>program 7</title>
<body bgcolor="white">
The length property returns the length of a string:
<h2>JavaScript String Length</h2>
<h2>JavaScript String slice()</h2>
<script>
let text = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";
document.getElementById("length").innerHTML = text.length;
let str = "Apple, Banana, Kiwi ,Jackfruit";
document.getElementById("demo").innerHTML = str.slice(7,17);
</script>
<h2>JavaScript String substring()</h2>
```

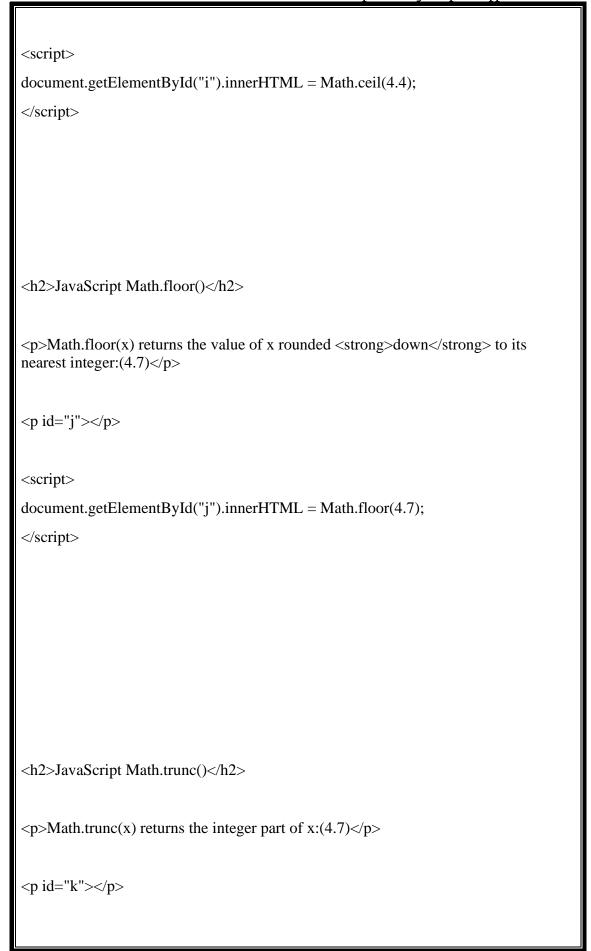
```
<script>
let sbr = "thomas,alva,edison";
document.getElementById("sub").innerHTML = sbr.substring(7,11);
</script>
<h2>JavaScript String substr()</h2>
<script>
let pkr = "jack,mock,dark,peek";
document.getElementById("de").innerHTML = pkr.substr(7,6);
</script>
<h2>Convert string to upper case</h2>
<button onclick="capt()">click to big</button>
hello world!
<script>
function capt() {
let cap = document.getElementById("big").innerHTML;
 document.getElementById("big").innerHTML =
 cap.toUpperCase();
</script>
<h2>Convert string to lower case:</h2>
<button onclick="small()">make it small</button>
```

```
HELLO WORLD
<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>
<script>
let t1 = "Hello";
let t2 = "World!";
let t3 = t1.concat("",t2);
document.getElementById("con").innerHTML = t3;
</script>
<h2>The trim() Method</h2>
<script>
let txt1 = " Hello World ";
let txt2 = txt1.trim();
```

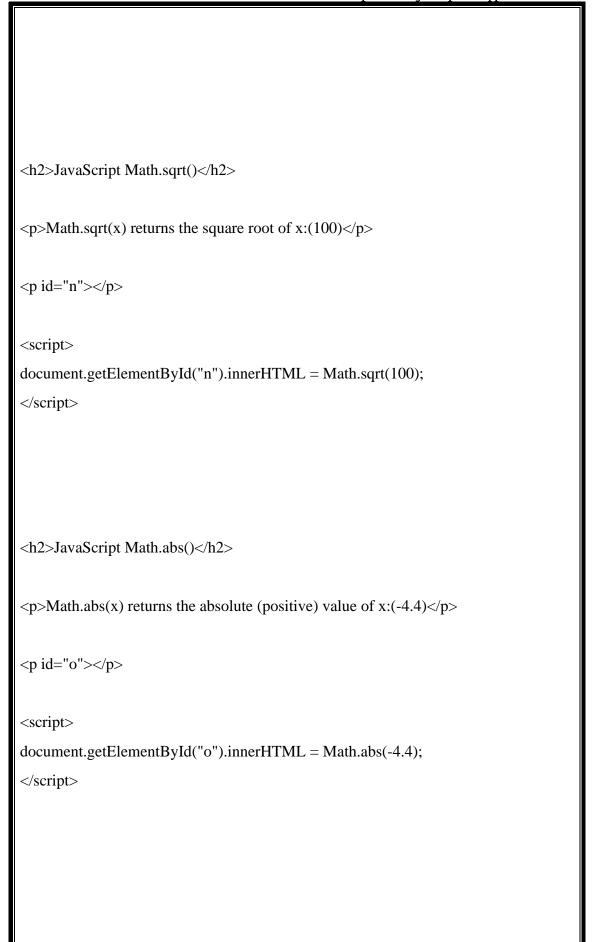
```
document.getElementById("a").innerHTML =
"Length txt1=" + txt1.length + "<br>Length2 txt2=" + txt2.length;
</script>
<h2>The charAt() method returns the character at a given position in a string:</h2>
<script>
var tt = "HELLO WORLD";
document.getElementById("b").innerHTML = tt.charAt(0);
</script>
<h2>JavaScript string to array, Methods</h2>
Display the first array element, after a string split:
<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>
indexOf() returns the position of the first occurrence of a specified value in a
string.
 for eg:Find "welcome":
```

```
<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>
search() searches a string for a value and returns the position of the match:
Mr. Blue has a blue house
<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>
includes() returns true if an array contains a specified element:
```

```
"Cat", "Orange", "Apple", "Mango", "Book"
Check mango
<script>
const things = ["Cat", "Orange", "Apple", "Mango", "Book"];
document.getElementById("g").innerHTML = things.includes("Mango");
</script>
<h2>JavaScript Math.round()</h2>
Math.round(x) returns the value of x rounded to its nearest integer:(4.6)
<script>
document.getElementById("h").innerHTML = Math.round(4.6);
</script>
<h2>JavaScript Math.ceil()</h2>
Math.ceil() rounds a number <strong>up</strong> to its nearest integer:(4.4)
```



```
<script>
document.getElementById("k").innerHTML = Math.trunc(4.7);
</script>
<h2>JavaScript Math.sign()</h2>
Math.sign(x) returns if x is negative, null or positive:(4)
<script>
document.getElementById("1").innerHTML = Math.sign(4);
</script>
<h2>JavaScript Math.pow()</h2>
Math.pow(x,y) returns the value of x to the power of y:(4.2)
<script>
document.getElementById("m").innerHTML = Math.pow(4,2);
</script>
```



```
<h2>JavaScript Math.<strong>sin</strong>()</h2>
Math.sin(x) returns the sin of x (given in radians):
Angle in radians = (angle in degrees) * PI / 180.
<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>
Math.cos(x) returns the cosine of x (given in radians):
 Angle in radians = (angle in degrees) * PI / 180. 
<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>
Math.min() returns the lowest value in a list of arguments(0, 150, 30, 20, -8, -
200):
<script>
document.getElementById("r").innerHTML =
Math.min(0, 150, 30, 20, -8, -200);
</script>
Math.max() returns the highest value in a list of arguments.(0, 150, 30, 20, -8, -
200)
<script>
document.getElementById("s").innerHTML =
Math.max(0, 150, 30, 20, -8, -200);
</script>
<h2>JavaScript Math.random()</h2>
```

```
Math.random() returns a random number between 0 and 1:
Tip: Click on "refresh on your s/m or reload the page" several times.
<script>
document.getElementById("u").innerHTML = Math.random();
</script>
<h2>JavaScript Math.log()</h2>
Math.log() returns the natural logarithm of a number:-0
<script>
document.getElementById("v").innerHTML = Math.log(1);
</script>
Math.log() returns the natural logarithm of a number:-1
<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()	
alva	
JavaScript String substr()	
ck,dar	
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	
The concat() method joins two or more strings	
Hello World!	
The trim() Method	
Length txt1=21 Length2 txt2=11	
Length2 txt2=11 The charAt() method returns the character at a given position in a string:	
H	
JavaScript string to array, Methods	
Display the first array element, after a string split:	
a	
The indexOf() Method	
indexOf() returns the position of the first occurrence of a specified value in a string.	
for eg:Find "welcome": 13	
The search() Method	
search() searches a string for a value and returns the position of the match:	
Mr. Blue has a blue house	

The search() Method search() searches a string for a value and returns the position of the match: Mr. Blue has a blue house The includes() Method includes() returns true if an array contains a specified element: "Cat", "Orange", "Apple", "Mango", "Book" Check mango JavaScript Math.round() Math.round(x) returns the value of x rounded to its nearest integer:(4.6) JavaScript Math.ceil() Math.ceil() rounds a number ${\bf up}$ to its nearest integer:(4.4) JavaScript Math.floor() Math.floor(x) returns the value of x rounded \mathbf{down} to its nearest integer:(4.7) JavaScript Math.trunc() Math.trunc(x) returns the integer part of x:(4.7) JavaScript Math.sign() Math.sign(x) returns if x is negative, null or positive:(4) JavaScript Math.pow() Math.pow(x,y) returns the value of x to the power of y:(4.2)JavaScript Math.sqrt() Math.sqrt(x) returns the square root of x:(100) JavaScript Math.sin() 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 JavaScript Math.cos() 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 JavaScript Math.min() JavaScript Math.max() Math.min() returns the lowest value in a list of arguments(0, 150, 30, 20, -8, -200): Math.max() returns the highest value in a list of arguments.(0, 150, 30, 20, -8, -200)

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JavaScript Math.random()
Math.random() returns a random number between 0 and 1:
0.8060272925351117
Tip: Click on "refresh on your s/m or reload the page" several times.
JavaScript Math.log()
Math.log() returns the natural logarithm of a number:-0
0
Math.log() returns the natural logarithm of a number:-1
0.6931471805599453

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

```
Source code
<!DOCTYPE HTML>
<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/>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);</pre>
pageBody.style.background = color;
</script>
</body>
</html>
```

Output		omputer y zpproducest
Q	create a HTML page to change the background color for every click of a button using JavaScript Event Handling Weltcome	
	Click Here Click on button to change the background color	

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

```
Source code
<html>
<head><title>Calendar</title>
<style>
h1{
text-align:center;
body{
background-color: white;
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>
<h1>CALENDAR</h1><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
='MONTUEWEDTHUFRI<
/th>SATSUN<t;
for (let i = 0; i < getDay(d); i++) {
table += '*':
while (d.getMonth() == mon) {
table += '' + d.getDate() + '';
if (getDay(d) \% 7 == 6)  {
table += '';
d.setDate(d.getDate() + 1);
if (getDay(d) != 0) {
```

```
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for \ (let \ i = getDay(d); \ i < 7; \ i++) \ \{
table += '*';
table += '';
elem.innerHTML = table;
createCalendar(calendar, year, month);
</script>
</body>
</html>
Output
 CALENDAR
Enter The year : 2022
Enter The Month: 1
```

MO	TU	WE	TH	FR	SA	SU
					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 No.:10 Aim: Compose Electricity bill from user input based on a given tariff using PHP. Source code <!DOCTYPE html> <head> <title>PHP - Calculate Electricity Bill</title> </head> <?php \$result_str = \$result = "; if (isset(\$_POST['unit-submit'])) { \$units = \$_POST['units']; if (!empty(\$units)) { \$result = calculate_bill(\$units); \$result_str = 'Amount to be paid '.' - '. \$result; } /** * To calculate electricity bill as per unit cost function calculate_bill(\$units) { $unit_cost_first = 3.50;$ $\quad \text{$unit_cost_second} = 4.00;$ $\quad \text{$unit_cost_third} = 5.20;$ $\quad \text{sunit_cost_fourth} = 6.50;$ if(\$units <= 50) { \$bill = \$units * \$unit_cost_first; else if(\$units > 50 && \$units <= 100) { \$temp = 50 * \$unit_cost_first; \$remaining_units = \$units - 50;

```
$bill = $temp + ($remaining_units * $unit_cost_second);
  }
  else if($units > 100 && $units <= 200) {
     \text{stemp} = (50 * 3.5) + (100 * \text{sunit\_cost\_second});
     $remaining_units = $units - 150;
     $bill = $temp + ($remaining_units * $unit_cost_third);
  }
  else {
     \text{stemp} = (50 * 3.5) + (100 * \text{sunit\_cost\_second}) + (100 * \text{sunit\_cost\_third});
     $remaining_units = $units - 250;
     $bill = $temp + ($remaining_units * $unit_cost_fourth);
  }
  return number_format((float)$bill, 2, '.', ");
?>
<body>
       <div id="page-wrap">
               <h1>Calculate Electricity Bill</h1>
               <form action="" method="post" id="quiz-form">
              Date_of_billing: <input type="date" name="date_bill"><br>
ConsumerName: <input type="text" name="cname"><br>
Consumer_Number: <input type="number" name="cnum"><br>
Units used
               <input type="number" name="units" id="units" placeholder="Please
enter no. of Units" />
               <input type="submit" name="unit-submit" id="unit-submit"</pre>
value="Submit" />
               </form>
```

<div></div>
php echo '<br / ' . \$result_str; ?>
Output
Output
Calculate Electricity Bill
Date_of_billing: 05/01/2022 ®
ConsumerName: dhanik
Consumer_Number: 24442
Units used 7 Submit
Amount to be paid - 28.00

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.

```
Source code
```

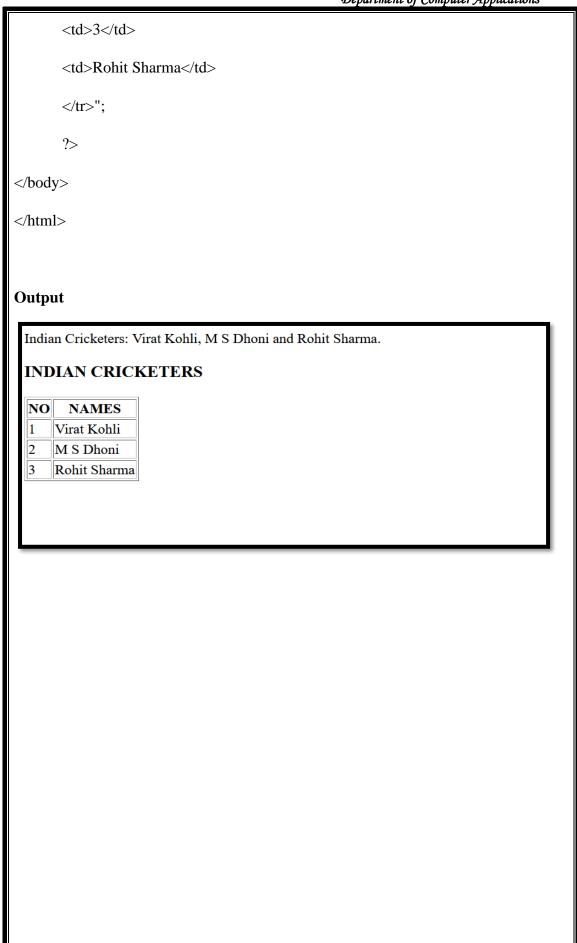
```
<?php
$stud=array("Sourav","Abhiram","Goutham");
echo "List of Students";
print_r($stud);
echo "<br/>echo "Sorted list:";
echo "<br/>stud);
print_r($stud);
print_r($stud);
echo "<br/>echo "<br/>;
asort($stud);
print_r($stud);
print_r($stud);
echo "<br/>sort($stud);
print_r($stud);
print_r($stud);
print_r($stud);
print_r($stud);
```

Output

```
List of StudentsArray ( [0] => Sourav [1] => Abhiram [2] => Goutham )
Reverse list:
Array ( [0] => Sourav [2] => Goutham [1] => Abhiram )
Sorted list:
Array ( [1] => Abhiram [2] => Goutham [0] => Sourav )
```

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

```
Source code
<!DOCTYPE html>
<html>
<body>
<?php
$Indcricketers= array("Virat Kohli", "M S Dhoni", "Rohit Sharma");
echo "Indian Cricketers: " . $Indcricketers[0] . ", " . $Indcricketers[1] .
" and " .$Indcricketers[2] . ".";
echo "<h3>INDIAN CRICKETERS</h3>
     <th>NO</th>
     NAMES
      1 
     Virat Kohli
     2
     M S Dhoni
```



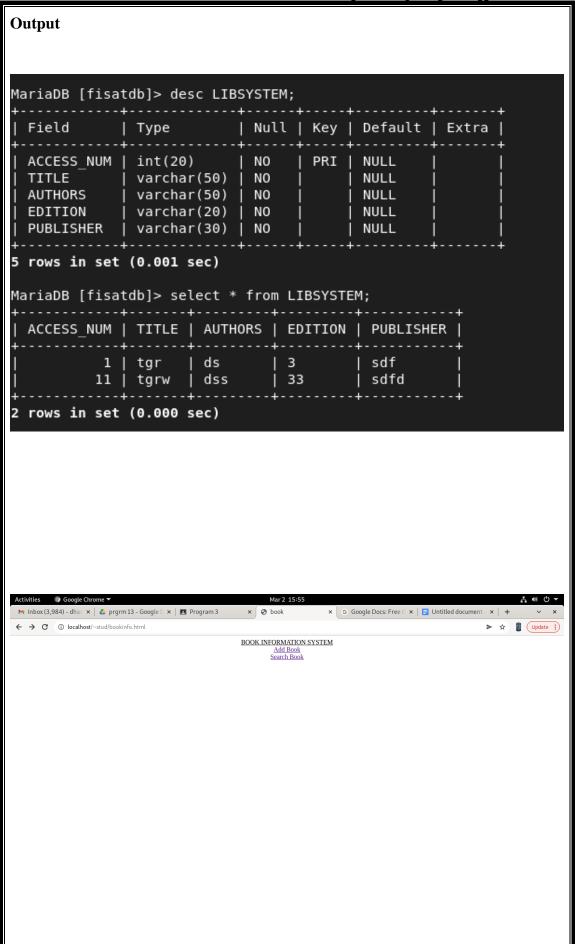
Aim: Using PHP and MySQL, develop a program to accept book information viz. Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings

```
Source code
Book_info.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="num"><br>
Title:<input type="text" name="tit"><br>
Author:<input type="text" name="author"><br>
Edition:<input type="text" name="edi"><br>
Publisher:<input type="text" name="pub"><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</form>
```

```
</body>
</html>
Addl.php
<?php
$num=$_POST['num'];
$tit=$_POST['tit'];
$author=$_POST['author'];
$edi=$_POST['edi'];
$pub=$_POST['pub'];
$con=new
mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{ echo "Failed to connect"; }
else
{ echo "connected"; }
$sql="INSERT INTO LIBSYSTEM
VALUES($num,'$tit','$author','$edi','$pub')";
if($con->query($sql))
echo "<BR>";
echo 'New row added';
else
echo "ERROR:could not execute query";
$con->close();
?>
```

```
Search.html
<html>
<head>
<title>search</title>
</head>
<body>
<form name="frm2" action="searchl.php"</pre>
method="POST">
<center>
<b><u>SEARCH A BOOK</u></b><br>
Enter book title:<input type="text" name="txt"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>
Searchl.php
<?php
$title=$_POST['txt'];
$con=new
mysqli("localhost","fisat","fisatdb");
if($con==false)
echo "Failed to connect";
else
echo "connected\n";
```

```
$sql="select * from LIBSYSTEM where
Title='$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();
?>
```



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

Source code

```
flightinfo.html
```

```
<html>
```

<head>

<title>book</title>

</head>

<body align="center"><u>FLIGHT INFORMATION SYSTEM</u>

Book FLIGHT

Search FLIGHT

</body>

</html>

fadd.html

```
<html><head>
```

<title>book flight</title></head>

<body>

<form name="frm1" action="faddl.php" method="POST">

<center><u>Enter flight Details</u>

Flight Number:<input type="text" name="fnum">

Flight Name:<input type="text" name="name">

source:<input type="text" name="source">

Destination:<input type="text" name="dest">

Date And Time Of Departure:<input type="datetime-local" name="date">

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

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

</form>

</body>

```
</html>
faddl.php
<?php
$fnum=$_POST['fnum'];
$name=$_POST['name'];
$source=$_POST['source'];
$dest=$_POST['dest'];
$date=$_POST['date'];
$con=new
mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{ echo "Failed to connect"; }
else
{ echo "connected"; }
$sql="INSERT INTO flightsystem
VALUES(\$fnum,'\$name','\$source','\$dest','\$date')";
if($con->query($sql))
echo "<BR>";
echo 'New row added';
else
echo "ERROR:could not execute query";
$con->close();
?>
```



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