

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)™

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577



FOCUS ON EXCELLENCE

20MCA133 WEB PROGRAMMING LAB

LABORATORY RECORD

Name: CELESTE ALBERT

Branch: MASTER OF COMPUTER APPLICATIONS

Semester: 1 Batch: A Roll No: 46 Reg. No: FIT21MCA2046

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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
CELESTE ALBERT (FIT21MCA2046) in the 20MCA133 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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		the same in HTML table.		
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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.	42	

Experiment Number: 1

AIM

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

PROGRAM CODE

```
<html>
<head>
<title>
About native place</title>
</head>
<body bgcolor="pink">
<h1><u><center><b><font face="verdana"
color="black">THRISSUR</font></b></center></u></h1>
<center></center><br>
<center><a href="https://thrissur.nic.in"> Go to Thrissur website </a></center>
<h2><i><b><center><font face="ariel" color="black">
The Famous Tourist Place</font></b></i></h2></center>
<p align="center"><em>Thrissur, the district located in the middle of kerala<br>Thrissur is
famous especially for its tourism, the famous tourist attraction<b><strong> "ATHIRAPALLY"</b></strong> is located in the thrissur district.<br>Also
<b><strong>"THRISSUR POORAM" </b></strong>is a famous celebration in kerala.
</em></p>
<p align="center"><em>its unique culture and traditions, coupled with its varied
demography, have made Thrissur one of the most popular tourist destinations in
Kerala</em></p><br>
<h4>famous attractions</h4>
<ul>
<li>Thrissur pooram</li>
```

```
<li>Athirapally</li>
<li>Vazhachal</li>
<li>Ezhattumugham</li>
<li>Thumburmuzhy</li>
<li>Chalakudy River</li>
<li>Peechi Dam</li>

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

OUTPUT

THRISSUR



[Go to Thrissur website](#)

The Famous Tourist Place

Thrissur, the district located in the middle of kerala
Thrissur is famous especially for its tourism, the famous tourist attraction "ATHIRAPALLY" is located in the thrissur district.
Also "THRISSUR POORAM" is a famous celebration in kerala.

its unique culture and traditions, coupled with its varied demography, have made Thrissur one of the most popular tourist destinations in Kerala

famous attractions

- Thrissur pooram
- Athirapally
- vazhachal
- Ezhattumugham
- thumburmuzhy
- chalakudy River
- Peechi Dam

Experiment Number: 2

AIM

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

Program Code

```
<html>
<head><title>BIO DATA</title>
<link rel="stylesheet" type="text/css" href="stylesheet.css">
<style> h1 {text-align:center;} table {width:700px;}
</style> </head>
<body>
<h1>BIO DATA</h1>
<hr class="hr1"></hr>
1. PERSONAL DETAILS
<hr class="hr2">
<img class="img" align="right"><br>
<table>
<tr>
<td>Name</td>
<td style="color:red;">: Celeste Albert</td>
</tr>
<tr>
<td>Address</td>
<td>: kachappilly (H)</td>
```

```
</tr>

<td>Date of birth</td>
<td>: 13 july 2000</td>

</tr>

<tr>
<td>Age</td>
<td>: 21</td>
</tr>

<tr>
<td>Gender</td>
<td>: Female</td>
</tr>

<tr>
<td>Contact</td>
<td>: 9207577195</td>
</tr>

<tr>
<td>E mail</td>
<td>: celestealbert2000@gmail.com</td>
</tr>

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

2. ACADEMIC DETAILS

```
<table width=700px height=200px border=1>
<tr>
<th style="color:red;">Education</th>
<th style="color:red;">Institution Name</th>
```

```
<th style="color:red;">Year of passing</th>
</tr>
<tr>
<td>sslc</td>
<td>Vijayagiri Public school</td>
<td>2016</td>
</tr>
<tr>
<td>PLUS TWO</td>
<td>Carmel H.S.S chalakudy</td>
<td>2018</td>
</tr>
<tr>
<td>UG</td>
<td>Sacred Heart College chalakudy</td>
<td>2021</td>
</tr>
</table><br><br>
</body>
</html>
```

OUTPUT

BIO DATA

1. PERSONAL DETAILS

Name : Celeste Albert
Address : kachappilly (H)
Date of birth : 13 july 2000
Age : 21
Gender : Female
Contact : 9207577195
E mail : celestealbert2000@gmail.com

2. ACADEMIC DETAILS

Education	Institution Name	Year of passing
sslc	Vijayagiri Public school	2016
PLUS TWO	Carmel H.S.S chalakudy	2018
UG	Sacred Heart College chalakudy	2021

Experiment Number: 3

AIM

Create an application form for MCA course in FISAT.

Program Code :

```
<html>
<head>
<title></title>
</head>
<body bgcolor="pink">
<h1 align="center">FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY</h1>
<h2 align="center"> Application form</h2>
<table align="center" cellpadding = "10">
<!-- First Name -->
<tr>
<td>First Name</td>
<td><input type="text" name="FirstName" maxlength="50" />
(Max 50 Characters Allowed)
</td>
</tr>
<!-- Last Name -->
<tr>
<td>Last Name</td>
<td><input type="text" name="LastName" maxlength="50"/>
(Max 50 Characters Allowed)
</td>
</tr>
<!-- Email ID -->
```

```
<tr>
<td>Email ID</td>
<td><input type="email" name="EmailID" maxlength="100" /></td> </tr>
<!-- Mobile Number -->
<tr>
<td>Mobile Number</td>
<td>
<input type="text" name="MobileNumber" maxlength="10"/>
(10 Digits Allowed)
</td>
</tr>
<!-- Gender -->
<tr>
<td>Gender</td>
<td>
<input type="radio" name="Gender" value="Male" />
Male
<input type="radio" name="Gender" value="Female" />
Female
</td>
</tr>
<!-- Date Of Birth-->
<tr>
<td>Date of Birth(DOB)</td>
<td>
<input type="text" name="MobileNumber" maxlength="10"/>
</td>
```

```
</tr>

<!-- Address -->

<tr>

<td>Address<br /><br /><br /></td>

<td><textarea name="Address" rows="10" cols="50"></textarea></td>

</tr>

<!-- City -->

<tr>

<td>City</td>

<td><input type="text" name="City" maxlength="50"/>

(Max 50 Characters Allowed)

</td>

</tr>

<!-- Pin Code-->

<tr>

<td>Pin Code</td>

<td><input type="Number" name="PinCode" maxlength="6"/>

(Max 6 Numbers Allowed)

</td>

</tr>

<!-- State -->

<tr>

<td>State</td>

<td><input type="text" name="State" maxlength="50"/>

(Max 50 Characters Allowed)

</td>

</tr>
```

```
<!-- Country -->

<tr>
<td>Country</td>
<td><input type="text" name="Country" /></td>
</tr>

<!-- Hobbies -->

<tr>
<td>Hobbies <br /><br /><br /></td>
<td>
<input type="checkbox" name="HobbyDrawing" value="Drawing" />
Drawing
<input type="checkbox" name="HobbySinging" value="Singing" />
Singing
<input type="checkbox" name="HobbyDancing" value="Dancing" />
Dancing
<input type="checkbox" name="HobbyCooking" value="Cooking" />
Sketching
<br />
<input type="checkbox" name="HobbyOther" value="Other">
Others
<input type="text" name="Other_Hobby" maxlength="50" />
(Max 50 Characters Allowed)
</td>
</tr>

-----Qualification----->

<tr>
<td>Qualification <br /><br /><br /></td>
```

```
<td>  
<br/>  
<input type="checkbox" name="HighSchool" value="High School" />  
High School(10th)<br/>  
<input type="checkbox" name="HigherSchool" value="Higher School" />  
Higher School(12th)<br/>  
<input type="checkbox" name="Graduation" value="Graduation" />  
Graduation(Bachelors)<br>
```

Output

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY

Application form

First Name	<input type="text"/> (Max 50 Characters Allowed)
Last Name	<input type="text"/> (Max 50 Characters Allowed)
Email ID	<input type="text"/>
Mobile Number	<input type="text"/> (10 Digits Allowed)
Gender	<input type="radio"/> Male <input type="radio"/> Female
Date of Birth(DOB)	<input type="text"/>
Address	<input type="text"/>
City	<input type="text"/> (Max 50 Characters Allowed)
Pin Code	<input type="text"/> (Max 6 Numbers Allowed)
State	<input type="text"/> (Max 50 Characters Allowed)
Country	<input type="text"/>
Hobbies	<input type="checkbox"/> Drawing <input type="checkbox"/> Singing <input type="checkbox"/> Dancing <input type="checkbox"/> Sketching <input type="checkbox"/> Others <input type="text"/> (Max 50 Characters Allowed)
Qualification	<input type="checkbox"/> High School(10th) <input type="checkbox"/> Higher School(12th) <input type="checkbox"/> Graduation(Bachelors)

Experiment Number: 4

AIM

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

Program Code :

Main code

```
<html> <head> <title> Frames </title> </head> <frameset cols="500,*"> <frame  
name="navF"src="sub2.html">  
  
<frameset rows="60%,40%"> <frame name="upperF"src="form.html"> <frame  
name="lowerF"src="sub1.html"> </frameset> </html>
```

Sub-1 code

```
<html>  
  
<head>  
  
<title> Frames </title>  
  
</head>  
  
<body>  
  
<h2 align="center">PROFESSIONAL COURSES IN IT DOMAIN</h2>  
  
<h3 align="center"><font color="green"><u>1.MASTER OF COMPUTER  
APPLICATIONS</u></font></h3>  
  
<p>Master of Computer Applications or MCA is a professional degree in computer science. The MCA course is a combination of both theoretical and practical knowledge. With an MCA degree, students can learn different tools meant to develop better and faster computer applications and software.Master of Computer Applications or MCA is a professional degree in computer science. ... The MCA course is a combination of both theoretical and practical knowledge. With an MCA degree, students can learn different tools meant to develop better and faster computer applications and software.The course comprises of four contents like Mathematics behind Computer Science, concepts in core computers and systems science, non-core computer courses and software development or design.</p>
```

```
<h4> <font color="blue">TOP 10 COLLEGES IN KERALA OFFERING MCA</font></h4> <ul>
```

```
<li><em>Federal Institute of Science And Technology,Angamaaly</em></li>
<li><em>National Institute of Technology (NIT), Calicut</em></li>
<li><em>Government Engineering College (GECT), Thrissur</em></li>
<li><em>College of Engineering, Thiruvananthapuram.</em></li>
<li><em>Mar Athanasius College of Engineering.</em></li>
<li><em>St. Aloysius College - Edathua.</em></li>
<li><em>Rajiv Gandhi Institute of Technology (RIT), Kottayam.</em></li>

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

Sub-2 Code

```
<head>
<title>reference</title>
</head>
<body bgcolor="grey">
<h4><font color="orange"> OTHER DEPARTMENTS IN FISAT</font> </h4>
<ul>
<li><em>Electronics and Communication Engineering</em></li>
<li><em>Mechanical Engineering</em></li>
<li><em>Civil Engineering</em></li>
<li><em>Computer Science Engineering</em></li>
<li><em>Electrical Engineering</em></li>
</ul>
</body>
</head>
```

Output

PROFESSIONAL COURSES IN IT DOMAIN

1.MASTER OF COMPUTER APPLICATIONS

Master of Computer Applications or MCA is a professional degree in computer science. The MCA course is a combination of both theoretical and practical knowledge. With an MCA degree, students can learn different tools meant to develop better and faster computer applications and software. Master of Computer Applications or MCA is a professional degree in computer science. ... The MCA course is a combination of both theoretical and practical knowledge. With an MCA degree, students can learn different tools meant to develop better and faster computer applications and software. The course comprises of four contents like Mathematics behind Computer Science, concepts in core computers and systems science, non-core computer courses and software development or design.

TOP 10 COLLEGES IN KERALA OFFERING MCA

- *Federal Institute of Science And Technology,Angamaaly*
- *National Institute of Technology (NIT), Calicut*
- *Government Engineering College (GECT), Thrissur*
- *College of Engineering, Thiruvananthapuram.*
- *Mar Athanasius College of Engineering.*
- *St. Aloysius College - Edathua.*
- *Rajiv Gandhi Institute of Technology (RIT), Kottayam.*

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY

Mookkannur,Angamaly

APPLICATION FORM FOR MCA

PERSONAL INFORMATIONS

Name	Address:	City
<input type="text"/>		
State	Country	Pin Code
<input type="text"/>		
Ph. No.	Email Id	
<input type="text"/>		<input type="checkbox"/> Gender: Male <input type="radio"/> Female <input type="radio"/> Other <input type="radio"/>
Religion		General <input type="button" value="▼"/>

OTHER DEPARTMENTS IN FISAT

- *Electronics and Communication Engineering*
- *Mechanical Engineering*
- *Civil Engineering*
- *Computer Science Engineering*
- *Electrical Engineering*

Experiment Number: 5

AIM

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

Program Code :

Bio.html

```
<html>
<head><title>BIO DATA</title>
<link rel="stylesheet" type="text/css" href="stylesheet.css">
<style> h1 {text-align:center;} table {width:700px;}
</style> </head>
<body>
<h1>BIO DATA</h1>
<hr class="hr1"></hr>
1. PERSONAL DETAILS
<hr class="hr2">
<img class="img" align="right"><br>
<table>
<tr>
<td>Name</td>
<td style="color:red;">: Celeste Albert</td>
</tr>
<tr>
<td>Address</td>
<td>: Kachappilly (H)</td>
</tr>
```

```
<td>Date of birth</td>
<td>: 13 july 2000</td>
</tr>
<tr>
<td>Age</td>
<td>: 21</td>
</tr>
<tr>
<td>Gender</td>
<td>: Female</td>
</tr>
<tr>
<td>Contact</td>
<td>: 9207577195</td>
</tr>
<tr>
<td>E mail</td>
<td>: celestealbert2000@gmail.com</td>
</tr>
</table><br><br>
<button name="Next"><a href="academic.html">Next</a></button>
</body> </html>
academic.html
<html>
<head><title>BIO DATA</title>
<link rel="stylesheet" type="text/css" href="stylesheet.css">
<style>
```

```
h1 {text-align:center;}  
/></style> </head>  
  
<body>  
  
<h1 align="center">BIO DATA</h1>  
  
<hr size=5 noshade></hr>  
  
2. ACADEMIC DETAILS  
  
<hr class="hr2"></hr>  
  
<table width=700px height=200px border=1>  
  
<tr>  
  
<th style="color:red;">Education</th>  
  
<th style="color:red;">Institution Name</th>  
  
<th style="color:red;">Year of passing</th>  
  
</tr>  
  
<tr>  
  
<td>SSLC</td>  
  
<td>Vijayagiri Public School</td>  
  
<td>2016</td>  
  
</tr>  
  
<tr>  
  
<td>PLUS TWO</td>  
  
<td>Carmel H.S.S chalakudy</td>  
  
<td>2018</td>  
  
</tr>  
  
<tr>  
  
<td>UG</td>  
  
<td>Sacred Heart college chalakudy</td>  
  
<td>2021</td>
```

```
</tr>

</table><br><br>

<button name="home" value="home"><a href="bio.html"
nocolor>HOME</a></button>

</body> </html>

stylesheet.css

.img {src:download.png; height:250px; width:400px;}

.hr1 {size:5 noshade;}

.hr2 {size:2 noshade;}
```

OUTPUT

BIO DATA

1. PERSONAL DETAILS

Name	:	Celeste Albert
Address	:	Kachappilly (H)
Date of birth	:	13 july 2000
Age	:	21
Gender	:	Female
Contact	:	9207577195
E mail	:	celestealbert2000@gmail.com

[Next](#)

BIO DATA

2. ACADEMIC DETAILS

Education	Institution Name	Year of passing
SSLC	Vijayagiri Public School	2016
PLUS TWO	Carmel H.S.S chalakudy	2018
UG	Sacred Heart college chalakudy	2021

[HOME](#)

Experiment Number: 6

AIM

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

Program Code :

Validation

```
<html>
<head>
<title>Application form</title>
<script>
function validateForm() {
let x = document.forms["AppForm"]["fname"].value; if (x == "") {
alert("Name must be filled out");
}
let y = document.forms["AppForm"]["email1"].value; if (y == "") {
alert("email must be filled out"); return false;
}
}
</script>
</head>
<body>
<form name="AppForm" method="post" action="submit.html" onsubmit="return validateForm()">
<p>Name &nbsp;&nbsp;&nbsp;
<input type="text" name="fname"></p><br>
<p>Email &nbsp;&nbsp;&nbsp;&nbsp;
<input type="text" name="email1"></p><br>
<p><input type="submit" value="Submit">
```

```
<input type="reset" value="Reset"></p>  
</form>  
</body> </html>
```

OUTPUT

Name

Email



Experiment Number: 7

AIM

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

(String Functions- Length,slice,
substring,substr,replace,toUppercase,toLowercase,concat,trim,charAt,convert string to
array,indexof, search,includes)
(Math Functions- round,ceil,floor,trunc,sign, pow,sqrt,abs,sin,cos,min,max,random,log)

Program Code :

```
<html>
<body>
<center><h2><b>JavaScript String Properties</b></h2></center>
<p><b>The length property returns the length of a string:</b></p>
<p id="demo"></p>
<p><b>The slice() method extract a part of a string
and returns the extracted parts in a new string:</b></p>
<p id="demo1"></p>
<p><b>The substring() method extract a part of a string and returns the extracted parts in a
new string:</b></p>
<p id="demo2"></p>
<p><b>The substr() method extract a part of a string
and returns the extracted parts in a new string:</b></p>
<p id="demo3"></p>
<p><b>Replace "canada" with "paris" in the paragraph below:</b></p>
<button onclick="myFunction()">Try it</button>
<p id="demo4">Go to canada!</p>
<p><b>Convert string to upper case:</b></p>
<button onclick="myFunction1()">Try it</button>
```

```
<p id="A">Hello World!</p>

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

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

<p id="B">HELLO WORLD!</p>

<p><b>The concat() method joins two or more strings:<br> Devadarsh is the first string and<br> Jeevankumar is the first string and</b> </p>

<p id="C"></p>

<h2><b>The trim() Method</b></h2>

<p id="D"></p>

<p><b>The charAt() method returns the character at a given position in a string:</b></p> <p id="E"></p>

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

<p id="F"></p>

<p><b>The indexOf() method returns the position of the first occurrence of a specified text:</b></p> <p id="G"></p>

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

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

<p id="I"></p>

<p><b>The includes() method is not supported in Internet Explorer.</b></p>

<script>

let text = "ABCDEFGHIJKLMNPQRSTUVWXYZ";

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

let str = "dev,deepa,kunju";

document.getElementById("demo1").innerHTML = str.slice(0,3);

let a = "Apple, Banana, Kiwi"; document.getElementById("demo2").innerHTML = a.substring(7,13);

let str1 = "friends, family, lover"; document.getElementById("demo3").innerHTML = str1.substr(9,6);
```

```
function myFunction() { let text = document.getElementById("demo4").innerHTML;
document.getElementById("demo4").innerHTML = text.replace("canada","paris");
}

function myFunction1() { let text = document.getElementById("A").innerHTML;
document.getElementById("A").innerHTML =
text.toUpperCase();
}

function myFunction2() { let text = document.getElementById("B").innerHTML;
document.getElementById("B").innerHTML =
text.toLowerCase();
}

let text1 = "Devadarsh"; let text2 = "Jeevankumar!";
let text3 = text1.concat(" ",text2); document.getElementById("C").innerHTML = text3;
let t1 = " Hello World! "; let t2 = t1.trim();

document.getElementById("D").innerHTML = "Length t1=" + t1.length + "<br>Length2 t2=" +
t2.length;

var b = "DEV";
document.getElementById("E").innerHTML = b.charAt(0);

let c = "a,b,c,d,e,f"; const myArray = c.split(","); document.getElementById("F").innerHTML =
myArray[0];

let str2 = "Please locate where 'locate' occurs!"; document.getElementById("G").innerHTML =
str2.indexOf("locate");

let str3 = "Please locate where 'college' occurs!";
document.getElementById("H").innerHTML = str3.search("college");

let text5 = "Hello world, welcome to the universe.";
document.getElementById("I").innerHTML = text5.includes("world"); </script>
</body>
</html>
```

OUTPUT

JavaScript String Properties

The length property returns the length of a string:

26

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

dev

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

Banana

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

family

Replace "canada" with "paris" in the paragraph below:

[Try it](#)

Go to canada!

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:

Devadarsh is the first string and
Jeevankumar is the first string and

Devadarsh Jeevankumar!

The trim() Method

Length t1=16

Lengtht2 t2=12

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

D

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:

21

Check if a string includes "world":

true

The includes() method is not supported in Internet Explorer.

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 :

```
<!DOCTYPE HTML>

<html>
<head>
<title>
    changing the background color
</title>
</head>
<body style = "text-align:center;">
<h1 style = "color:black;" >
<big>Imagination</big>
</h1>
<h2 style = "color:blue;"><strong>Is the begining</strong></h2>
<h3>Of creation</h3>
<button type="button" id="color-button" onclick="changeBg()">click here
</button>
<br> <script> document.writeln( "");
const pageBody = document.querySelector("body"); function changeBg()
{ let color = '#'+(Math.random()*0xFFFFFF<<0).toString(16);
pageBody.style.background = color;
}
</script>
</body> </html>
```

OUTPUT

Imagination

Is the begining

Of creation

[click here](#)

Imagination

Is the begining

Of creation

[click here](#)

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: #E6E6E6;
}
</style> </head>
<body>
<b><u>CALENDAR</u></b><br>
Enter The year : <input type="number" name="cal" id="cal" /><br>
Enter The Month: <input type="number" name="month" id="month" />
<br>
<button onclick="calculate()">Click me</button>
<div id="calendar"></div>
<script> function calculate() {
var year = document.getElementById("cal").value; var month =
document.getElementById("").value; createCalendar(year,month);
```

```

}

function getDay(date) { // get day number from 0 (monday) to 6 (sunday) let day =
date.getDay();

if (day == 0) day = 7; // make Sunday (0) the last day return day - 1;

}

function createCalendar(year, month) {

let mon = month - 1; // months in JS are 0..11, not 1..12

let d = new Date(year, mon); //d contains first date of the value in year and month let table =
//<table><tr><th>MON</th><th>;
// spaces for the first row
// from Monday till the first day of the month
// * * * 1 2 3 4
for (let i = 0; i < getDay(d); i++) {
table += '<td>*</td>';
}
// <td> with actual dates
while (d.getMonth() == mon) { table += '<td>' + d.getDate() + '</td>';
if (getDay(d) % 7 == 6) { // sunday, last day of week -> newrow table += '</tr><tr>';
}
d.setDate(d.getDate() + 1);
// add spaces after last days of month for the last row
// 29 30 31 * * * if (getDay(d) != 0) { for (let i = getDay(d); i < 7; i++) {
table += '<td>*</td>';
}
}
// close the table
table += '</tr></table>';
}

```

```
document.getElementById("").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	*

Experiment Number: 10

AIM

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

Program Code :

```
<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 = 'Total amount of ' . $units . ' is ' . $result;    }
}
/***
 * To calculate electricity bill as per unit cost
*/
function calculate_bill($units) {    $unit_cost_first = 3.50;
$unit_cost_second = 4.00;
$unit_cost_third = 5.20;    $unit_cost_fourth = 6.50;
if($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) {      $temp = (50 * 3.5) + (100 *
$unit_cost_second);}
```

```
$remaining_units = $units - 150;  
$bill = $temp + ($remaining_units * $unit_cost_third);  
}  
else {  
    $temp = (50 * 3.5) + (100 * $unit_cost_second) + (100 * $unit_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>Php - Calculate Electricity Bill</h1>  
<form action="" method="post" id="quiz-form">  
    <input type="number" name="units" id="units" placeholder="Please enter no. of  
    Units" />  
    <input type="submit" name="unit-submit" id="unit-submit" value="Submit" />  
</form>  
<div>  
    <?php echo '<br />' . $result_str; ?>  
</div>  
</div>  
</body> </html>
```

OUTPUT

Php - Calculate Electricity Bill

200



Submit

Total amount of 200 is 835.00

Experiment Number: 11

AIM

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

Program Code :

```
<!DOCTYPE html>

<head>

<title> Arrays in php</title>

</head>

<?php

$Names=array("Name 1"=>"Celeste","Name 2"=>"Albert","Name 3"=>"Jeevana");

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

arsort($Names); print_r($Names); echo "<br>"; asort($Names); print_r($Names);

?>

<body>

</body> </html>
```

OUTPUT

```
Array ( [Name 1] => Celeste [Name 2] => Albert [Name 3] => Jeevana )
Array ( [Name 3] => Jeevana [Name 1] => Celeste [Name 2] => Albert )
Array ( [Name 2] => Albert [Name 1] => Celeste [Name 3] => Jeevana )
```

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

$cricketers= array("Sachin", "Virat", "Rohit");    echo "Indian Cricketers: " . $cricketers[0] .
", " . $cricketers[1] . " and " .

$cricketers[2] . ".";

echo "<h3>INDIAN CRICKETERS</h3><table border='1'>

<tr>

<th>NO</th>

<th>NAMES</th>

</tr>

<tr>

<td>1</td>

<td>Sachin</td>

</tr>

<tr>

<td>2</td>

<td>Virat</td>

</tr>

<tr>

<td>3</td>

<td>Rohit</td>
```

```
</tr>"; ?>  
</body>  
</html>
```

OUTPUT

Indian Cricketers: Sachin, Virat and Rohit.

INDIAN CRICKETERS

NO	NAMES
1	Sachin
2	Virat
3	Rohit

Experiment Number: 13

AIM

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

Program Code :

BOOKINFO.HTML

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

ADDBOOK.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";  
}  
$sql="INSERT INTO book VALUES($num,$tit,$author,$edi,$pub)"; if($con->query($sql))  
{ echo "<BR>"; echo 'New row added';  
}  
else {  
echo "ERROR:could not execute query";  
}  
$con->close();  
?>
```

SEARCH.HTML

```
<html>
<head>
<title>search</title>
</head>
<body>
<form name="frm2" action="searchl.php"
method="POST">
<center>
<b><u>SEARCH A BOOK</u></b><br>
Enter book title:<input type="text" name="txt"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>
```

SEARCHL.PHP

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

OUTPUTS

BOOK INFORMATION SYSTEM
[Add Book](#)
[Search Book](#)

Enter Book Details

Access Number:

Title:

Author:

Edition:

Publisher:

Enter Book Details

Access Number: 102

Title: Alchemist

Author: Poulo Choelo

Edition: 2018

Publisher: DC books

connected
New row added

SEARCH A BOOK

Enter book title:

Submit Query

connected 102:Alchemist:Poulo Choelo:2018:DC books

FINAL OUTPUT

```
MariaDB [fisatdb]> select * from book;
+-----+-----+-----+-----+
| accessnum | title | author | edition | publisher |
+-----+-----+-----+-----+
| 102 | Alchemist | Poulo Choelo | 2018 | DC books |
| 104 | pride and prejudice | Jane Austin | 2008 | abc books |
| 106 | I Give Up | laura story | 2018 | h and c books |
+-----+-----+-----+-----+
3 rows in set (0.000 sec)
```

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 :

airlindetails.html

```
<html>
<head>
<title>book</title>
</head>
<body align="center"><u>AIRLINES</u><br>
<a href="airdetails.html">airline details</a><br>
<a href="searchair.html">serach airlines</a><br>
</body> </html>
```

airdetails.html

```
<html>
<head>
<title>Add airline</title></head>
<body>
<form name="frm1" action="airl.php" method="POST">
<center><b><u>Enter Airline Details</u></b><br>
Airline Number:<input type="text" name="num"><br> Name:<input type="text"
name="name"><br> date:<input type="text" name="date"><br> Source:<input type="text"
name="source"><br>
Destination:<input type="text" name="des"><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</form>
```

```
</body> </html>

airl.php

<?php

$num=$_POST['num'];
$name=$_POST['name'];
$date=$_POST['date'];
$source=$_POST['source'];
$des=$_POST['des'];

$con=new mysqli('localhost','fisat','fisat','fisatdb'); if($con==false)
{
echo 'Failed to connect';
}
else {
echo 'connected';
}

$sql="INSERT INTO Airline VALUES($num,$name,$date,$source,$des)"; if($con->query($sql))

{ echo '<BR>'; echo 'New row added';
}
else {
echo 'ERROR:could not execute query';
}
$con->close(); ?>
```

searchair.html

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

```
</head>

<body>

<form name="frm2" action="searchll.php" method="POST">

<center>

<b><u>SEARCH AN AIRLINE DETAILS</u></b><br>

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

Enter destination:<input type="text" name="des"><br>

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

</center>

</form>

</body> </html>
```

searchll.php

```
<?php

$source=$_POST['source'];

$des=$_POST['des'];

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

if($con==false) {

echo 'Failed to connect';

}

else {

echo 'connected\n';

}

$sql="select * from Airline where source='".$source.' and destination='".$des"'; if($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 airline'; }
}
else
{ echo '\nError:could not connect'; }
$con->close();
?>
```

OUTPUTS

AIRLINES
[airline details](#)
[serach airlines](#)

<p>Enter Airline Details</p> <p>Airline Number: 102</p> <p>Name: AIR INDIA</p> <p>date: 10</p> <p>Source: Delhi</p> <p>Destination: Kerala</p> <p><input type="button" value="Submit Query"/> <input type="button" value="Reset"/></p>	<p>connected</p> <p>New row added</p> <hr/> <p>SEARCH AN AIRLINE DETAILS</p> <p>Enter source: chennai</p> <p>Enter destination: China</p> <p><input type="button" value="Submit Query"/></p> <hr/> <p>connected\n\n104:AIR ASIA:12:chennai:China\n</p>
---	---

```
MariaDB [fisatdb]> create table airline(no integer(10),name varchar(20),date integer(10),source varchar(20),destination varchar(20));
ERROR 1050 (42S01): Table 'airline' already exists
MariaDB [fisatdb]> create table Airline(no integer(10),name varchar(20),date integer(10),source varchar(20),destination varchar(20));
Query OK, 0 rows affected (0.153 sec)

MariaDB [fisatdb]> select * from Airline;
Empty set (0.025 sec)

MariaDB [fisatdb]> select * from Airline;
Empty set (0.000 sec)

MariaDB [fisatdb]> select * from Airline;
+----+-----+-----+-----+
| no | name | date | source | destination |
+----+-----+-----+-----+
| 102 | AIR INDIA | 12 | Delhi | Kerala |
| 104 | AIR ASIA | 10 | chennai | China |
| 106 | ETHIHAD | 3 | Banglore | UAE |
+----+-----+-----+-----+
3 rows in set (0.012 sec)
```