

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)TM

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577



FOCUS ON EXCELLENCE

20MCA133...WEB PROGRAMMING LAB

LABORATORY RECORD

Name: CHANCHAL K SUNIL

Branch: MASTER OF COMPUTER APPLICATIONS

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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)TM

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 CHANCHAL K.SUNIL (FIT21MCA-2047) 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> <font face= "times" color="green" size= "+2"> Native place</title>
</head>
<body>
<h1><font color=" red"> <u>KANNUR</u> </font></h1>
<p>Kannur is a district situated in the north side of
<b>Kerala</b>.
It has a lot of cultural and historic significance.
It is a part of western ghats and is rich in natural treasures. Landscape of Kannur
continued to amaze all the ones who are visiting there.
Paithalmala, Palakkayam pattu, Manju mala etc... are some tourists spots in
Kannur. Apart from this a number of beaches, water theme parks, zoos are also
there. There are people who are following a wide variety of cultures. It is a land
which welcomes all cultures. People in there gives a great value for preserving
their traditions. It also has a history of a number of freedom fighters.</p>
<a href="https://en.wikipedia.org/wiki/Alakode,_Kannur_district">go to
website</a>
<h2> <font color=" green">Some villages in Kannur</font></h2>
<p>A few villages are only mentioning here </p>
<ul>
<li><em>Alakode</em></li>
<li><em>Naduvil</em></li>
<li><em>Udayagiri</em></li>
<br>Alakode is a small village which is the main attraction of tourists because of
the wide variety of tourists spots in it
</ul>
<h3><font color="blue">Schools in Alakode</font></h3>
<ol>
<li> Little Flower Eng. Medium School, Karuvanchal.</li>
<li>St Marys Convent School, Alakode</li>
<li>St Sebastians School, Vellad.</li>
<li>St. Josephs School, Vayattuparamba </li>
</ol>
<hr align="center" size=" 4" width=" 50%">
</body>
</html>

```

OUTPUT

KANNUR

Kannur is a district situated in the north side of Kerala. It has a lot of cultural and historic significance. It is a part of western ghats and is rich in natural treasures. Landscape of Kannur continued to amaze all the ones who are visiting there. Paithalmala, Palakkayam pattu, Manju mala etc... are some tourists spots in Kannur. Apart from this a number of beaches, water theme parks, zoos are also there. There are people who are following a wide variety of cultures. It is a land which welcomes all cultures. People in there gives a great value for preserving their traditions. It also has a history of a number of freedom fighters.

[go to website](#)

Some villages in Kannur

A few villages are only mentioning here

- Alakode
- Naduvil
- Udayagiri

Alakode is a small village which is the main attraction of tourists because of the wide variety of tourists spots in it

Schools in Alakode

1. Little Flower Eng. Medium School, Karuvanchal.
 2. St Marys Convent School, Alakode
 3. St Sebastians School, Vellad.
 4. St. Josephs School, Vayattuparamba
-

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


PROGRAM CODE

```
<html>
<head><title> BIO- DATA </font> </title>
</head>
<body>
  <h1 align="centre"> <font color= " green"><u>BIO- DATA</font></u> </h1>
  <table border="2" align="centre">
    <tr><td> NAME </td><td> CHANCHAL K SUNIL</td></tr>
    <tr><td> IMAGE</td><td> <img src= "cha.jpeg"> </td></tr>
    <tr><td> IMAGE</td><td>
    <tr><td> DATE OF BIRTH</td><td>06/10/2000 </td></tr>
    <tr><td>BLOOD GROUP</td><td> A <sup>+</sup></td></tr>
    <tr><td>EMAIL</td><td> chanchaltherese@gmail.com</td></tr>
    <tr><td>PH. NO.</td><td>8330065006</td></tr>
  </table>

  <P> <boldface>EDUCATIONAL QUALIFICATION</boldface></P>
  <table border=3>
    <tr><td> <boldface> QUALIFICATION</boldface></td><td> <boldface> NAME
    OF THE INSTITUTION </boldface></td><td><boldface> PERCENTAGE OF
    MARKS </boldface> </td></tr>
    <tr><td> BSc Mathematics </td><td> St. Marys College, Thrissur</td><td>
    85.6</td></tr>
    <tr><td> Higher Secondary </td><td> GHSS Kaniyanchal</td><td>
    93.25</td></tr>
    <tr><td> Matriculation </td><td> Little Flower School, Karuvanchal</td><td>
    98</td></tr>
  </table>
</body>
</html>
```

OUTPUT

BIO- DATA

NAME	CHANCHAL K SUNIL
IMAGE	
IMAGE	
DATE OF BIRTH	06/10/2000
BLOOD GROUP	A ⁺
EMAIL	chanchalthere@gmail.com
PH. NO.	8330065006

EDUCATIONAL QUALIFICATION

QUALIFICATION	NAME OF THE INSTITUTION	PERCENTAGE OF MARKS
BSc Mathematics	St. Marys College, Thrissur	85.6
Higher Secondary	GHSS Kaniyanchal	93.25
Matriculation	Little Flower School, Karuvanchal	98

EXPERIMENT NO: 3**AIM**

Create an application form for MCA course in FISAT.

PROGRAM CODE

```
<html>
<head>
<title> Form </title>
</head>
<body bgcolor="skyblue">
<font face="arial" size="+2" "> <h5 align="center"> FEDERAL INSTITUTE OF
SCIENCE AND TECHNOLOGY </h5></font>
<h4 align="center">Mookkannur,Angamaly</h4>
<h2 align="center"><font color="red"><u>APPLICATION FORM FOR MCA
</u></font></h2>
<table border="1">
<tr><td><b>PERSONAL INFORMATIONS</b></td></tr>
</table>

<form>
Name <input name="name" type="text" size="20">
Address<input name="address" type="text" size="30">
City<input name="City" type="text" size="30"><br><br>
State<input name="State" type="text" size="30">

Country<input name="Country" type="text" size="30">
Pin Code<input name="Pin Code" type="text" size="30">
</form>

<form>
Ph. No. <input name="number" type="text" size="20">
Email Id<input name="Email Id" type="text" size="30">
</form>

<form>
DOB<input type="date" type="text" value="DOB">
Gender: Male<input type="radio" name="name" value="Male">Female<input
type="radio" name="name" value="Female">Other<input type="radio"
name="name" value="other">
<br>Religion<input name="religion" type="text" size="30">
```

```

<select name="caste">
<option>General
<option>SC
<option>ST
<option>OBC
<option>Other
</select>
</form>

```

```

<font face="arial" size="+1" "> <b>Father's Details</b></font>
<form>

```

```

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

```

```

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

```

```

Ph. No.<input name="Ph. No" type="text" size="20">

```

```

Office Address<textarea name= "comments"rows="5"> Type address here
</textarea>

```

```

</form>

```

```

<form>

```

```

<font face="arial" size="+1"> <b>Mother's Details</b></font>

```

```

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

```

```

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

```

```

Ph. No.<input name="Ph. No" type="text" size="20">

```

```

Office Address<textarea name= "comments"rows="5"> Type address here
</textarea>

```

```

</form>

```

```

<table border="1">

```

```

<tr><td><b>EDUCATIONAL QUALIFICATIONS</b></td></tr>

```

```

</table>

```

```

<b>GRADUATION</b>

```

```

<form>

```

```

Name of the Institution<input name="name" type="text" size="30">

```

```

Percentage of Marks<input name="Pin Code" type="text" size="30">

```

```

</form>

```

```

<b>HIGHER SECONDARY</b>

```

```

<form>

```

```

Name of the Institution<input name="name" type="text" size="30">

```

```

Percentage of Marks<input name="Pin Code" type="text" size="30">

```

```

</form>

```

```

<b>MATRICULATION</b>

```

```

<form>

```

```

Name of the Institution<input name="name" type="text" size="30">
Percentage of Marks<input name="Pin Code" type="text" size="30">
</form>

<input type="submit" name="send" value="Send">
<input type="reset" name="clear" value="Clear"><br>
</body>
</html>

```

OUTPUT

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY
 Mookkannur, Angamaly
APPLICATION FORM FOR MCA

PERSONAL INFORMATIONS
 Name Address City
 State Country Pin Code
 Ph. No. Email Id
 DOB dd/mm/yyyy ☐ Gender: Male ☐ Female ☐ Other ☐
 Religion General

Father's Details

Name Occupation Ph. No. Office Address

Type address here

Mother's Details

Name Occupation Ph. No. Office Address

Type address here

EDUCATIONAL QUALIFICATIONS
GRADUATION
 Name of the Institution Percentage of Marks
HIGHER SECONDARY
 Name of the Institution Percentage of Marks
MATRICULATION
 Name of the Institution Percentage of Marks

EXPERIMENT NO: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, Angamaly
- 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

State Country Pin Code

Ph. No. Email Id

DOB dd/mm/yyyy ☐ Gender: Male ☐ Female ☐ Other ☐

Religion General

OTHER DEPARTMENTS IN FISAT

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

EXPERIMENT NO: 5**AIM**

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

PROGRAM CODE**CSS INLINE STYLE SHEET****Code**

```
<html>
<head>
<title>inline style sheet</title>
</head>
<body>
<h2 style="font-family:sans serif;color:blue"> <u>POLLUTION</u></font></h2>
<p style="color:ff0033;font-family:courier;font-size:12"> Pollution is a term
which even kids are aware of these days. It has become so common that almost
everyone acknowledges the fact that pollution is rising continuously. The term
'pollution' means the manifestation of any unsolicited foreign substance in
something. When we talk about pollution on earth, we refer to the contamination
that is happening of the natural resources by various pollutants.</p>
</body>
</html>
```

OUTPUT**POLLUTION**

Pollution is a term which even kids are aware of these days. It has become so common that almost everyone acknowledges the fact that pollution is rising continuously. The term 'pollution' means the manifestation of any unsolicited foreign substance in something. When we talk about pollution on earth, we refer to the contamination that is happening of the natural resources by various pollutants.

CSS INTERNAL STYLE SHEET

Code

```
<html>
<head>
<title>inline style sheet</title>
<style>
body {background-color: powderblue;}
h1   {color: Green;}
p    {color: grey;}
</style>
</head>
<body>
<h2> <u>UNEMPLOYMENT</u></font></h2>
<p> The three basic needs of human beings are - food, home and clothing. All
these needs can be properly fulfilled only if a person has money. And to earn
this money, the person must be employed, that is, he or she must have a paid
occupation. However, there are many people in the world and in our country too
who have failed to secure a job. As a result, they have an insignificant source
of income. This state of joblessness is called unemployment.</p>
</body>
</html>
```

OUTPUT

UNEMPLOYMENT

The three basic needs of human beings are - food, home and clothing. All these needs can be properly fulfilled only if a person has money. And to earn this money, the person must be employed, that is, he or she must have a paid occupation. However, there are many people in the world and in our country too who have failed to secure a job. As a result, they have an insignificant source of income. This state of joblessness is called unemployment.

CSS EXTERNAL STYLE SHEET

Main Code

UNEMPLOYMENT

The three basic needs of human beings are - food, home and clothing. All these needs can be properly fulfilled only if a person has money. And to earn this money, the person must be employed, that is, he or she must have a paid occupation. However, there are many people in the world and in our country too who have failed to secure a job. As a result, they have an insignificant source of income. This state of joblessness is called unemployment.

Sub-code

```
body { background-color: pink; } h1 { color: green; } p { color: red;}
```

OUTPUT

UNEMPLOYMENT

The three basic needs of human beings are - food, home and clothing. All these needs can be properly fulfilled only if a person has money. And to earn this money, the person must be employed, that is, he or she must have a paid occupation. However, there are many people in the world and in our country too who have failed to secure a job. As a result, they have an insignificant source of income. This state of joblessness is called unemployment.

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

[illegible]

OUTPUT



The screenshot shows a web browser window with a taskbar at the top containing icons for 'Apps', 'Gmail', 'YouTube', and 'Maps'. The browser address bar shows a URL starting with 'http://'. The main content area of the browser displays a form with two input fields: 'Name' and 'Email'. The 'Name' field is currently empty, and a red error message box is overlaid on the right side of the form, stating 'This page says Name must be filled out' with an 'OK' button. Below the input fields are two buttons: 'Submit' and 'Reset'.

Apps Gmail YouTube Maps

Name

Email

Submit Reset

This page says
Name must be filled out
OK

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)

PROGRAM CODE**String Functions**

```
<html>
<head><title>String Properties</title></head>
<body>
<p>The length property returns the length of a string:</p>
<p id="demo"></p>

<p>The slice parts in a new string:</p>
<p id="demo1"></p>

<p>The substring of the string is:</p>
<p id="demo2"></p>

<p>The substr of string is:</p>
<p id="demo3"></p>

<p>Replace "Boy with Girl":</p>
<button onclick="myFunction()">Try it</button>
<p id="demo4">Good Boy..!</p>

<p>Convert string to upper case:</p>
<button onclick="myFun()">Try it</button>
<p id="demo5">Hello World!</p>

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

<button onclick="myFunction1()">Try it</button>

<p id="demo6">HELLO WORLD!</p>

<p>concat:</p>
```

```

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

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

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

<p>Array making:</p>
<p id="demo10"></p>

<p>Index is:</p>
<p id="demo11"></p>

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

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

<script>
let text = " Wonderland ";
document.getElementById("demo").innerHTML = text.length;

let str = "I LOVE MY COUNTRY";
document.getElementById("demo1").innerHTML = str.slice(-12,-6);

let str1 = "I LOVE MY COUNTRY";
document.getElementById("demo2").innerHTML = str1.substring(9,18);

let str2 = "I LOVE MY COUNTRY";
document.getElementById("demo3").innerHTML = str2.substr(9,7);

function myFunction() {
  let text1 = document.getElementById("demo4").innerHTML;
  document.getElementById("demo4").innerHTML =
    text1.replace("Boy", "Girl");
}

function myFun() {
  let text2 = document.getElementById("demo5").innerHTML;
  document.getElementById("demo5").innerHTML =
    text2.toUpperCase();
}

function myFunction1() {
  let text3 = document.getElementById("demo6").innerHTML;
  document.getElementById("demo6").innerHTML =
    text3.toLowerCase();
}

```

```

}

let text4 = "Hey";
let text5 = "You!";
let text6= text4.concat(" ",text5);
document.getElementById("demo7").innerHTML = text6;

let text7 = "  Hello World!  ";
let text8 = text7.trim();
document.getElementById("demo8").innerHTML = text8;

var text9 = "HELLO WORLD";
document.getElementById("demo9").innerHTML = text9.charAt(2);

let text10="A,E,I,O,U"
myarray=text10.split(",");
document.getElementById("demo10").innerHTML = myarray[0];

let text11= "Please locate where 'locate' occurs!";
document.getElementById("demo11").innerHTML = text11.indexOf("locate");

let text12 = "Please locate where 'college' occurs!";
document.getElementById("demo12").innerHTML = text12.search("college");

let text13 = "Hello world, welcome to the universe.";
document.getElementById("demo13").innerHTML = text13.includes("world");

</script>
</body>
</html>

```

Math Functions

```

<html>

<
  <body>
    <h2>JavaScript Math Object</h2>
    <h3>Math.round</h3>
    <p>Math.round(x) returns the value of x rounded to its nearest integer:</p>
    <p id="round"></p>
    <h3>Math.ceil</h3>
    <p>Math.ceil() rounds a number <strong>up</strong> to its nearest integer:</p>
    <p id="ceil"></p>
    <h3>JavaScript Math.floor</h3>

```

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

<p id="floor"></p>

<h3>trunc()</h3>

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

<p id="trunc"></p>

<h2>Math.sign()</h2>

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

<p id="sign"></p>

<h3>Math.pow()</h3>

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

<p id="pow"></p>

<h3>Math.sqrt()</h3>

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

<p id="sqrt"></p>

<h3>Math.abs()</h3>

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

<p id="abs"></p>

<h3>Math.sin()</h3>

<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="sin"></p>

<h3>Math.random()</h3>

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

<p id="rand"></p>

<p>Tip: Click on "Run" several times.</p>

<script>

document.getElementById("round").innerHTML = "Math.round(1.5)=" + Math.round(1.5);

document.getElementById("ceil").innerHTML = "Math.ceil(1.4)=" + Math.ceil(1.4);

document.getElementById("floor").innerHTML = "Math.floor(1.8)=" + Math.floor(1.8);

document.getElementById("trunc").innerHTML = "Math.trunc(1.7)=" + Math.trunc(1.7);

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

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

document.getElementById("sqrt").innerHTML = "Math.sqrt(49)=" + Math.sqrt(49);

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

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

OUTPUT

The length property returns the length of a string:

12

The slice parts in a new string:

E MY C

The substring of the string is:

COUNTRY

The substr of string is:

COUNTR

Replace "Boy with Girl":

Good Girl..!

Convert string to upper case:

HELLO WORLD!

Convert string to lower case:

Try it

hello world!

concat:

Hey You!

Trim:

Hello World!

CharAt:

L

Array making:

A

Index is:

7

Search:

21

Include:

true

Math.round

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

Math.round(1.5)=2

Math.ceil()

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

Math.ceil(1.4)=2

JavaScript Math.floor()

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

Math.floor(1.8)=1

trunc()

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

Math.trunc(1.7)=1

Math.sign()

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

Math.sign(4)=1

Math.pow()

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

Math.pow(2,2)=4

Math.sqrt()

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

Math.sqrt(49)=7

Math.abs()

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

Math.abs(-4.4)=4.4

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

Math.random()

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

Math.random()=0.25550084138335794

Tip: Click on "Run" several times.

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:red;" >
BE THE ONE WHO EMIT POSITIVE RADIANT VIBES
</h1>
<button type="button" id="color-button" onclick="changeBg()">Click Here
</button>
<br>
<script>
document.writeln( "Click on button to change the background color");
const pageBody = document.querySelector("body");
function changeBg()
{
let color = '#'+(Math.random()*0xFFFFFFFF<<0).toString(16);

pageBody.style.background = color;
}
</script>
</body>
</html>
```

OUTPUT

BE THE ONE WHO EMIT POSITIVE RADIANT VIBES

Click Here

Click on button to change the background color

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: #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></th></tr>';
// 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 : 2000

Enter The Month: 10

Click me

MON	TUE	WED	THU	FRI	SAT	SUN
*	*	*	*	*	*	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	*	*	*	*	*

EXPERIMENT NO: 10**AIM**

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

PROGRAM CODE

```
<!DOCTYPE html>

<head>
    <title> 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 . ' - ' . $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><font color="red"> Electricity Bill</font></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

Electricity Bill

Total amount of 350 - 1745.00

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

```
<!DOCTYPE html>

<head>
<title> Arrays in php</title>
</head>
<?php

$Names=array("Name 1"=>"Chanchal","Name 2"=>"Keerthana","Name
3"=>"Ankitha");

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

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

asort($Names);
print_r($Names);

?>
<body>

</body>
</html>
```

OUTPUT

```
Array ( [Name 1] => Chanchal [Name 2] => Keerthana [Name 3] => Ankitha )
Array ( [Name 2] => Keerthana [Name 1] => Chanchal [Name 3] => Ankitha )
Array ( [Name 3] => Ankitha [Name 1] => Chanchal [Name 2] => Keerthana )
```

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**Book.html**

```
<html>

<head>

<title>book</title>

</head>

<body align="center"><u>BOOK INFORMATION SYSTEM</u><br>

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

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

</body>

</html>
```

addl.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">

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

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

</form>

</body>

</html>

search1.html

html>

<head>

<title>search</title>

</head>

<body>

<form name="frm2" action="search1.php"
method="POST">

<center>

<u>SEARCH A BOOK</u>

Enter book title:<input type="text" name="txt">

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

</center>

</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();
?>
```


search1.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();
?>

```

OUTPUT

```

MariaDB [fisatdb]> select * from Book;
+-----+-----+-----+-----+-----+
| accessno | title           | author       | edition | publisher |
+-----+-----+-----+-----+-----+
| 1012 | Alchemist       | Paulo Cheolo | 2018    | DC Books  |
| 1014 | Looking For Alaska | Jhon Green  | 2020    | DC Books  |
| 1016 | Pride and prejudice | Jane Austien | 2020    | DC Books  |
+-----+-----+-----+-----+-----+

```

connected 1016:Pride and prejudice:Jane Austien:2020:DC Books

EXPERIMENT NO: 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**main.html**

```
<?php
$sour=$_POST['sour'];
$des=$_POST['des'];
$con=new
mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected\n";
}
$sql="select * from airtable where Source='$sour' 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 "\n No flights are scheduled"; }
}
else
{
echo "\nError:could not connect"; }
$con->close();
?>
```

add.html

```

<html>
<head>
<title>add info</title></head>
<body>
<form name="frm1" action="add.php" method="POST">
FlightNo:<input type="text" name="num"><br>
Name:<input type="text" name="tit"><br>
Source:<input type="text" name="sour"><br>
Destination:<input type="text" name="des"><br>
Date:<input type="text" name="date"><br>
<input type="submit" name="Submit">

<input type="reset" name="Reset">
</form>
</body>
</html>

```

search.html

```

<html>
<head>
<title>search info</title>
</head>
<body>
<form name="frm2" action="search.php"
method="POST">
<center>
<b><u>SEARCH FLIGHT</u></b><br>
Enter the flight source:<input type="text" name="sour"><br>
Enter the flight destination:<input type="text" name="des"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>

```

add.php

```

<?php
$num=$_POST['num'];
$tit=$_POST['tit'];
$sour=$_POST['sour'];
$des=$_POST['des'];
$date=$_POST['date'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}

```

```

}
else
{
echo "connected";
}
$sql="INSERT INTO airtable VALUES($num,$tit','$sour','$des', '$date)";
if($con->query($sql))
{
echo "<BR>";echo 'New row added';
}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>

```

search.php

```

<?php
$sour=$_POST['sour'];
$des=$_POST['des'];
$con=new
mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "Connected";
echo "<br>";
}
$sql="select * from airtable where Source='$sour' and Destination='$des'";

if($result=$con->query($sql))
{
if($result->num_rows>0)
{
while($row=$result->fetch_array())
{

echo "<br>". "Flight Details:". $row[0]. " : ". $row[1]. " : ". $row[2]. " -- ". $row[3].
" : ". $row[4]. "<br>";

}

$result->close();

```

```

}
else

{
echo "\n No flights are scheduled"; }
}
else
{
echo "\nError:could not connect"; }
$con->close();
?>

```

OUTPUT

```

Database changed
MariaDB [fisatdb]> create table airtable(FlightNo integer(10),Name varchar(20),S
ource varchar(20),Destination varchar(20),Date varchar(20));
Query OK, 0 rows affected (0.110 sec)

```

```

MariaDB [fisatdb]> desc airtable;

```

Field	Type	Null	Key	Default	Extra
FlightNo	int(10)	YES		NULL	
Name	varchar(20)	YES		NULL	
Source	varchar(20)	YES		NULL	
Destination	varchar(20)	YES		NULL	
Date	varchar(20)	YES		NULL	

```

MariaDB [fisatdb]> select * from airtable;

```

FlightNo	Name	Source	Destination	Date
2022	Qatar Airways	Delhi	Oman	10/10/21
2023	Air Asia	Banglore	Frankfurt	11/10/21
2024	Indigo	Kannur	Banglore	14/10/21
2025	Air India	Kannur	Banglore	15/10/21
2026	Indigo	Banglore	Frankfurt	21/10/21
2028	Indigo	Kannur	Delhi	25/10/21

connected

Flight Details:2023:Air Asia:Banglore--Frankfurt:11/10/21

Flight Details:2026:Indigo:Banglore--Frankfurt:21/10/21