FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)™

HORMIS NAGAR, MOOKKANNOOR

ANGAMALY-683577

'FOCUS ON EXCELLENCE'

LABORATORY RECORD

20MCA133 - WEB PROGRAMMING LAB

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Semester: 1   **Batch: 2021 A**   **Roll No: 54**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY

(FISAT)™

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'FOCUS ON EXCELLENCE'

<u>CERTIFICATE</u>

This is to certify that this is a Bonafide record of the Practical work done by ***ELSAROSE K STANLY (FIT21MCA-2054)*** *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 examination   ………………………

Signature of   Signature of

Internal Examiner   External Examiner

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EXPERIMENT NO: 1

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

Source code

```
<!doctype html>
<html>
<head><title>pro1</title></head>
<body bgcolor="sky blue"><a href="bio.html">
<h1 align="center"><b><font color="RED"><u>KOMBIDY</u></font></b></h1><br><br>
<p><u><b><font color="red"><i>ERUMAPETTY</i></font></b></u></p>is a village
panchayath located in the <b><font color="white">Thrissur</font></b>district of Kerala
state,India.<br><img src="places.jpeg">
<b><font color="pink"><h3 align="left"><u>The nearest railway station in and around
Erumapetty</u></h3></font></b><br>
<p><i>The nearest railway station to <b>KOMBIDY</b>is Wadakkanchery which is located in
and around 9.5 kilometer distance.</i></p><br>
<ul><li><b>Wadakkanchery railway station </li>
<li>Amala Nagar railway station</li>
<li>Pattambi railway station</li></b></ul>
<img src="railway.jpeg">
</body></html>
```

EXPERIMENT NO: 2

Aim:

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

Source code

PROGRAM:CREATE A BIODATA APPLICATION

```html
<!doctype html>
<html>
<head><title>biodata</title></head>
<body>
<h1 align="center"<B><font color="RED">BIODATA</font></h1>
<table border="2" align="center">
<tr><th>NAME</th><td>ELSAROSE K STANLY</td></tr>
<tr><th>IMAGE</th><td><img src="MYPIC.png"alt="my picture"></td></tr>
<tr><th>AGE</th><td>21</td></tr>
<tr><th>GENDER</th><td>Female</td></tr>
<tr><th> EMAIL-ID</th><td>elsakstanly99@gmail.com</td></tr>
<tr><th>ADRESS</th><td>KADAMBTATTUPARAMBIL (H),Thrissur district</td></tr>
<tr><th>PLACE</th><td><a href="native1.html">KOMBIDY</a></td></tr>
<tr><th>QUALIFICATION</th><td><a href="college1.html">BCA</a></td></tr>
  </table></body></html>
```


BIODATA

NAME	ELSAROSE K STANLY
IMAGE	
AGE	21
GENDER	Female
EMAIL-ID	elsakstanly99@gmail.com
ADRESS	KADAMBTATTUPARAMBIL (H),Thrissur district
PLACE	KOMBIDY
QUALIFICATION	BCA

EXPERIMENT NO: 3

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

Source code

```html
<html>
<head>
<title> application forms </title>
</head>
<body bgcolor="grey" text = "black">
<form>
<center>
<div style="background-color:orange"">
<h1> APPLICATION FORM FOR MCA 2021-22 </h1>
</div>
<hr>
<table border="3" bgcolor= "white" >
<tr>
<td align="right">First Name:</td>
<td align="left"><input type="text" name="first"/></td> </tr>
<tr>
<td align="right">Last Name:</td>
<td align="left"><input type="text" name="last" /></td> </tr>
<tr>
<td align="right">Email:</td>
<td align="left"><input type="text" name="email" /></td> </tr>
<tr>
<td align="right">Age: </td>
<td align="left"><input type ="number" name="age"/></td> </tr>
<tr>
<td align="right"> DOB </td>
<td align="left"><input type ="date"/></td>
</tr>
<tr>
<td align="right">Address </td>
<td align="left"><textarea name="address" rows="5" cols="20"></textarea></td>
```

```
</tr>

<tr>

<td align="right"> city </td>

<td align="left"><input type ="text" name="city"/></td>

</tr>

<tr>

<td align="right"> state </td>

<td align="left"><input type ="text" name="state"/></td> </tr>

<tr>

<td align="right"> pincode </td>

<td align="left"><input type ="text" name="pincode"/></td> </tr>

<tr>

<td align="right"> graduated in </td>

<td align="left"><select> <option>BCA <option>Bsc.CS
<option>Bsc.MATHS <option>Bsc.PHYSICS <option>OTHERS </select></td>

</tr>

<tr>

<td align="right"> Hobbies</td>

<td align="left">Singing<input type ="radio" name="singing"/></td> </tr>

<tr>

<td align="right"></td>

<td align="left">Drawing<input type ="radio" name="draw"/></td> </tr>

<tr>

<td align="right"></td>

<td align="left">Dancing<input type ="radio" name="dance"/></td> </tr>

<tr>

<td align="right"></td>

<td align="left">Singing<input type ="radio" name="singing"/></td> </tr>

<tr>

<td align="right"></td>

<td align="left">others<input type ="radio" name="others"/></td>

</tr>

<tr>

<td align="right">Percentage of mark</td>
```
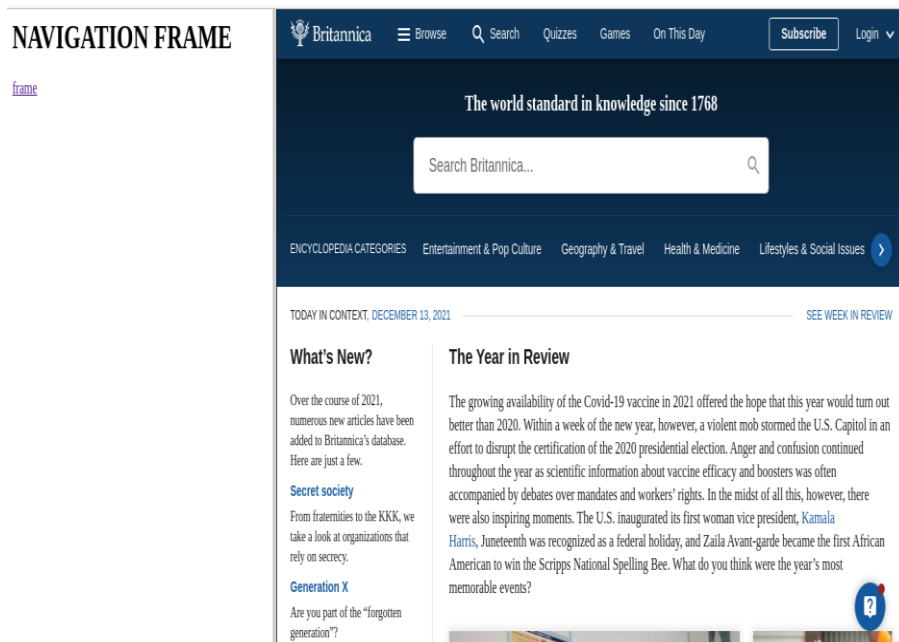
```
<td align="left"><input type="number" name="percentage" /></td> </tr>

<tr>

<td align="right">Grade:</td>

<td align="left"><input type="text" name="grade" /></td> </tr>

</table>

<br>

<input type="button" name="Submit" value="Sumbit">

<input type="button" name="Discard" value="Discard">

</center>

</form>

</body> <html>
```

Output

APPLICATION FORM FOR MCA 2021-22

First Name:
Last Name:
Email:
Age:
DOB dd-mm-yyyy
Address
city
state
pincode
graduated in BCA
Hobbies Singing ○
Drawing ○
Dancing ○
Singing ○
others ○
Percentage of mark
Grade:

Sumbit Discard

EXPERIMENT NO: 4

Aim:

Source code

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

NAVIGATION FRAME

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

<html>
<h1>NAVIGATION FRAME</h1>
<a href = "https://www.britannica.com/" target="showframe2">frame</a>
</html>
```


FLOATING FRAME

```
<html>
<body>
<p>
```

```
<iframe src="https://www.programmingwithbasics.com/2016/04/create-html-page-with-different-types.html" height="225" width="500">
</iframe>
</body>
</html>
```


MIXED FRAME

```
<html>
<frameset cols="30%,*">
<frame src="pic.html"></frame>
<frameset rows="50%,*">
<frame src="video.html" autostart="true">
<frame src="Q3.html" >
</frameset>
</frameset>
</html>
```

EXPERIMENT NO: 5

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

Source code

INTERNAL CSS

CODE:

```
<html>
<head>
<style>
body {background-color: 786D5F;}
h1 {color:red;}
p {color: whtie;}
p {border: blue;}
p {background-color: yellow ;}
b {fornt:areal}
h2 {color:green;}
</style>
</head>
<body>
<center><h1>NOKIA</h1></center>
<center><img src=
file:///home/stud/Downloads/Nokia_wordmark.svg.png
></center>
```

<p>Nokia Corporation (natively Nokia Oyj, referred to as Nokia; stylized as NOKIA)[a] is a Finnish multinational telecommunications, information technology, and consumer electronics company, founded in 1865. Nokia's main headquarters are in Espoo, Finland, in the greater Helsinki metropolitan area, but the company's actual roots are in the Tampere region of Pirkanmaa. In 2020, Nokia employed approximately 92,000 people across over 100 countries, did business in more than 130 countries, and reported annual revenues of around €23 billion.Nokia is a public limited company listed on the Helsinki Stock Exchange and New York Stock Exchange. It is the world's 415th-largest company measured by 2016 revenues according to the Fortune Global 500, having peaked at 85th place in 2009. It is a component of the Euro Stoxx 50 stock market index

</p>

<p> The company has operated in various industries over the past 150 years. It was founded as a pulp mill and had long been associated with rubber and cables, but since the 1990s has focused on large-scale telecommunications infrastructure, technology development, and licensing.[12] Nokia made significant contributions to the mobile telephony industry, assisting in the development of the GSM, 3G, and LTE standards. For a decade beginning in 1998, Nokia was the largest worldwide vendor of mobile phones

and smartphones. In the later 2000s, however, Nokia suffered from a series of poor management decisions, and soon saw its share of the mobile phone market drop sharply. After a partnership with Microsoft and Nokia's subsequent market struggles</p>

<p>The company was viewed with national pride by Finns, as its mobile phone business made it by far the largest worldwide company and brand from Finland.[27] At its peak in 2000, during the telecoms bubble, Nokia accounted for 4% of the country's GDP, 21% of total exports, and 70% of the Helsinki Stock Exchange market capital.[28][29]</p>

<h2>Nokia Networks</h2>

<p><b>Nokia Networks is Nokia Corporation's largest division..

t is a multinational data networking and telecommunications equipment company headquartered in Espoo, Finland</br>

</body>

</html>

INLINE CSS

CODE:

<html>

<head>

<title>css</title>

<link rel="stylesheet" type="text/css" href="css.css">

<style>

h2

{

color:green;

```
}
</style>
</head>
<body bgcolor="E5E4E2">
<h1 style="color:red">Essential Phone</h1>
<h2></h2>
<p>The Essential Phone (officially Phone or PH-1)[9] is a discontinued Android
smartphone designed by Android co-founder Andy Rubin, and manufactured,
developed and marketed by Essential Products. The phone was announced on May 30,
2017 and released on August 17, 2017.
.</p>
<h3>The Essential Phone has a titanium and ceramic body, an edge-to-edge display
protected by Gorilla Glass 5, and two rear cameras, one of which is dedicated to
black-and-white photography. Accompanying the phone is a 360-degree camera that
can be attached to the top of the device. It was notably also the first mainstream
smartphone to feature a "notch" (the cut-out at the top of the display to accommodate
a front-facing camera), which would eventually become a trend in the industry.[10]
On December 28, 2018, Essential announced to media outlets that they would
discontinue the Essential PH-1.[11].</h3>
<img src="
file:///home/stud/Downloads/download%20(1).jpeg
" width="200" height="150">
</body>
</html>
```

EXTERNAL CSS

CODE:

```
<html>
<head>
<link rel="stylesheet" href="external.css">
</head>
<body>
<h2>Google.inc</h2>
<h1>Google<h1>
```

<p> The relationship between Google and Wikipedia was originally collaborative in Wikipedia's early days, when Google helped reduce the pagerank of widespread uneditable Wikipedia clones that were simply ad farms. In 2007, Google introduced Knol, a direct competitor for community-driven encyclopedia creatio</p>

<p><b>Google LLC is an American multinational technology company that specializes in Internet-related services and products, which include online advertising ...

Sundar Pichai

He is the chief executive officer (CEO) of Alphabet Inc. and its subsidiary Google.

</br>

CSS FILE

CODE:

```
body {background-color: 786D5F;}
h1 {color:gold;}
p {color: black;}
p {border: burzna;}
p {background-color: #EE9A4D ;}
b {fornt:areal}
h2 {color:#131;}
```

Output

(internal css)

Essential Phone

The Essential Phone (officially Phone or PH-1)[9] is a discontinued Android smartphone designed by Android co-founder Andy Rubin, and manufactured, developed and marketed by Essential Products. The phone was announced on May 30, 2017 and released on August 17, 2017. .

The Essential Phone has a titanium and ceramic body, an edge-to-edge display protected by Gorilla Glass 5, and two rear cameras, one of which is dedicated to black-and-white photography. Accompanying the phone is a 360-degree camera that can be attached to the top of the device. It was notably also the first mainstream smartphone to feature a "notch" (the cut-out at the top of the display to accommodate a front-facing camera), which would eventually become a trend in the industry. [10] On December 28, 2018, Essential announced to media outlets that they would discontinue the Essential PH-1.[11].

(inline css)

The relationship between Google and Wikipedia was originally collaborative in Wikipedia's early days, when Google helped reduce the pagerank of widespread uneditable Wikipedia clones that were simply ad farms. In 2007, Google introduced Knol, a direct competitor for community-driven encyclopedia creatio

Google LLC is an American multinational technology company that specializes in Internet-related services and products, which include online advertising ...
Sundar Pichai He is the chief executive officer (CEO) of Alphabet Inc. and its subsidiary Google.

(External css)

EXPERIMENT NO:6
Aim:
Create a HTML registration form and to validate the form using JavaScript code
Source code

```html
<html>
<head>
<script>
function validate(){
var x = document.forms["form1"]["phone"].value;
if(x=="")
{
alert("required phone number");
}
var y = document.forms["form1"]["name"].value;
if(y=="")
{
alert("required a name ");
}
}
</script>
</head>
<body style="border:solid black 2px;"><center>MCA ADMISSION FORM</center>
<form name="form1" method="post" onsubmit="validate()">
<div align="center">
<br>
<label>Name:</label>
<input name="name" size="20" type="text" ><br>
<br>
<br>
<label>MOBILE:</label>
<input name="phone" size="20" type="number" ><br>
<br>
<br>
<div align="center">
<input type="submit" value="SUBMIT">
</div>
<br>
<br>
</form>
<br><br>
</body></html>
```

Output

This page says

required a name

OK

MOBILE: 9947960678

SUBMIT

EXPERIMENT NO: 7

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

```
<html>
<head>
<title>Program7</title>
</head>
<body>
<h3><u>Length</u></h3>
<p id="pgm"></p>
<h3><u>Slice</u></h3>
<p id="pgm1"></p>

<script>
var name = "ELSAROSE";
document.getElementById("pgm").innerHTML = name.length;
document.getElementById("pgm1").innerHTML = name.slice(2,5);
</script>

<h3><u>SubString</u></h3>
<p id="pgm2"></p>
<h3><u>SubStr</u></h3>
<p id="pgm3"></p>
<script>
let str = "eye, ears, nose";
document.getElementById("pgm2").innerHTML = str.substring(4,9);
document.getElementById("pgm3").innerHTML = str.substr(4,3);
</script>

<h3><u>Replace</u></h3>
<p id="pgm4">lets fly high and high</p>
<script>
function myfun()
{
var str = "lets fly high and high";
document.getElementById("pgm4").innerHTML = str.replace(/high/g , "up");
}
</script>
<button onclick="myfun()">click here</button>

<h3><u>ToUppercase</u></h3>
<p id="pgm5">elsarose</p>
<script>
function myfun1()
{
var str = "emelsha";
```

```
document.getElementById("pgm5").innerHTML = str.toUpperCase();
}
</script>
<button onclick="myfun1()">click here</button>
```

```
<h3><u>ToLowercase</u></h3>
<p id="pgm6">ELSAROSE</p>
<script>
function myfun2()
{
var str1 = "ELSAROSE";
document.getElementById("pgm6").innerHTML = str1.toLowerCase();
}
</script>
<button onclick="myfun2()">click here</button>
```

```
<h3><u>Concat</u></h3>
<script>
var txt1 = "Elsa";
var txt2 = "rose";
var txt3 = txt1.concat(" ",txt2);
document.write(txt3);
</script>
```

```
<h3><u>Trim</u></h3>
<script>
var txt1 = "    Elsa          elsu          ";
var txt2 = txt1.trim();
document.write(txt2);
</script>
```

```
<h3><u>CharAt</u></h3>
<script>
var word="Wipro";
var word1 = word.charAt(1);
document.write(word1);
</script>
```

```
<h3><u>IndexOf</u></h3>
<script>
var wrd = "Microsoft is an American Company";
document.write(wrd, "<br>");
let res = wrd.indexOf("is");
document.write(res);
</script>
```

```
<h3><u>Search</u></h3>
```

```
<script>
var wrd1 = "Gandhiji is the father of nation";
document.write(wrd1, "<br>");
let pos = wrd1.search("father");
document.write(pos);
</script>

<h3><u>includes</u></h3>
<script>
var texts = "Gandhiji is the father of nation";
document.write(texts,"<br>");
let inc = texts.includes("of");
document.write(inc);
</script>

<h3><u>string to array</u></h3>
<script>
const name="abi";
list=Array.from(name);
document.write("[",list,"]");
</script>
</body>
</html>
```

OUTPUT:

Concat

Elsa rose

Trim

Elsa elsu

CharAt

i

IndexOf

Microsoft is an American Company
10

Search

Gandhiji is the father of nation
16

includes

Gandhiji is the father of nation
true

string to array

[a,b,i]

Length

8

Slice

SAR

SubString

ears

SubStr

ea

Replace

lets fly high and high

[click here]

ToUppercase

elsarose

[click here]

ToLowercase

ELSAROSE

EXPERIMENT NO:8

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>

<script>

Round_Ceil_Floor_trunc_sign_pow_sqrt_abs_sin_cos_min_max_log

rounded value3
ceil value11
floor value10
trunc value11
sign is-1
power is1000
square is2
absolute value3.3
sin value1
cos value1
min value-9
max value6
log value0

Random

0.41395204845360634
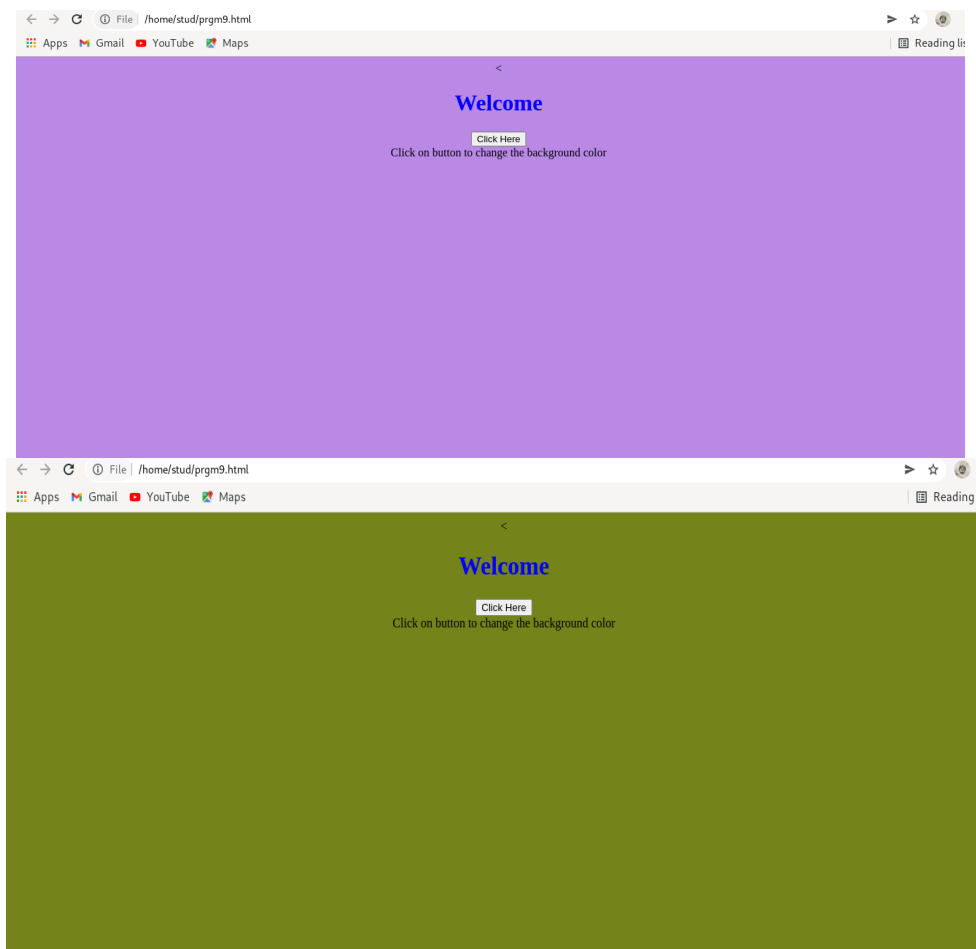
document.writeln("Click on button to change the background color");

const pageBody = document.querySelector("body");

```
function changeBg()
{
let color = '#'+(Math.random()*0xFFFFFF<<0).toString(16);

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

Output

EXPERIMENT NO:9

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

Source code

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

<body>
<b>CALENDAR</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 here</button>

<div id="calendar"></div>

<script>

function calculate()  {

   var year = document.getElementById("cal").value;
   var month = document.getElementById("month").value;
   createCalendar(year,month);
}
function getDay(date) {
   let day = date.getDay();
   if (day == 0) day = 7;
   return day - 1;
}
function createCalendar(year, month) {
   let mon = month - 1;
```

```
    let d = new Date(year, mon);
    let table =

'<table><tr><th>MON</th><th>TUE</th><th>WED</th><th>THU</th><th>FRI</th><th>SAT</th><th>SUN</th></tr><tr>';
    for (let i = 0; i < getDay(d); i++) {
    table += '<td>*</td>';
    }

    while (d.getMonth() == mon) {
    table += '<td>' + d.getDate() + '</td>';
    if (getDay(d) % 7 == 6) {
    table += '</tr><tr>';
    }

    d.setDate(d.getDate() + 1);
    }
    if (getDay(d) != 0) {
    for (let i = getDay(d); i < 7; i++) {
    table += '<td>*</td>';
    }
    }
    table += '</tr></table>';
    document.getElementById("calendar").innerHTML = table;
}
createCalendar(calendar, year, month);
</script>
</body>
</html>
```
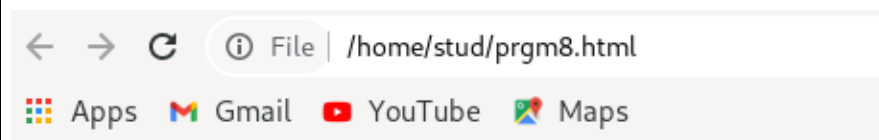
Output

EXPERIMENT NO:10

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

Source code

```php
<!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 = '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>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>
```
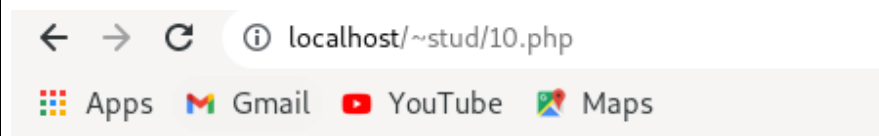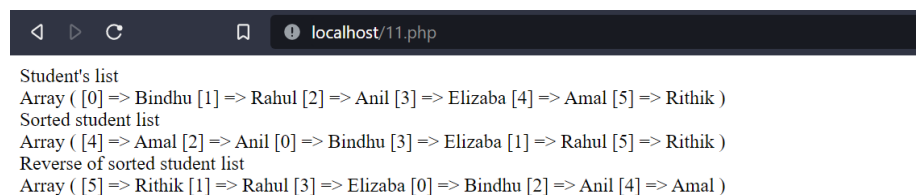PHP

Output

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.

Source code

```php
<?php
$student=array("Bindhu","Rahul","Anil","Elizaba","Amal","Rithik");
echo "Student's list";
echo "<br>";
print_r($student);
echo "<br>";
echo "Sorted student list";
echo "<br>";
asort($student);
print_r($student);
echo "<br>";
echo "Reverse of sorted student list";
echo "<br>";
arsort($student);
print_r($student);
?>
```

Output

```
◁  ▷  C                    🔖   🛈 localhost/11.php

Student's list
Array ( [0] => Bindhu [1] => Rahul [2] => Anil [3] => Elizaba [4] => Amal [5] => Rithik )
Sorted student list
Array ( [4] => Amal [2] => Anil [0] => Bindhu [3] => Elizaba [1] => Rahul [5] => Rithik )
Reverse of sorted student list
Array ( [5] => Rithik [1] => Rahul [3] => Elizaba [0] => Bindhu [2] => Anil [4] => Amal )
```

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.

Source code

```php
<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>";
?>
 Department of Computer Applications
Federal Institute of Science and Technology (FISAT) TM Page no
62
</body>
</html>
```

Output

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

INDIAN CRICKETERS

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

EXPERIMENT 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.

Source code

Bookinfo.html

```
<html>
<head>
<title>BOOK INFORMATION</title>
</head>
<center>
<body align="center"><font size="20"><b><u>BOOK INFORMATION
SYSTEM</u></b><br><br><br>
<table border="2" cellpadding="10" cellspacing="10">
<th>
<a href="add.html">Add Book</a><br>
</th>
<th>
<a href="search.html">Search Book</a><br>
</th>
</body>
</html>
```
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><br>

Enter book title:<input type="text" name="txt"><br>
<input type="submit" name="Submit">
</center>
</form>
```

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

Add.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><br>
<table border="1" cellpadding="6" cellspacing="2" align="center">
<tr>
<td>
Access Number:</td><td><input type="text" name="num">
</td></tr><tr><td>
Title:</td><td><input type="text" name="tit">
</td></tr><tr><td>
Author:</td><td><input type="text" name="author">
</td></tr><tr><td>
Edition:</td><td><input type="text" name="edi">
</td></tr><tr><td>
Publisher: </td><td><input type="text" name="pub">
</td></tr><tr><td>
<input type="submit" name="Submit">
</td><td>
<input type="reset" name="Reset">
</td>
</form>
</body>
</html>
```
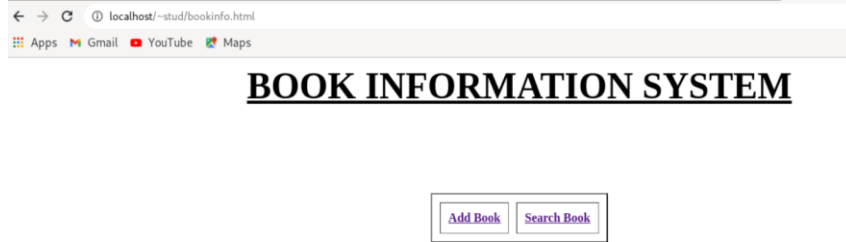
Addl.php

```
<?php
$num=$_POST['num'];
$title=$_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"; }
$sql="INSERT INTO booksystem VALUES($num,'$title','$author','$edi','$pub')";
if($con->query($sql))
{
echo "<BR>";
echo 'New row added';
```

```php
}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>
Searchl.php
<?php
$title=$_POST['txt'];
$con=new
mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected\n";
}
$sql="select * from booksystem where
Title='$title'";

if($result=$con->query($sql))
{
if($result->num_rows>0)
{
while($row=$result->fetch_array())
{ echo
"\n".$row[0].":".$row[1].":".$row[2].":".$row[3].":".
$row[4]."\n";}
$result->close();
}else
{ echo "\nCould not found the book"; }
}
else
{ echo "\nError:could not connect"; }
$con->close();
?>
```

Output:

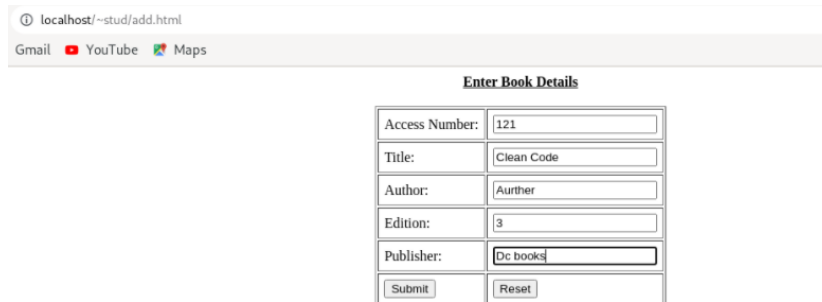BOOK INFORMATION SYSTEM

book.html

Enter Book Details

Access Number:	121
Title:	Clean Code
Author:	Aurther
Edition:	3
Publisher:	Dc books
Submit	Reset

add.html

connected
New row added

addl.php

search.html


```
2 rows in set (0.001 sec)

MariaDB [fisatdb]> desc booksystem;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| accessnumber | int(20)     | NO   | PRI | NULL    |       |
| title        | varchar(25) | NO   |     | NULL    |       |
| author       | varchar(25) | NO   |     | NULL    |       |
| edition      | int(20)     | NO   |     | NULL    |       |
| publisher    | varchar(30) | NO   |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
5 rows in set (0.002 sec)

MariaDB [fisatdb]> select*from booksystem;
+--------------+------------+---------+---------+-----------+
| accessnumber | title      | author  | edition | publisher |
+--------------+------------+---------+---------+-----------+
|          111 | a          | ss      |       1 | ff        |
|          121 | Clean Code | Aurther |       3 | Dc books  |
+--------------+------------+---------+---------+-----------+
2 rows in set (0.000 sec)
```

terminal

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.

Source code

Airlineinfo.html

```
<html>
<head>
<title>FLIGHT INFORMATION</title>
</head>
<center>
<body align="center"><font size="20"><b><u>FLIGHT INFORMATION
SYSTEM</u></b><br><br><br>
<table border="2" cellpadding="10" cellspacing="10">
<th>
<a href="add.html">Add Flight Details</a><br>
</th>
<th>
<a href="search.html">Search Flights</a><br>
</th>
</body>
</html>
```

Add.html

```
<html><head>
<title>ADD FLIGHT DEIAILS</title></head>
<body>
<form name="frm1" action="addl.php" method="POST">
<center><b><u>Enter Flight Details</u></b><br><br>
<table border="1" cellpadding="6" cellspacing="2" align="center">
<tr>
<td>
Flight Number:</td><td><input type="text" name="num">
</td></tr><tr><td>
Flight Name:</td><td><input type="text" name="tit">
</td></tr><tr><td>
```

Source:</td><td><input type="text" name="author">

</td></tr><tr><td>

Destination:</td><td><input type="text" name="edi">

</td></tr><tr><td>

Date and Time of Depatrure:</td><td><input type="datetime-local" name="pub">

</td></tr><tr><td>

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

</td><td>

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

</td>

</form>

</body>

</html>

Search.html

<html>

<head>

<title>SEARCH</title>

</head>

<body>

<form name="frm2" action="searchl.php"

method="POST">

<center>

<u>SEARCH FLIGHT</u>

<table border="1" cellpadding="6" cellspacing="2" align="center">

<tr>

<td>

Source:</td><td><input type="text" name="num">

</td></tr><tr><td>

Destination:</td><td><input type="text" name="tit">

</td></tr>

</table>

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

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

Add.php

```php
<?php
$num=$_POST['num'];
$title=$_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"; }
$sql="INSERT INTO flightsystem VALUES($num,'$title','$author','$edi','$pub')";
if($con->query($sql))
{
echo "<BR>";
echo 'New row added';
'}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>
```

Search.php

```php
<?php
$num=$_POST['num'];
$title=$_POST['tit'];
```

```php
$con=new
mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected\n";
}
$sql="select * from flightsystem where source='$num' and destination='$title'";
if($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 find the flights"; }
}
else
{ echo "\nError:could not connect"; }
$con->close();
?>
```

Output

FLIGHT INFORMATION SYSTEM

Add Flight Details | Search Flights

Airlineinfo.html

Enter Flight Details

Flight Number:	
Flight Name:	
Source:	
Destination:	
Date and Time of Depatrure:	dd/mm/yyyy, --:--
Submit	Reset

Add.html

SEARCH FLIGHT

Source:	
Destination:	

Submit

```
F
MariaDB [fisatdb]> desc flightsystem;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| fnumber     | int(20)     | NO   | PRI | NULL    |       |
| name        | varchar(25) | NO   |     | NULL    |       |
| source      | varchar(25) | NO   |     | NULL    |       |
| destination | varchar(25) | NO   |     | NULL    |       |
| date        | datetime    | NO   |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (0.001 sec)

MariaDB [fisatdb]> select * from flightsystem;
+---------+------+--------+-------------+---------------------+
| fnumber | name | source | destination | date                |
+---------+------+--------+-------------+---------------------+
|    1024 | Java | Vegas  | California  | 2022-01-12 16:12:00 |
+---------+------+--------+-------------+---------------------+
1 row in set (0.000 sec)
```

Terminal