

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)TM

HORMIS NAGAR, MOOKKANNOOR

ANGAMALY-683577



'FOCUS ON EXCELLENCE'

LABORATORY RECORD

20MCA133 - WEB PROGRAMMING LAB

Name: GOPIKA BABU

Branch: MASTER OF COMPUTER APPLICATIONS

Semester: 1 Batch: 2021 A Roll No: 60

University Registration Number: FIT21MCA-2060

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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY

(FISAT)TM

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‘FOCUS ON EXCELLENCE’

CERTIFICATE

*This is to certify that this is the Bonafide record of the Practical work done by Mrs. **GOPIKA BABU** (FIT21MCA-2060) 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

CONTENT

SI No:	Date :	Name of Experiment:	Page No:	Signature of Staff –In – Charge:
1	01/11/21	Create a simple html file to demonstrate the use of different tags.		
2	01/11/21	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		
3	08/11/21	Create an application form for MCA course in FISAT.		
4	22/11/21	Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.		
5	22/11/21	Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.		
6	13/12/21	Create a HTML registration form and to validate the form using JavaScript code		
7	03/01/22	Create a HTML page to explain the use of various predefined functions in a string and math objects in JavaScript		
8	03/01/22	Create a HTML page to change the background color for every click of a button using JavaScript Event Handling		
9	03/01/22	Generate the calendar using JavaScript code by getting the year and month from the user.		

10	10/01/22	Compose Electricity bill from user input based on a given tariff using PHP.		
11	10/01/22	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.		
12	10/01/22	Build a PHP code to store name of Indian Cricket players in an array and display the same in HTML table.		
13	17/01/22	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		
14	17/01/22	Using PHP and MySQL, develop a program to collect airline details and display all the airlines between a particular source and destination.		

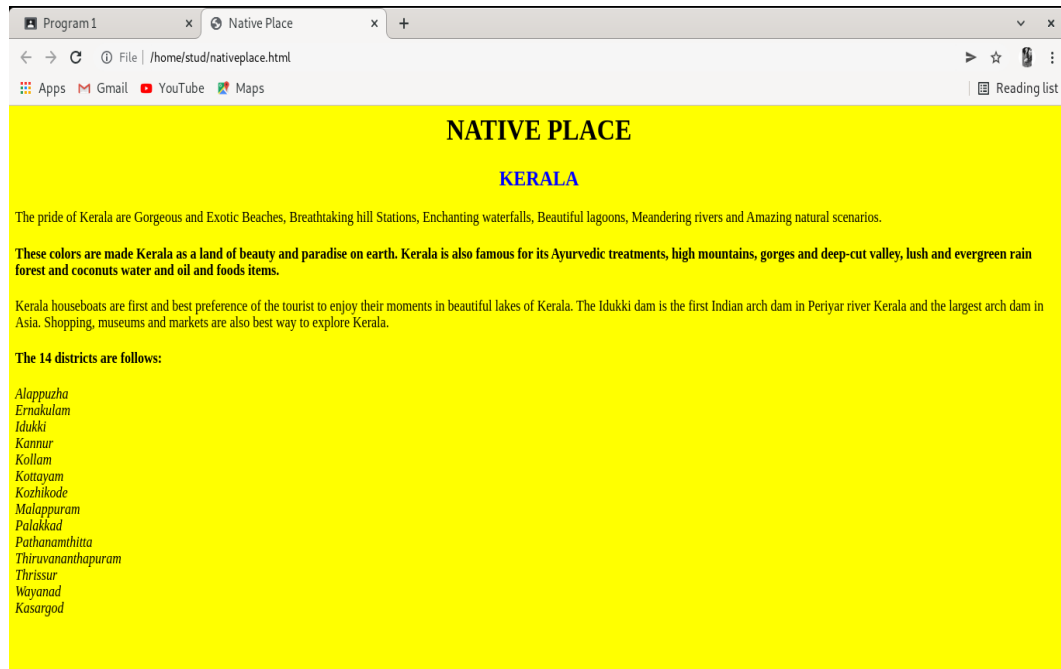
PROGRAM-1

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

Source code

```
<html>
<head>
<title>Native Place</title>
</head>
<body bgcolor="yellow">
<h1 align="center">NATIVE PLACE</h1>
<font color="blue">
<h2 align="center">KERALA</h2></font>
<boldface>The pride of Kerala are Gorgeous and Exotic Beaches, Breathtaking hill
Stations, Enchanting waterfalls, Beautiful lagoons, Meandering rivers and Amazing
natural scenarios. <h4>These colors are made Kerala as a land of beauty and paradise
on earth. Kerala is also famous for its Ayurvedic treatments, high mountains, gorges
and deep-cut valley, lush and evergreen rain forest and coconuts water and oil and
foods items.</h4> Kerala houseboats are first and best preference of the tourist to
enjoy their moments in beautiful lakes of Kerala. The Idukki dam is the first Indian
arch dam in Periyar river Kerala and the largest arch dam in Asia. Shopping,
museums and markets are also best way to explore Kerala.</boldface></br>
<h4>The 14 districts are follows:</h4>
<em>Alappuzha</em></br>
<em>Ernakulam</em></br>
<em>Idukki</em></br>
<em>Kannur</em></br>
<em>Kollam</em></br>
<em>Kottayam</em></br>
<em>Kozhikode</em></br>
<em>Malappuram</em></br>
<em>Palakkad</em></br>
<em>Pathanamthitta</em></br>
<em>Thiruvananthapuram</em></br>
<em>Thrissur</em></br>
<em>Wayanad</em></br>
<em>Kasargod</em></br>
```

Output



PROGRAM-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

```
<html>
<head>
<title>biodata creation</title>
</head>
<body>
<h1 align="center">BIODATA</h1>
<font color="red">
<h2>Personal Details</h2><font color="black">
<p>
<strong>NAME :Gopika Babu</strong></br>
<strong>DOB :20/10/1999</strong></br>
<strong>ADDRESS :Thenayi House, Kanjoor P.O,683575</strong></br>
<strong>State :Kerala</strong></br>
<strong>Nationality :Indian</strong></br>
<strong>Religion :Hindu</strong></br>
<strong>Father's name :P G BABU SUNDARAN</strong></br>
<strong>Mother's name :SAJITHA BABU</strong>
<font color="red">
<h2>Contact Details</h2><font color="black">
<strong>PHONE NUMBER :8590843988</strong></br>
<strong>EMAIL ID :gopikababu020@gmail.com</strong></br><font color="red"><br>
<a href="education.html">Academic Details</a>
</body>
</html>
```

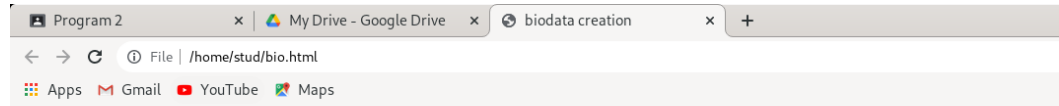
```
<html>
<body><br><br>
<table width="600" border="2" align="center">
<tr>
<td>SSLC</td>
<td>Anita Vidyalaya, Thannipuzha</td>
<td>90%</td>
</tr>
<tr>
<td>Plus two</td>
<td>NSSBHSS Manickamangalam</td>
<td>92%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
```

```

<td>Degree</td>
<td>Marthoma College, Perumbavoor</td>
<td>77.9%</td>
</tr>

```

Output



BIODATA

Personal Details

NAME :Gopika Babu
DOB :20/10/1999
ADDRESS :Thenayi House, Kanjoor P.O,683575
State :Kerala
Nationality :Indian
Religion :Hindu
Father's name :P G BABU SUNDARAN
Mother's name :SAJITHA BABU

Contact Details

PHONE NUMBER :8590843988
EMAIL ID :gopikababu020@gmail.com

[Academic Details](#)

SSLC	Anita Vidyalaya, Thannipuzha	90%
Plus two	NSSBHSS Manickamangalam	92%
Degree	Marthoma College, Perumbavoor	77.9%

PROGRAM-3

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

Source code

```
<html>
<head>
<title>ADMISSION FORM</title>
<body bgcolor="pink">
<h1 align="center">Application for MCA admission 2021</h1>
<h2>Basic details</h2>
<form>
<table>
<tr>
<td>Name:</td>
<td><input type="text" name="name"/></td>
</tr>
<tr>
<td>Permanent Address:</td>
<td><input type="text" name="permanent address"/></td>
</tr>
<tr>
<td>City:</td>
<td><input type="text" name="city"/></td>
</tr>
<tr>
<td>State:</td>
<td><input type="text" name="state"/></td>
</tr>
<tr>
<td>Country:</td>
<td><input type="text" name="country"/></td>
</tr>
<tr>
<td>Pincode:</td>
<td><input type="text" name="pincode"/></td>
</tr>
<tr>
<td>Moblie Number:</td>
<td><input type="text" name="moblie number"/></td>
</tr>
<tr>
<td>Email:</td>
<td><input type="text" name="Email"/></td>
</tr>
<tr>
<td>Nationality:</td>
<td><input type="text" name="nationality"/></td>
</tr>
```

```

<tr>
<td>Gender:</td>
<td>male:<input type="radio" name="gender" value="male"/>
female:<input type="radio" name="gender" value="female"/></td>
</tr>
<tr>
<td>Date of Birth:</td>
<td><input type="date" name="date"/></td>
</tr>
<tr>
<td>Father's name:</td>
<td><input type="text" name="name"/></td>
</tr>
<tr>
<td>occupation:</td>
<td><input type="text" name="name"/></td>
</tr>
<tr>
<td>Mother's name:</td>
<td><input type="text" name="name"/></td>
</tr>
<tr>
<td>occupation:</td>
<td><input type="text" name="name"/></td>
</tr>
<tr>
<td>annual income:</td>
<td><input type="text" name="income"/></td>
</tr>

<tr>
<td>
<input type="button" name="submit" value="submit"/>
</td>
</tr>

```

Output

Activities Google Chrome Dec 13 14:03

Classroom | Google for Education | Program 3 | ADMISSION FORM

File | /home/stud/bbb.html

Apps Mail YouTube Maps Reading list

Application for MCA admission 2021

Basic details

Name:

Permanent Address:

City:

State:

Country:

Pincode:

Mobile Number:

Email:

Nationality:

Gender: male: ☐ female: ☐

Date of Birth:

Father's name:

occupation:

Mother's name:

occupation:

annual income:

PROGRAM-4**Aim:**

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

Source code

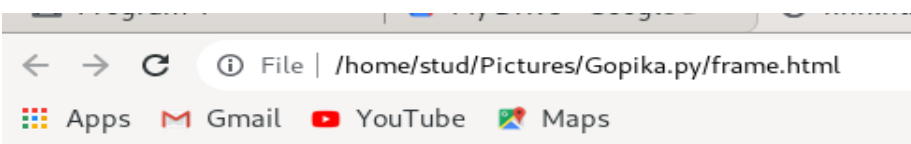
```
<html>
<frameset cols ="100,*">
<frame src ="a.html">
<frame src = "s.html" name="showframe">
</frameset>
</html>
```

```
<html>
<head>
<body>
<h2>HTML</h2>
<a href="floating.html"target="showframe">click here</a>
</head>
</body>
</html>
```

```
<html>
<h3>Floating frame<h3>
<h3>Navigation frame<h3>
<h3>Mixed frame<h3>
```

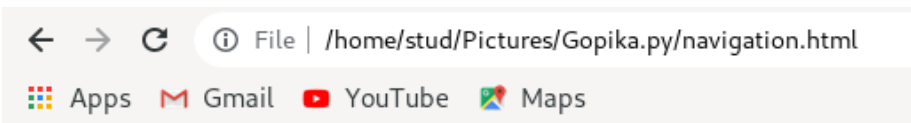
```
<html>
<h3>HTML is the Hypertext Markup Language creating Web pages.
HTML describes the structure of a Web page</h3>
</html>
```

```
<html>
<title>FRAMES</title>
<h1>HTML</h1>
<iframe src=floating.html>
<frame src=a.html>
</iframe>
```



HTML

HTML is the Hypertext Markup Language creating Web pages. HTML describes the structure of a Web page



HTML

[click here](#)

Floating frame

Navigation frame

Mixed frame

```
<html>
```

```
<frameset cols="25%,*" scrolling="no" noresize>
```

```
<frame name="image1" src="sa.html"></frame>
```

```
<frameset rows="50%,*" scrolling="ab.html" noresize>
```

```
<frame name="image2" src="o.html"></frame>
```

```
<frame name="image3" src="d.html"></frame>
```

```
</frameset>
```

```
</html>
```

Apps Gmail YouTube Maps

HTML is a hypertext markup language. HyperText Markup Language (HTML) is the set of markup symbols or codes inserted into a file intended for display on the Internet. The markup tells web browsers how to display a web page's words and images.

Frames are mixed frame, floating frame, navigation frame HTML stands for Hyper Text Markup Language. HTML is the standard markup language for creating Web pages. HTML describes the structure of a Web page. HTML consists of a series of elements. HTML elements tell the browser how to display the content.

HTML provides programmers for dividing a single browser display into multiple window sections, where each section holds the capability to load individual URLs. This concept of HTML providing multiple frames at one browser display is called frameset, and all the frame tags are used within the container tag.

PROGRAM-5

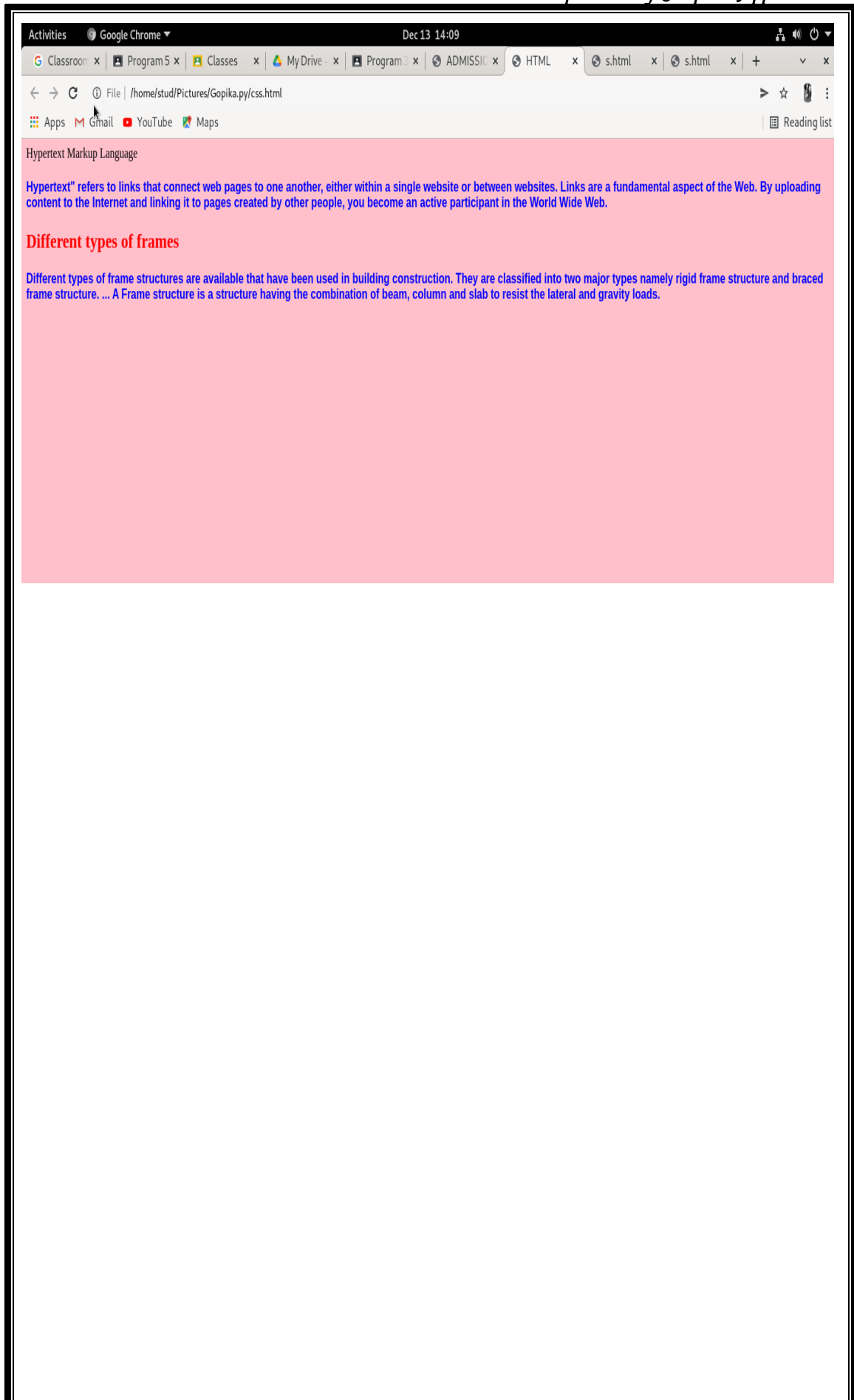
Aim: Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.

Source code

```
<html>
<head>
<title>HTML</title>
<style>
h4{
color:green;
font-family:arial;
}
</style>
</head>
</body>
<link rel="stylesheet" type="text/css" href="abc.css"
<h1>Hypertext Markup Language</h1>
<h4>Hypertext" refers to links that connect web pages to one another, either within a
single website or between websites. Links are a fundamental aspect of the Web. By
uploading content to the Internet and linking it to pages created by other people, you
become an active participant in the World Wide Web.</h4>
<h2 style="color:red">Different types of frames</h2>
<h4>Different types of frame structures are available that have been used in building
construction. They are classified into two major types namely rigid frame structure
and braced frame structure. ... A Frame structure is a structure having the combination
of beam, column and slab to resist the lateral and gravity loads.</h4>
</html>
</head>

body{
background-color:pink;
}
h4{
color:blue;
}
```

Output



PROGRAM-6**Aim:**

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

Source code

```

<html>
<head>
<script>
function validate(){

var x = document.forms["form1"]["email"].value;
if(x=="")
{
alert("enter email");
}
var y = document.forms["form1"]["name"].value;
if(y=="")
{
alert("enter required 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>Email:</label>
<input name="email" size="20" type="email" ><br>
<br>
<br>
<label>password:</label>
<input name="pwd" size="20" type="password" ><br>
<br>
<br>
<label>confirm password:</label>
<input name="pwd" size="20" type="password" ><br>
<br>
<br>
<label>MOBILE:</label>
<input name="phone" size="20" type="number" ><br>
<br>
<br>

```



```
<div align="center">  
<input type="submit" value="REGISTER">  
  
</div>  
<br>  
<br>  
</form>  
<br><br>  
</body></html>
```

Output

MCA ADMISSION FORM

Name:

Email:

password:

confirm password:

MOBILE:

🔍 | /home/stud/j.html

📺 YouTube 🗺 Maps

This page says
enter required name

OK

Email:

password:

confirm password:

MOBILE:

PROGRAM-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)

Source code**Length**

```
<html>
<body>
<h2>JavaScript String length</h2>
<p id="namelength"></p>
<script>
let text = "GOKUL";
document.getElementById("namelength").innerHTML = text.length;
</script>
</body>
</html>
```

SLICE

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript String slice</h2>
<p id="nameslice"></p>
<script>
let str = "GOKULSURESH";
document.getElementById("nameslice").innerHTML = str.slice(0,8);
</script>
</body>
</html>
```

SUBSTRING

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript String substring</h2>
<p id="subs"></p>
<script>
let str = "GOKUL,RAHUL,AUKUL";
document.getElementById("subs").innerHTML = str.substring(7,13);
</script>
</body>
</html>
```

SUBSTR

```

<!DOCTYPE html>
<html>
<body>
<h2>JavaScript String Methods</h2>
<p>The substr() method extract a part of a string
and returns the extracted parts in a new string:</p>
<p id="demo"></p>
<script>
let str = "GOKUL,RAHUL,AKUL";
document.getElementById("demo").innerHTML = str.substr(5,6);
</script>
</body>
</html>

```

STRING REPLACE

```

<!DOCTYPE html>
<html>
<body>
<h2>JavaScript String replace</h2>
<button onclick="myFunction()">replace</button>
<p id="click">Please visit APPLE!</p>
<script>
function myFunction() {
  let text = document.getElementById("click").innerHTML;
  document.getElementById("click").innerHTML =
    text.replace("APPLE","GOOGLE");
}
</script>
</body>
</html>

```

TO UPPERCASE&TO LOWERCASE

```

<!DOCTYPE html>
<html>
<body>
<h2>JavaScript String uppercase</h2>
<button onclick="myFunction()">click to upcase</button>
<button onclick="myFunction1()">click to lowcase</button>
<p id="demo">INDIA is MY country</p>
<script>
function myFunction() {
  let text = document.getElementById("demo").innerHTML;
  document.getElementById("demo").innerHTML =
    text.toUpperCase();
}
function myFunction1() {
  let text = document.getElementById("demo").innerHTML;
  document.getElementById("demo").innerHTML =
    text.toLowerCase();
}
</script>

```

```
</body>
```

```
</html>
```

STRING CONCAT

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript String concat</h2>
```

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

```
<script>
```

```
let text1 = "india";
```

```
let text2 = "is";
```

```
let text3 = "my country";
```

```
let text4 = text1.concat(" ",text2);
```

```
let text5 = text4.concat(" ",text3);
```

```
document.getElementById("demo").innerHTML = text5;
```

```
</script>
```

```
</body>
```

```
</html>
```

TRIM

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>JavaScript trim</h1>
```

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

```
<script>
```

```
let text1 = "   oopss   ";
```

```
let text2 = text1.trim();
```

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

```
"Length1 text1=" + text1.length + "<br>Length2 text2=" + text2.length;
```

```
</script>
```

```
</body>
```

```
</html>
```

CHARAT()

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript String charat</h2>
```

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

```
<script>
```

```
var text = "gokul";
```

```
document.getElementById("demo").innerHTML = text.charAt(7);
```

```
</script>
```

```
</body>
```

```
</html>
```

STRING TO ARRAY

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript String to array</h2>
```

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

```
<script>
let text = "india*is*my*country";
const myArray = text.split("*");
document.getElementById("demo").innerHTML = myArray[0];
</script>
```

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

INDEX OF

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript String index</h2>
<p id="demo"></p>
<script>
let str = "find the index of gokul";
document.getElementById("demo").innerHTML = str.indexOf("gokul");
</script>
</body>
</html>
```

SEARCH

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript String search</h2>
<p id="demo"></p>
<script>
let str = "find farzee from the name gokul";
document.getElementById("demo").innerHTML = str.search("gokul");
</script>
</body>
</html>
```

INCLUDE

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript String include</h2>
<p id="demo"></p>
<script>
let text = "Hello gokul, welcome to the milkyway.";
document.getElementById("demo").innerHTML = text.includes("gokul");
</script>
</body>
</html>
```

MATH FUNCTIONS

```

<!DOCTYPE html>
<html>
<body>
<h2>JavaScript Math.round()</h2>
<p id="demo"></p>
<p id="demo1"></p>
<p id="demo2"></p>
<p id="demo3"></p>
<p id="demo4"></p>
<p id="demo5"></p>
<p id="demo6"></p>
<p id="demo7"></p>
<p id="demo8"></p>
<p id="demo9"></p>
<p>Angle in radians = (angle in degrees) * PI / 180.</p>
<p id="demo10"></p>
<p id="demo11"></p>
<p id="demo12"></p>
<p id="demo13"></p>
<script>
document.getElementById("demo").innerHTML = Math.round(4.5);
document.getElementById("demo1").innerHTML = Math.ceil(4.4);
document.getElementById("demo2").innerHTML = Math.floor(4.7);
document.getElementById("demo3").innerHTML = Math.trunc(4.7);
document.getElementById("demo4").innerHTML = Math.sign(4);
document.getElementById("demo5").innerHTML = Math.sign(-4);
document.getElementById("demo6").innerHTML = Math.sign();
document.getElementById("demo7").innerHTML = Math.pow(8,2);
document.getElementById("demo8").innerHTML = Math.sqrt(64);
document.getElementById("demo9").innerHTML = Math.abs(-4.4);
document.getElementById("demo10").innerHTML =
"The sine value of 90 degrees is " + Math.sin(90 * Math.PI / 180);
document.getElementById("demo11").innerHTML =
"The cosine value of 0 degrees is " + Math.cos(0 * Math.PI / 180);
document.getElementById("demo12").innerHTML =
Math.max(0, 150, 30, 20, -8, -200);
document.getElementById("demo13").innerHTML = Math.random();
</script>
</body>
</html>

```

LOG FN

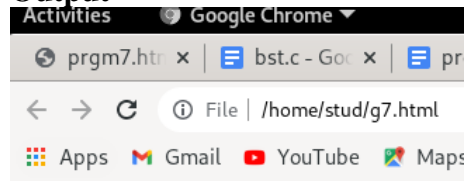
```

<!DOCTYPE html>
<html>
<body>
<h2>JavaScript Math.log()</h2>
<p id="demo"></p>
<script>
document.getElementById("demo").innerHTML = Math.log(6);
</script>

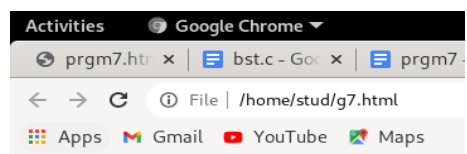
```

</body>

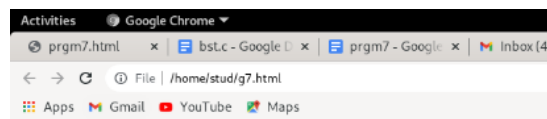
</html>

Output**JavaScript String length**

5

**JavaScript String slice**

GOKULSUR

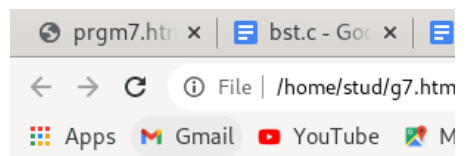
**JavaScript String Methods**

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

JavaScript trim

Length1 text1=14

Length2 text2=5

**JavaScript String substring**

AHUL,A

← → ↻ ⓘ File | /home/stud/g7.html
 Apps Gmail YouTube Ma

JavaScript String search

26

← → ↻ ⓘ File | /home/stud/g7.html
 Apps Gmail YouTube Maps

JavaScript String include

true

← → ↻ ⓘ File | /home/stud/g7.html
 Apps Gmail YouTube Maps

JavaScript Math.round()

5
5
4
4
1
-1
NaN
64
8
4.4

Angle in radians = (angle in degrees) * PI / 180.

The sine value of 90 degrees is 1

The cosine value of 0 degrees is 1

150
0.4133765415928534

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JavaScript String charat

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JavaScript String index

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Activities

Google Chrome

prgm7.html x bst.c - Google D x

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JavaScript Math.log()

1.791759469228055

JavaScript String replace

replace

Please visit GOOGLE!

JavaScript String uppercase

click to upcase click to lowercase

INDIA is MY country

JavaScript String concat

india is my country

JavaScript trim

Length1 text1=14
Length2 text2=5

PROGRAM-8

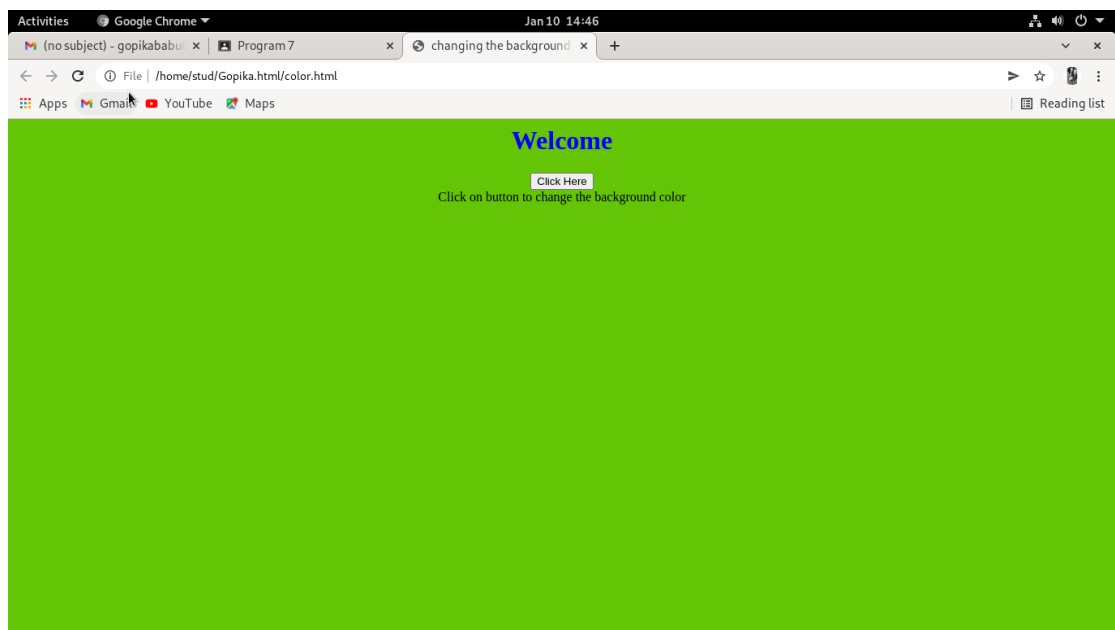
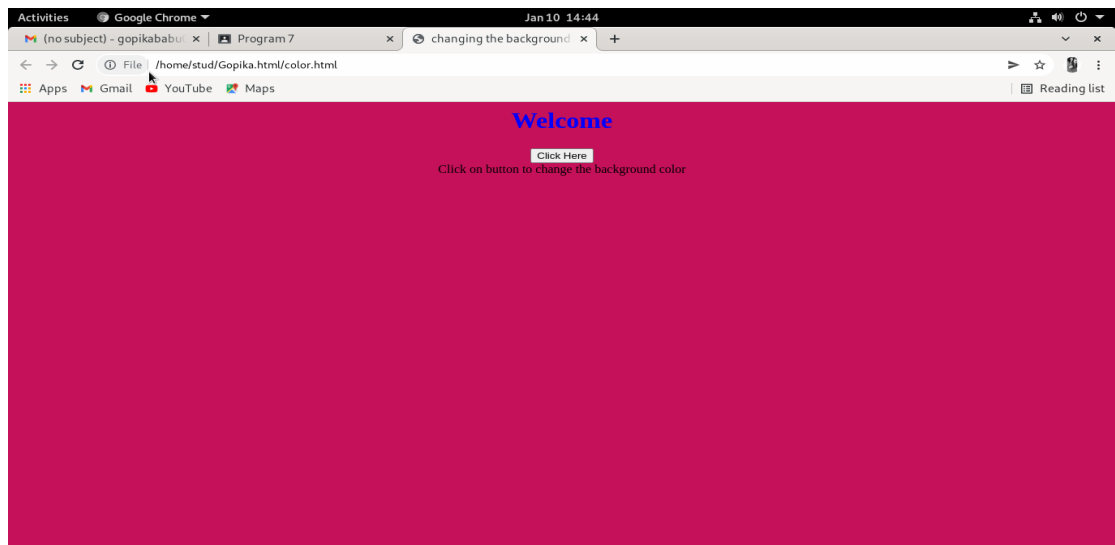
Aim: Create a HTML page to change the background color for every click of a button using JavaScript Event Handling

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>
<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



PROGRAM-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</t
h><th>SAT</th><th>SUN</th></tr><tr>';
  for (let i = 0; i < getDay(d); i++) {
    table += '<td>*</td>';
  }

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

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

```

Output

CALENDAR

Enter The year :

Enter The Month:

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

PROGRAM-10

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

Source code

```
<!DOCTYPE html>

<head>
    <title>PHP - Calculate Electricity Bill</title>
</head>

<?php
$result_str = $result = "";
if (isset($_POST['unit-submit'])) {
    $units = $_POST['units'];
    if (!empty($units)) {
        $result = calculate_bill($units);
        $result_str = '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

Calculate electricity bill in PHP

Total amount of 44 units - 352.00

PROGRAM-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
$name=array("Bindhu","Celeste","Deepa");
asort($name);
echo "sorted using asort";

echo "<br>";
print_r($name);
echo "<br>";
echo "<br>";
arsort($name);
echo "sorted using arsort";

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

?>
```

Output

PROGRAM-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

```

<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>";
?>

```

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```

</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

PROGRAM-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 codeBookinfo.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>
</tr>
</table>
</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';
}
```

```

}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>

```

Search1.php

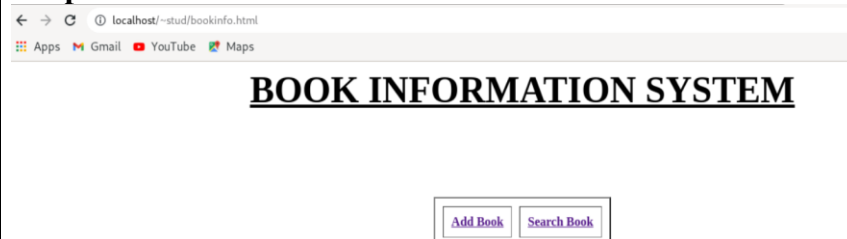
```

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

localhost/~stud/add.html

Gmail YouTube Maps

Enter Book Details

Access Number:	<input type="text" value="121"/>
Title:	<input type="text" value="Clean Code"/>
Author:	<input type="text" value="Aurther"/>
Edition:	<input type="text" value="3"/>
Publisher:	<input type="text" value="Dc books"/>
<input type="button" value="Submit"/>	<input type="button" value="Reset"/>

add.html

localhost/~stud/addl.php

Apps Gmail YouTube Maps

connected
New row added

addl.php

localhost/~stud/search.html

Apps Gmail YouTube Maps

SEARCH A BOOK

Enter book title:

search.html

← → ↻ ⓘ localhost/~stud/searchl.php
 Apps Gmail YouTube Maps
 connected 121:Clean Code:Aurther:3:Dc books

terminal

```
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)
```

PROGRAM-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 DETAILS</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>
<b><u>SEARCH FLIGHT</u></b><br><br>
<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>
<br>
<br>

```

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

```
</center>
```

```
</form>
```

```
</body>
```

```
</html>
```

Add.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"; }
```

```
$sql="INSERT INTO flightssystem VALUES($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
```

```
$num=$_POST['num'];
```

```
$title=$_POST['tit'];
```

```
$con=new
mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected\n";
}
$sql="select * from flightssystem where source='$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

localhost/~stud/Program%2014/Airline%20Info.html

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FLIGHT INFORMATION SYSTEM

[Add Flight Details](#) [Search Flights](#)

Airlineinfo.html

localhost/~stud/Program%2014/add.html

Apps Gmail YouTube Maps

Enter Flight Details

Flight Number:	<input type="text"/>
Flight Name:	<input type="text"/>
Source:	<input type="text"/>
Destination:	<input type="text"/>
Date and Time of Departure:	<input type="text" value="dd/mm/yyyy, --:--"/>
<input type="button" value="Submit"/>	<input type="button" value="Reset"/>

Add.html

localhost/~stud/Program%2014/search.html

Apps Gmail YouTube Maps

SEARCH FLIGHT

Source:	<input type="text"/>
Destination:	<input type="text"/>

Terminal

```
MariaDB [fisatdb]> desc flightssystem;
```

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 flightssystem;
```

fnumber	name	source	destination	date
1024	Java	Vegas	California	2022-01-12 16:12:00

```
1 row in set (0.000 sec)
```