FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)™

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577

FOCUS ON EXCELLENCE

20MCA133 WEB PROGRAMMING LAB

LABORATORY RECORD

Name: ANJU K S

Branch: MASTER OF COMPUTER APPLICATIONS

Semester: 1 **Batch: A** **Roll No: 26**

Register No: FIT21MCA-2026

MARCH 2022

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)™

HORMIS NAGAR, MOOKKANNOOR, ANGAMALY-683577

FOCUS ON EXCELLENCE

CERTIFICATE

*This is to certify that this is a Bonafide record of the Practical work done by **ANJU K S(FIT21MCA-2026)** 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

CONTENT

9.	3-01-2022	Generate the calendar using JavaScript code by getting the year and month from the user.	40	
10.	10-01-2022	Compose Electricity bill from user input based on a given tariff using PHP.	43	
11.	10-01-2022	Build a PHP code to store name of students in an array and display it using print_r function. Sort and Display the same using asort & arsort functions.	46	
12.	10-01-2022	Build a PHP code to store name of Indian Cricket players in an array and display the same in HTML table.	48	
13.	02-03-2022	Using PHP and MySQL, develop a program to accept book information viz. Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.	50	
14.	02-01-2022	Using PHP and MySQL, develop a program to collect airline details and display all the airlines between a particular source and destination.	55	

Experiment Number : 1

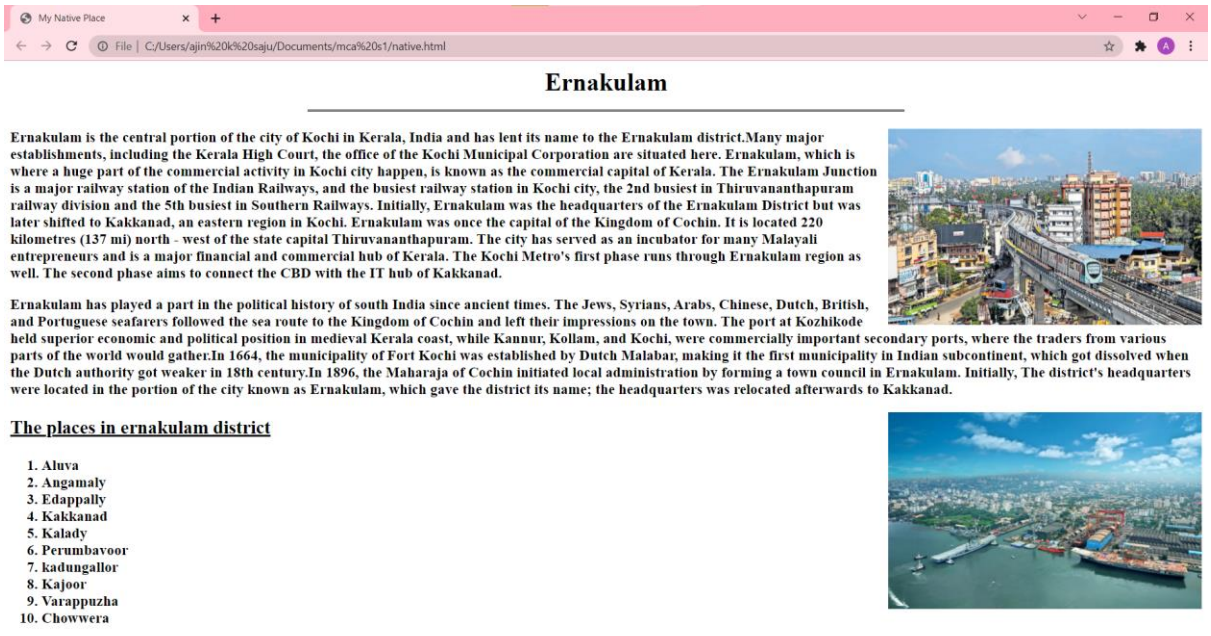
AIM: Model a simple HTML file related to your native place to demonstrate the useage of different tags

Program Code

```
<html>
<head><title>My Native Place</title>
</head>
<body>
<h1 align="center">Ernakulam<hr align="center" size="3" width="50%" noshade></h1>
<img align="right" height="250" width="400" alt="cat" src="C:\Users\ajin k saju\Documents\mca s1\ekm.jpg">
<h3>
<p>Ernakulam is the central portion of the city of Kochi in Kerala, India and has lent its name to the Ernakulam district.Many major establishments, including the Kerala High Court, the office of the Kochi Municipal Corporation are situated here. Ernakulam, which is where a huge part of the commercial activity in Kochi city happen, is known as the commercial capital of Kerala. The Ernakulam Junction is a major railway station of the Indian Railways, and the busiest railway station in Kochi city, the 2nd busiest in Thiruvananthapuram railway division and the 5th busiest in Southern Railways. Initially, Ernakulam was the headquarters of the Ernakulam District but was later shifted to Kakkanad, an eastern region in Kochi. Ernakulam was once the capital of the Kingdom of Cochin. It is located 220 kilometres (137 mi) north - west of the state capital Thiruvananthapuram. The city has served as an incubator for many Malayali entrepreneurs and is a major financial and commercial hub of Kerala. The Kochi Metro's first phase runs through Ernakulam region as well. The second phase aims to connect the CBD with the IT hub of Kakkanad.</p>

<p>Ernakulam has played a part in the political history of south India since ancient times. The Jews, Syrians, Arabs, Chinese, Dutch, British, and Portuguese seafarers followed the sea route to the Kingdom of Cochin and left their impressions on the town. The port at Kozhikode held superior economic and political position in medieval Kerala coast, while Kannur, Kollam, and Kochi, were commercially important secondary ports, where the traders from various parts of the world would gather.In 1664, the municipality of Fort Kochi was established by Dutch Malabar, making it the first municipality in Indian subcontinent, which got dissolved when the Dutch authority got weaker in 18th century.In 1896, the Maharaja of Cochin initiated local administration by forming a town council in Ernakulam. Initially, The district's headquarters were located in the portion of the city known as Ernakulam, which gave the district its name; the headquarters was relocated afterwards to Kakkanad.</p></h3><img align="right" height="250" width="400" src="C:\Users\ajin k saju\Documents\mca s1\INS_Vikrant_under_construction_at_Cochin_Shipyard.png" alt="INS_Vikrant_under_construction_at_Cochin_Shipyard">
<h2><dl><u>The places in ernakulam district</u></dl></h2>
<h3><ol>
<li>Aluva</li>
<li>Angamaly</li>
<li>Edappally</li>
<li>Kakkanad</li>
```

```
<li>Kalady</li>
<li>Perumbavoor</li>
<li>kadungallor</li>
<li>Kajoor</li>
<li>Varappuzha</li>
<li>Chowwera</li>
</h3></body>
</html>
```

Output



Experiment Number : 2

AIM: Create your bio data by using the html tags for hyperlinks, images, table, frame and fonts . Make it attractive by using the various colour elements.

Program Code

biodata.html

```
<html>
<body>
<h1 align="center">BIODATA</h1><hr size="5" width=100%" noshade>
<h3>PERSONAL DETAILS<hr width=100%" noshade></h3>
<img align="right" height="200" width="200"
src="/home/stud/Documents/anjuks26/biodata/images (1).jpeg" alt="images (1)">
<table>
<tr><h1>
<td width="50%">Name</td>
<td>: Anju K S</td>
</tr>
<tr>
<td>Address</td>
<td>: Kalapparambath House</td>
</tr>
<tr>
<td>Age</td>
<td>: 21</td>
</tr>
<tr>
<td>Sex</td>
<td>: Female</td>
</tr>
<tr>
```

```
<td>Date Of Birth</td>
<td>: 05/06/2000</td>
</tr>
<tr>
<td>Religion</td>
<td>: Christian</td>
</tr>
<tr>
<td>Nationality</td>
<td>: Indian</td>
</h1></tr>
</table><br>
<a href="biodata2.html">Academic Details</a>
</body>
</html>
```

biodata2.html

```
<html>
<body>
<h3 align="center">MY ACADEMIC DETAILS<hr width=100%" noshade></h3>
<h4>SSLC<hr></h4>
<table width="700" border="1">
<tr>
<td width="50%">Institution</td>
<td>Jyothi Nivas Public School</td>
</tr>
<tr>
<td>Place</td>
<td>Aluva</td>
</tr>
```

```
<tr>
<td>Marks Obtained</td>
<td>79%</td>
</tr></table>
<h4>Plus Two<hr width=100%" ></h4>
<table  width="700" border="1">
<tr>
<td width="50%">Institution</td>
<td>St Francis HSS For Girls</td>
</tr>
<tr>
<td>Place</td>
<td>Aluva</td>
</tr>
<tr>
<td>Marks Obtained</td>
<td>83%</td>
</tr></table>
<h4>UG<hr width=100%" ></h4>
<table  width="700" border="1">
<tr>
<td width="50%">Institution</td>
<td>Al Ameen College</td>
</tr>
<tr>
<td>Place</td>
<td>Aluva</td>
</tr>
<tr>
<td>Marks Obtained</td>
```

```
<td>74%</td>

</tr></table>

</body><br><br>

<a href="biodata.html">Personal Details</a>

</html>
```

Output

BIODATA

PERSONAL DETAILS

Name : Anju K S
Address : Kalapparambath House
Age : 21
Sex : Female
Date Of Birth : 05/06/2000
Religion : Christian
Nationality : Indian

Academic Details

MY ACADEMIC DETAILS

SSLC

Institution	Jyothi Nivas Public School
Place	Aluva
Marks Obtained	79%

Plus Two

Institution	St Francis HSS For Girls
Place	Aluva
Marks Obtained	83%

UG

Institution	Al Ameen College
Place	Aluva
Marks Obtained	74%

Personal Details

Experiment Number : 3

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

Program Code

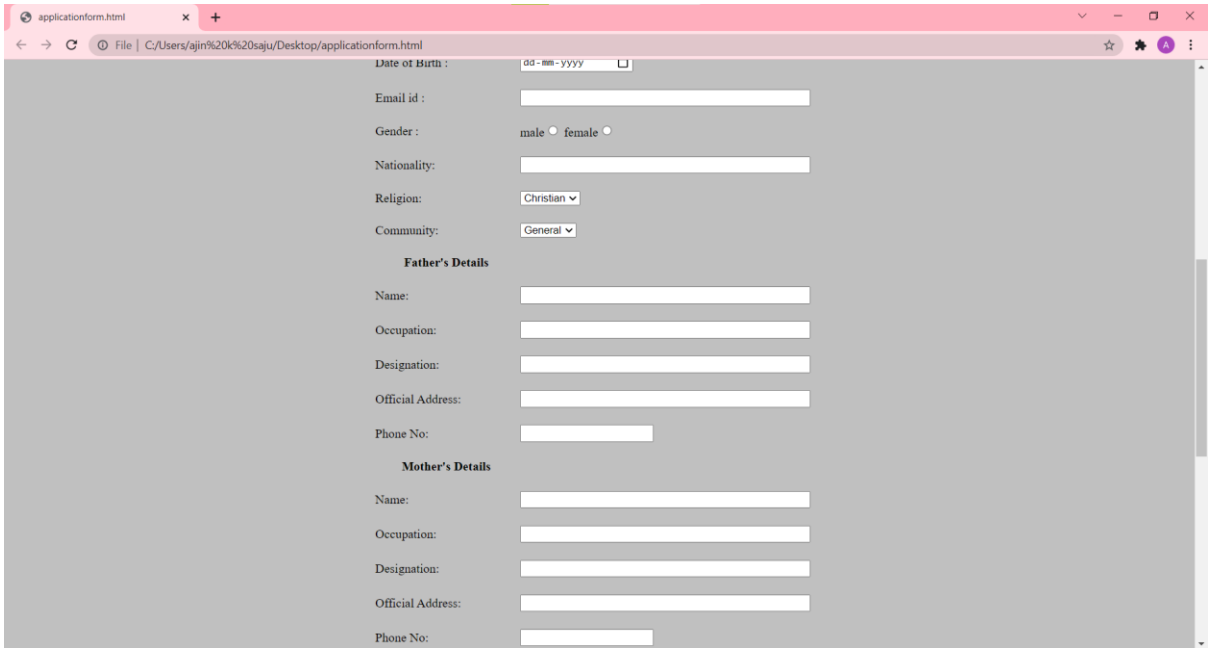
```
<html>
<body bgcolor="Silver"><br>
<center><img height="100" width="100" src="C:\Users\ajin k
saju\Downloads\5725291883.jpg"></center>
<h1 align="center">Federal Institute of Science And Technology (FISAT)</h1><hr size="5"
width=100%" noshade>
<h2 align="center">Application Form<hr></h2>
<table border="0" align="center" cellspadding="10">
<tr>
<th colspan="2"><h3>Basic Details</h3><hr size="5" width=100%" noshade<br><br></th>
</tr>
<tr>
<td>Name:<br><br></td>
<td ><input type="text" size="50"><br><br></td>
</tr>
<tr>
<td>Address:<br><br></td>
<td><textarea type="mytextarea" rows="3" cols="50"></textarea><br><br></td>
</tr>
<tr>
<td>City:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr>
<tr>
<td>State:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr>
<tr>
<td>Country:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr>
<tr>
<td>Pin Code:<br><br></td>
<td><input  type="number" size="100" ><br><br></td>
</tr>
<tr>
<td>Mobile :<br><br></td>
<td><input  type="number" size="50" ><br><br></td>
</tr>
<tr>
<td>Date of Birth :<br><br></td>
<td><input  type="date" size="50" ><br><br></td>
```

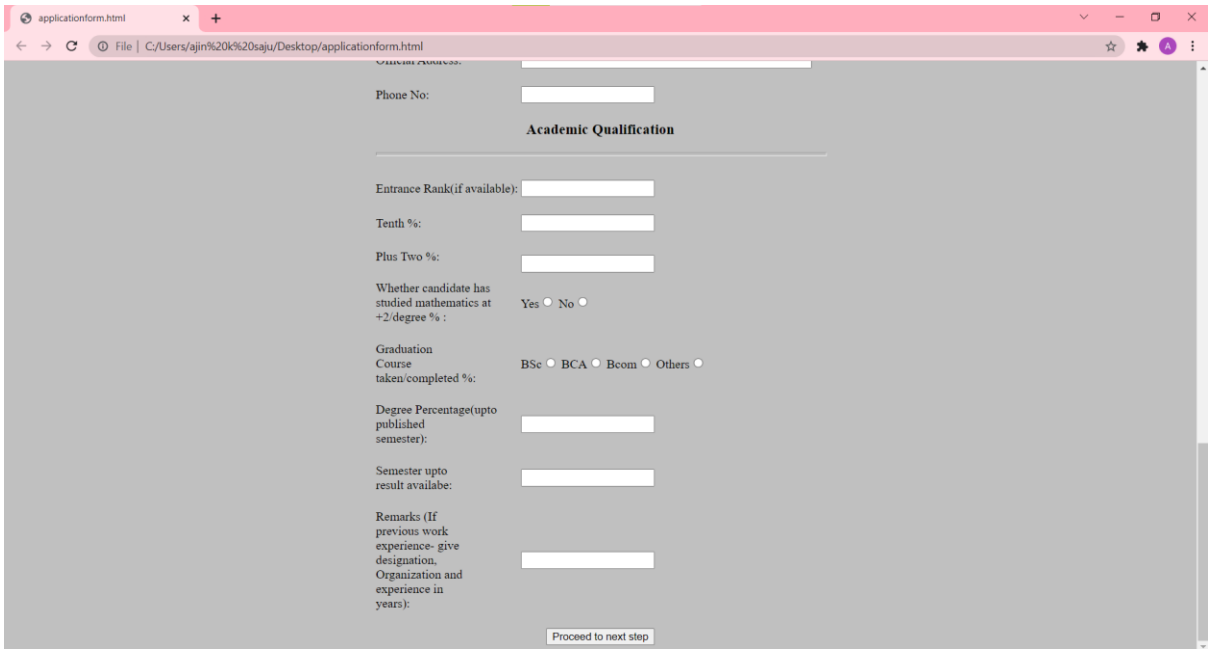
```
</tr>
<tr>
<td>Email id :<br><br></td>
<td><input  type="email" size="50" ><br><br></td>
</tr>
<tr>
<td>Gender :<br><br></td>
<td>male<input  type="radio" value="m" name="gender" >
female<input  type="radio" value="f" name="gender" >
<br><br></td>
</tr>
<tr>
<td>Nationality:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr>
<tr>
<td>Religion:<br><br></td>
<td><select name="Religion" >
<option>Christian</option>
<option>Hindu</option>
<option>Musilm</option>
<option>Others</option></select><br><br></td>
</tr>
<tr>
<td>Community:<br><br></td>
<td><select name="Community">
<option>General</option>
<option>ST</option>
<option>SC</option>
<option>Others</option></select><br><br></td>
</tr>
<tr>
<th>Father's Details<br><br></th>
</tr>
<tr>
<td>Name:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr
<tr>
<td>Occupation:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr
<tr>
<td>Designation:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr
<tr>
<td>Official Address:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr
```

```
<tr>
<td>Phone No:<br><br></td>
<td><input  type="number" size="20" ><br><br></td>
</tr>
<tr>
<th>Mother's Details<br><br></th>
</tr>
<tr>
<td>Name:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr
<tr>
<td>Occupation:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr
<tr>
<td>Designation:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr
<tr>
<td>Official Address:<br><br></td>
<td><input  type="text" size="50" ><br><br></td>
</tr
<tr>
<td>Phone No:<br><br></td>
<td><input  type="number" size="50" ><br><br></td>
</tr>
<tr>
<th colspan="2"><h3>Academic Qualification</h3><hr size="5" width=100%"
noshade<br><br></th>
</tr>
<tr>
<td>Entrance Rank(if available):<br><br></td>
<td><input  type="number" size="50" ><br><br></td>
</tr>
<tr>
<td>Tenth %:<br><br></td>
<td><input  type="number" size="50" ><br><br></td>
</tr>
<tr>
<td>Plus Two %:<br><br></td>
<td><input  type="number" size="100" ><br></td>
</tr>
<tr>
<td>Whether candidate has<br>
      studied mathematics at<br>
     +2/degree % :<br><br></td>
<td>Yes<input  type="radio" value="yes"  >
No<input  type="radio" value="no" >
<br><br></td>
```

```
</tr>
<td>Graduation <br>Course<br> taken/completed %:<br><br></td>
<td>BSc<input  type="radio" value="BSc" >
BCA<input  type="radio" value="bca"  >
Bcom<input  type="radio" value="bcom"  >
Others<input  type="radio" value="others"  >
<br><br></td>
</tr>
<tr>
<td>Degree Percentage(upto<br>published<br>semester):<br><br></td>
<td><input  type="text" size="20" ><br><br></td>
</tr>
<tr>
<td>Semester upto<br>result availabe:<br><br></td>
<td><input  type="text" size="20" ><br><br></td>
</tr>
<tr>
<td>Remarks (If<br> previous work <br>experience- give<br> designation,<br>
Organization and<br> experience in<br> years):<br><br></td>
<td><input  type="text" size="20" ><br><br></td>
</tr>
<tr>
<td colspan="2"><center><input type="button" value="Proceed to next
step"></center></td>
</tr>
</table>
</body>
</html>
```

Output


applicationform.html
File | C:/Users/ajin%20k%20saju/Desktop/applicationform.html
Date of Birth :
dd-mm-yyyy
Email id :
Gender :
male female
Nationality:
Religion:
Christian
Community:
General
Father's Details
Name:
Occupation:
Designation:
Official Address:
Phone No:
Mother's Details
Name:
Occupation:
Designation:
Official Address:
Phone No:


applicationform.html
File | C:/Users/ajin%20k%20saju/Desktop/applicationform.html
Phone No:
Academic Qualification
Entrance Rank(if available):
Tenth %:
Plus Two %:
Whether candidate has studied mathematics at +2/degree % :
Yes No
Graduation Course taken/completed %:
BSc BCA Bcom Others
Degree Percentage(upto published semester):
Semester upto result availabe:
Remarks (If previous work experience- give designation, Organization and experience in years):
Proceed to next step

Experiment Number : 4

AIM: Create a html page with different types of frames such as floating frame, navigation frame and mixed frame.

Program Code

Frame.html

```
<html>
<head><title>Frames 1</title></head>
<frameset rows="30%,*">
<frame name="top" src="intro.html">
<frameset cols="140,*">
<frame name="navF" src="navigation.html">
<frame name="mainF" src="pearl.html">
</frameset>
</frameset>
</html>
```

Pearl.html

```
<html>
<head><title>PEARLS</title></head>
<body bgcolor="silver">
<h1 align="center">PEARLS<hr align="center" size="3" width="50%" noshade></h1>
<center><img height="250" width="250" src="C:\Users\ajin k saju\Documents\New folder (2)/index.jpeg" alt="index">
</center>
</body>
</html>
```

Intro.html

```
<html>
```

```
<head><title>Pearls</title></head>

<body bgcolor="green">

<h1>Pearls<hr></h1>

<img align="right" height="100" width="200" src="C:\Users\ajin k saju\Documents\New folder (2)\Various_pearls.jpg" alt="Various_pearls">

<p>A pearl is a hard, glistening object produced within the soft tissue of a living shelled mollusk or another animal, such as fossil conulariids. Just like the shell of a mollusk, a pearl is composed of calcium carbonate in minute crystalline form, which has deposited in concentric layers.

</p>

</body>

</html>
```

Navigation.html

```
<html><head><title>Navigation Bar</title></head>

<body bgcolor="green"><center>

<a href="pearl.html" target="mainF">HOME</a><br><br>

<a href="south.html" target="mainF">SOUTH SEA PEARL</a><br><br>

<a href="tahitian_pearl.html" target="mainF">TAHITIAN PEARL</a><br><br>

<a href="freshwater pearl.html" target="mainF">FRESHWATER PEARL</a><br><br>

<a href="akoya_pearl.html" target="mainF">AKOYA PEARL</a><br><br>

</center></body>

</html>
```

South.html

```
<html>

<head><title>Pearls</title></head>

<body bgcolor="silver">

<h1 align="center">SOUTH SEA PEARL<hr align="center" size="3" width="50%" noshade></h1>

<p>The Southern seas host the world’s largest pearl yielding oyster, the Pinctada Maxima.

A South Sea pearl can range from 9 - 20mm and are identified by their
```

thick nacre or ‘mother of pearl’ (an organic mixture of Calcium carbonate and crystals)

with a satiny luster and a subtle array of colors ranging from

white to gold..

<img height="150" width="250" src="C:\Users\ajin k saju\Documents\New folder (2)\South sea.jpg" alt="South sea">

</body>

</html>

Tahitian_pearl.html

<html>

<body bgcolor="silver">

<h1 align="center">TAHITIAN PEARL<hr align="center" size="3" width="50%" noshade></h1>

The Pinctada Margaritifera or black-lipped oyster produces the Tahitian pearl.

About twice the size of Akoya oysters, they produce pearls that range from 8-12mm.

The “Tahitian pearls” are found around the islands and atolls of the

French Polynesia. These pearls are seldom round; they come in a variety of

shapes and a range of metallic colours - from gray to black to green,

peacock-blue and aubergine.

<img height="150" width="250" src="C:\Users\ajin k saju\Documents\New folder (2)\th.jpg" alt="th">

<iframe src="desc_tahi.html" width=900 height=200 align="bottom"></iframe>

<body>

</html>

Desc_tahi.html

<html>

```
<body bgcolor="silver">

<h1 align="center">Description About Tahitian Pearls<hr align="center" size="3" width="50%" noshade></h1>

<img align="right" height="150" width="150" src="C:\Users\ajin k saju\Documents\New folder (2)\tahi.jpg" alt="tahi">

<p>

Tahitian pearls come in a range of colors from white to black. They can contain various undertones and overtones of green, pink, blue, silver and yellow. The most valuable of these are of the darker variety, as the naturally dark tones of the Tahitian pearls is a unique quality among pearls. A true black Tahitian pearl is extremely rare, and largely considered one of the most beautiful kinds of pearls in the world. Most Tahitian pearls that are identified as “black” are actually charcoal grey, silver, or dark green. An advantage of the Tahitian pearl is that the oyster inside of which they grow is quite large, sometimes weighing as much as ten pounds. This means that a Tahitian pearl can more easily grow to a larger-than-average size.<br><br>

The cultured Tahitian pearl comes in various shapes, sizes, and colors; shapes include round, semi-round, button, circle, oval, teardrop, semi-baroque and baroque.Because of their darker hues, Tahitian pearls are commonly known as "black pearls". However, Tahitian pearls have the ability to contain various undertones and overtones of green, pink, blue, silver and yellow. All (or any combination) of these colors may be seen in a cultured Tahitian pearl. Due to the variety of shapes and colors of the Tahitian pearl, it has been known to fit in any jewelry setting.The versatility and mixture of color give it its value.

</p>

</body>

</html>
```

Freshwater pearl.html

```
<html>

<head><title>Pearls</title></head>

<body bgcolor="silver">

<h1 align="center">FRESHWATER PEARL<hr align="center" size="3" width="50%" noshade></h1>

<p>Freshwater pearls, unlike other pearl types, grow in mussels that live in freshwater ponds

and rivers and are found in China, Japan, North America and Europe. The Hyriopsis Cuminigi

or Triangle Shell mussel is a common source of Freshwaterpearls and can yield between

30-40 pearls.It is believed that the first gem-quality Pearl was a Freshwater one.
```

Freshwater naturals are not as well known as their saltwater counterparts, although

comparable pearls from both sources are still similarly priced. Sometimes, the very best freshwater naturals were usually sold as saltwater pearls!

<img height="150" width="250" src="C:\Users\ajin k saju\Documents\New folder (2)\fresh.jpg" alt="fresh">

</body>

</html>

Akoya_pearl.html

<html>

<head><title>Pearls</title></head>

<body bgcolor="silver">

<h1 align="center">AKOYA PEARL<hr align="center" size="3" width="50%" noshade></h1>

The Pintctada Fucata or the Akoya Oyster is found in Japan. The Akoya

pearls are saltwater pearls and come from the smallest of all pearl oysters. A

fully-grown Akoya oyster ranges from 8-13cms and the pearl it yields tends

to be mostly white or cream with hints of pink and green, but can be seen in

colors like silver, and rarely in yellow, pink or blue. The Akoya oyster produces

more round pearls of very high luster than any other type of pearl oyster

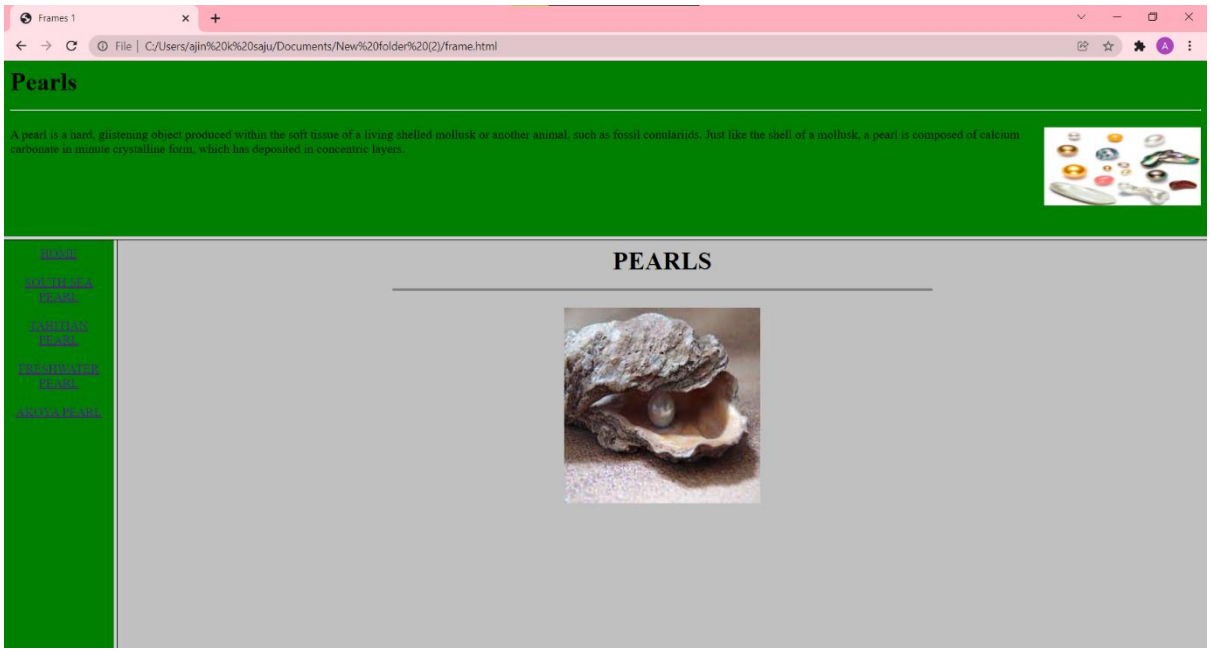
with sizes ranging typically from 2mm to 8mm.

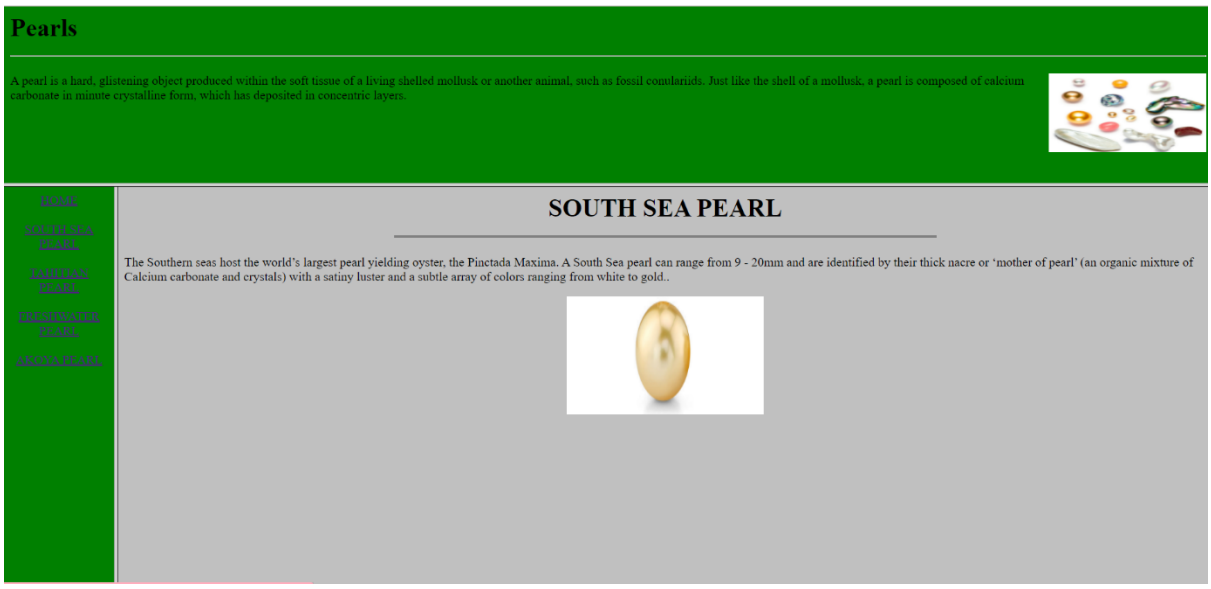
<img height="150" width="250" src="C:\Users\ajin k saju\Documents\New folder (2)\3.jpg" alt="3">

</body>

</html>

Output


Frames 1
File | C:/Users/ajin%20k%20saju/Documents/New%20folder%20(2)/frame.html
Pearls
A pearl is a hard, glistening object produced within the soft tissue of a living shelled mollusk or another animal, such as fossil conulariids. Just like the shell of a mollusk, a pearl is composed of calcium carbonate in minute crystalline form, which has deposited in concentric layers.
HOME
SOUTH SEA PEARL
FARTIDAN PEARL
FRESHWATER PEARL
AKOYA PEARL
PEARLS


Pearls
A pearl is a hard, glistening object produced within the soft tissue of a living shelled mollusk or another animal, such as fossil conulariids. Just like the shell of a mollusk, a pearl is composed of calcium carbonate in minute crystalline form, which has deposited in concentric layers.
HOME
SOUTH SEA PEARL
FARTIDAN PEARL
FRESHWATER PEARL
AKOYA PEARL
SOUTH SEA PEARL
The Southern seas host the world's largest pearl yielding oyster, the Pinctada Maxima. A South Sea pearl can range from 9 - 20mm and are identified by their thick nacre or 'mother of pearl' (an organic mixture of Calcium carbonate and crystals) with a satiny luster and a subtle array of colors ranging from white to gold..

Pearls

A pearl is a hard, glistening object produced within the soft tissue of a living shelled mollusk or another animal, such as fossil conulariids. Just like the shell of a mollusk, a pearl is composed of calcium carbonate in minute crystalline form, which has deposited in concentric layers.

HOME

SOUTH SEA PEARL

TAHITIAN PEARL

FRESHWATER PEARL

AKOYA PEARL

TAHITIAN PEARL

The Pinctada Margaritifera or black-lipped oyster produces the Tahitian pearl. About twice the size of Akoya oysters, they produce pearls that range from 8-12mm. The "Tahitian pearls" are found around the islands and atolls of the French Polynesia. These pearls are seldom round; they come in a variety of shapes and a range of metallic colours - from gray to black to green, peacock-blue and aubergine.

Description About Tahitian Pearls

Tahitian pearls come in a range of colors from white to black. They can contain various undertones and overtones of green, pink, blue, silver and yellow. The most valuable of these are of the darker variety, as the naturally dark tones of the Tahitian pearls is a unique quality among pearls. A true black Tahitian pearl is extremely rare, and largely considered one of the most beautiful kinds of pearls in the world. Most Tahitian are actually charcoal grey, silver, or dark green. An advantage of the

file:///C:/Users/ajin k saju/Documents/New folder (2)/tahitian_pearl.html

Pearls

A pearl is a hard, glistening object produced within the soft tissue of a living shelled mollusk or another animal, such as fossil conulariids. Just like the shell of a mollusk, a pearl is composed of calcium carbonate in minute crystalline form, which has deposited in concentric layers.

HOME

SOUTH SEA PEARL

TAHITIAN PEARL

FRESHWATER PEARL

AKOYA PEARL

The Pinctada Margaritifera or black-lipped oyster produces the Tahitian pearl. About twice the size of Akoya oysters, they produce pearls that range from 8-12mm. The "Tahitian pearls" are found around the islands and atolls of the French Polynesia. These pearls are seldom round; they come in a variety of shapes and a range of metallic colours - from gray to black to green, peacock-blue and aubergine.

Description About Tahitian Pearls

Tahitian pearls come in a range of colors from white to black. They can contain various undertones and overtones of green, pink, blue, silver and yellow. The most valuable of these are of the darker variety, as the naturally dark tones of the Tahitian pearls is a unique quality among pearls. A true black Tahitian pearl is extremely rare, and largely considered one of the most beautiful kinds of pearls in the world. Most Tahitian pearls that are identified as "black" are actually charcoal grey, silver, or dark green. An advantage of the Tahitian pearl is that the oyster inside of which they grow is quite large, sometimes weighing as much as ten

Pearls

A pearl is a hard, glistening object produced within the soft tissue of a living shelled mollusk or another animal, such as fossil conulariids. Just like the shell of a mollusk, a pearl is composed of calcium carbonate in minute crystalline form, which has deposited in concentric layers.

HOME

SOUTH SEA PEARL

TAHITIAN PEARL

FRESHWATER PEARL

AKOYA PEARL

FRESHWATER PEARL

Freshwater pearls, unlike other pearl types, grow in mussels that live in freshwater ponds and rivers and are found in China, Japan, North America and Europe. The Hyriopsis Cuminigi or Triangle Shell mussel is a common source of Freshwaterpearls and can yield between 30-40 pearls.It is believed that the first gem-quality Pearl was a Freshwater one. Freshwater naturals are not as well known as their saltwater counterparts, although comparable pearls from both sources are still similarly priced. Sometimes, the very best freshwater naturals were usually sold as saltwater pearls!

Pearls

A pearl is a hard, glistening object produced within the soft tissue of a living shelled mollusk or another animal, such as fossil conulariids. Just like the shell of a mollusk, a pearl is composed of calcium carbonate in minute crystalline form, which has deposited in concentric layers.

HOME

SOUTH SEA PEARL

TAHITIAN PEARL

FRESHWATER PEARL

AKOYA PEARL

AKOYA PEARL

The Pintctada Fucata or the Akoya Oyster is found in Japan. The Akoya pearls are saltwater pearls and come from the smallest of all pearl oysters. A fully-grown Akoya oyster ranges from 8-13cms and the pearl it yields tends to be mostly white or cream with hints of pink and green, but can be seen in colors like silver, and rarely in yellow, pink or blue. The Akoya oyster produces more round pearls of very high luster than any other type of pearl oyster with sizes ranging typically from 2mm to 8mm.

file:///C:/Users/ajin k saju/Documents/New folder (2)/akoya_pearl.html

Experiment Number : 5

AIM: Analyze CSS by applying different styles using inline,external and internalstyle sheet in a html file.

Program Code

```
<html>
<head>
<title>flowers</title>
<link rel="stylesheet" href="styl.css">
<style>
h2{text-align:center;color:green;}
p{text_align:center;color:black;}
</style>
<head>
<body>
<h1 style="color:green;" align="center";>FLOWERS</h1>
<p>A flower, sometimes known as a bloom or blossom, is the reproductive structure found in flowering plants (plants of the division Magnoliophyta, also called angiosperms). The biological function of a flower is to facilitate reproduction, usually by providing a mechanism for the union of sperm with eggs. Flowers may facilitate outcrossing (fusion of sperm and eggs from different individuals in a population) resulting from cross-pollination or allow selfing (fusion of sperm and egg from the same flower) when self-pollination occurs.In addition to facilitating the reproduction of flowering plants, flowers have long been admired and used by humans to bring beauty to their environment, and also as objects of romance, ritual, esotericism, witchcraft, religion, medicine, and as a source of food.</p>
<h2>TYPES OF FLOWERS</h2>
<h3 align="center";>Aster  </h3>
<p>Most of these beautiful perennials are native to Eurasia, with only two from North America — the New York and New England asters. Their one-inch flowers are starbursts of closely packed, narrow petals in intense blue, purple, lilac, pink, or white. </p>
<h3 align="center";>California Poppy </h3>
<p>Also known as the golden poppy, this bright red, orange, or yellow native plant is the state flower of California. It is either an annual or a perennial depending on the climate — annual in colder areas and perennial in warmer regions.<p>
```

<h3 align="center";>Chrysanthemum </h3>

<p>Cultivated mums originated in China more than 3,000 years ago, and have become familiar and well-loved fall flowers the world over. Thousands of varieties with unique flower shapes brighten home gardens, containers, median strips, and parking lots from late summer through frost with their orange, red, yellow, purple, or white blooms<p>

<h3 align="center";>Daisies </h3>

<p>Daisies are found on every continent other than Antarctica and belong to one of the largest known plant families. Daisies symbolized innocence, a connotation that comes from the Victorian era..<p>

<h3 align="center";>Daffodil</h3>

<p>Daffodils go by many names depending on the species and variety — narcissus, jonquils, or paperwhites — but they are all daffodils and they all belong to the genus Narcissus.<p>

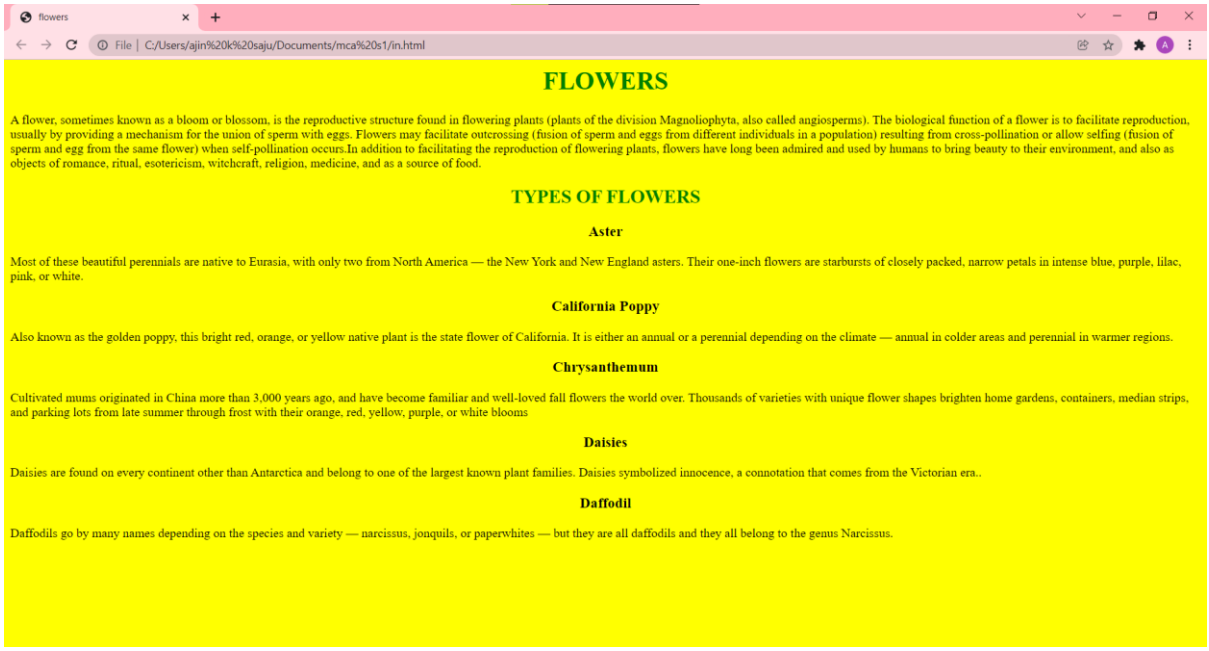
</body>

</html>

Styl.css

body{background-color:yellow}

Output



Experiment Number : 6

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

Program Code

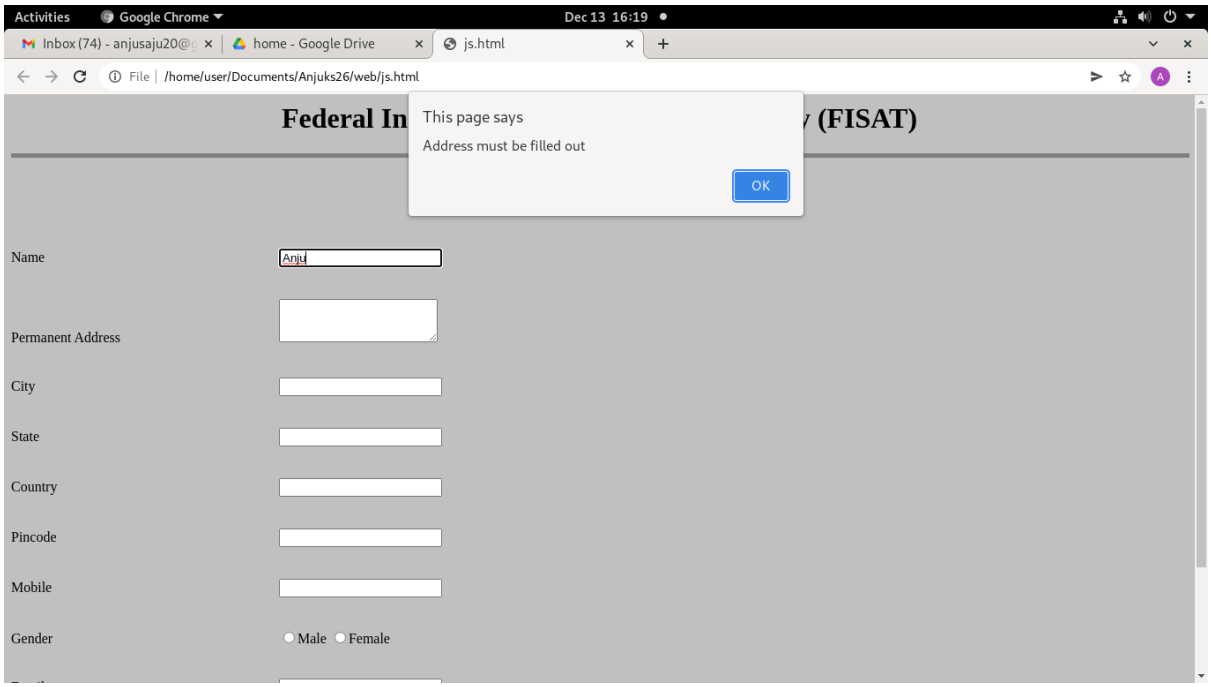
```
<html>
<head>
<script>
function validateForm()
{
 var x = document.forms["myForm"]["fname"].value;
 if (x == "")
 {
  alert("Name must be filled out");
  return false;
 }
 var a = document.forms["myForm"]["add"].value;
 if (a == "")
 {
  alert("Address must be filled out");
  return false;
 }
 var b = document.forms["myForm"]["city"].value;
 if (b == "")
 {
  alert("City must be filled out");
  return false;
 }
 var c = document.forms["myForm"]["state"].value;
 if (c == "")
```

```
{
 alert("State must be filled out");
 return false;
}
var d = document.forms["myForm"]["country"].value;
if (d == "")
{
 alert("Country must be filled out");
 return false;
 }
var e = document.forms["myForm"]["pincode"].value;
if (e == "")
{
 alert("Pin code must be filled out");
 return false;
}
var f = document.forms["myForm"]["mob"].value;
if (f == "")
{
 alert("Phone number must be filled out");
 return false;
}
var g = document.forms["myForm"]["gender"].value;
if (g == "")
{
 alert("Gender must be filled out");
 return false;
 }
 var h = document.forms["myForm"]["mail"].value;
if (h == "")
```

```
 {
  alert("Email id must be filled out");
  return false;
 }
 var i = document.forms["myForm"]["dob"].value;
 if (i == "")
 {
  alert("Date must be filled out");
  return false;
 }
}
</script>
<style>
label{
display: inline-block;
width: 300px;
}
</style>
</head>
<body bgcolor="silver">
<h1 align="center">Federal Institute of Science And Technology (FISAT)</h1><hr size="5" width=100%" noshade>
<h2><center><u>Application Form</u></center></h4><br><br>
<form name="myForm" action="/action_page_post.php"
onsubmit="return validateForm()" method="post">
<label>Name</label>
<input type="text" name="fname"><br><br><br>
<label>Permanent Address</label>
<textarea cols="20" rows="3" name="add"></textarea><br><br><br>
<label>City</label>
<input type="text" name="city" ><br><br><br>
```

```
<label>State</label>
<input type="text" name="state"><br><br><br>
<label>Country</label>
<input type="text" name="country"><br><br><br>
<label>Pincode</label>
<input type="text" name="pincode"><br><br><br>
<label>Mobile</label>
<input type="number" name="mob"><br><br><br>
<label>Gender</label>
<input type="radio" name="gender" value="m">Male
<input type="radio" name="gender" value="f">Female<br><br><br>
<label>Email</label>
<input type="email" name="mail"><br><br><br>
<label>Date of birth </label>
<input type="date" name="dob"><br><br><br>
<input type="submit" value="Submit">
</form>
</body>
</html>
```

Output


Activities
Google Chrome
Dec 13 16:19
Inbox (74) - anjusaju20@
home - Google Drive
js.html
File | /home/user/Documents/Anjuks26/web/js.html
Federal In
(FISAT)
This page says
Address must be filled out
OK
Name
Anju
Permanent Address
City
State
Country
Pincode
Mobile
Gender
Male
Female

Experiment Number : 7

AIM: Create a HTML page to explain the use of various predefined functions in a string and math objects in JavaScript.(String Functions- Length,slice,substring,substr,replace,toUppercase,toLowercase,concat,trim,charAt,convert string to array,indexof, search,includes)
(Math Functions- round,ceil,floor,trunc,sign, pow,sqrt,abs,sin,cos,min,max,random,log)

Program Code

```
<!DOCTYPE html>
<html>
<body>
---------------------------------------------------------------
<h2>JavaScript String Properties</h2>
---------------------------------------------------------------
<p>The length of " Today is a beautiful day ":</p>
<p id="demo"></p>
<script>
let text = " Today is a beautiful day ";
document.getElementById("demo").innerHTML = text.length;
</script>
---------------------------------------------------------------
<p>The slice parts of "January, June, July":</p>
<p id="de"></p>
<script>
let str = "January, June, July";
document.getElementById("de").innerHTML = str.slice(7,13);
</script>
---------------------------------------------------------------
<p>The substring of "December, May, April":</p>
<p id="dem"></p>
<script>
```

```
let str1 = "March, April, October";
document.getElementById("dem").innerHTML = str1.substring(7,13);
</script>
---------------------------------------------------------------
<p>The substr of "March, April, October":</p>
<p id="demo1"></p>
<script>
let str2 = "Apple, Banana, Kiwi";
document.getElementById("demo1").innerHTML = str2.substr(7,6);
</script>
---------------------------------------------------------------
<p>Replace "Lilly with Jasmin":</p>
<button onclick="myFunction1()">Try it</button>
<p id="demo2">Lilly is white in color!</p>
<script>
function myFunction1() {
  let text1 = document.getElementById("demo2").innerHTML;
  document.getElementById("demo2").innerHTML =
  text1.replace("Lilly","Jasmin");
}
</script>
---------------------------------------------------------------
<p>Convert Red Rose to upper case:</p>
<button onclick="myFunction2()">Try it</button>
<p id="demo3">Red Rose</p>
<script>
function myFunction2() {
  let text2 = document.getElementById("demo3").innerHTML;
  document.getElementById("demo3").innerHTML =
  text2.toUpperCase();
```

```
}
</script>
-----------------------------------------------------------------
<p>Convert Red Rose to lower case:</p>
<button onclick="myFunction3()">Try it</button>
<p id="demo4">Red Rose</p>
<script>
function myFunction3() {
  let text3 = document.getElementById("demo4").innerHTML;
  document.getElementById("demo4").innerHTML =
  text3.toLowerCase();
}
</script>
-----------------------------------------------------------------
<p>Concat "Red Rose"</p>
<p id="demo5"></p>
<script>
let text4 = "Red";
let text5 = "Rose";
let text6 = text4.concat(" ",text5);
document.getElementById("demo5").innerHTML = text6;
</script>
-----------------------------------------------------------------
<p>Trim "Red Rose"<p>
<p id="demo6"></p>
<script>
let text7 = "     Red Rose    ";
let text8 = text7.trim();
document.getElementById("demo6").innerHTML =
"Length text7=" + text7.length + "<br>Length8 text8=" + text8.length;
```

```
</script>

---------------------------------------------------------------

<p>CharAt "Red Rose"</p>

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

<script>

var text9 = "RED ROSE";

document.getElementById("demo7").innerHTML = text9.charAt(0);

</script>

---------------------------------------------------------------

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

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

<script>

let text10 = "a,b,c,d,e,f";

const myArray = text10.split(",");

document.getElementById("demo8").innerHTML = myArray[0];

</script>

---------------------------------------------------------------

<p>The indexOf() method returns the position of the first occurrence of a specified text:</p>

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

<script>

let str3 = "Please locate where 'locate' occurs!";

document.getElementById("demo9").innerHTML = str3.indexOf("locate");

</script>

---------------------------------------------------------------

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

<p id="demo10"></p>

<script>

let str4 = "Please locate where 'locate' occurs!";

document.getElementById("demo10").innerHTML = str4.search("locate");

</script>
```

```
------------------------------------------------------------
<p>Check if a string includes "world":</p>
<p id="demo11"></p>
<p>The includes() method is not supported in Internet Explorer.</p>
<script>
let text11 = "Hello world, welcome to the universe.";
document.getElementById("demo11").innerHTML = text11.includes("world");
</script>
------------------------------------------------------------
<h2>Javascript Math Functions</h2>
------------------------------------------------------------
<p>Math.round(x) returns the value of x rounded to its nearest integer:</p>
<p id="demo12"></p>
<script>
document.getElementById("demo12").innerHTML = Math.round(4.5);
</script>
------------------------------------------------------------
<p>Math.ceil() rounds a number <strong>up</strong> to its nearest integer:</p>
<p id="demo13"></p>
<script>
document.getElementById("demo13").innerHTML = Math.ceil(4.4);
</script>
------------------------------------------------------------
<p>Math.floor(x) returns the value of x rounded <strong>down</strong> to its nearest integer:</p>
<p id="demo14"></p>
<script>
document.getElementById("demo14").innerHTML = Math.floor(4.7);
</script>
------------------------------------------------------------
<p>Math.trunc(x) returns the integer part of x:</p>
```

```
<p id="demo15"></p>
<script>
document.getElementById("demo15").innerHTML = Math.trunc(4.7);
</script>
---------------------------------------------------------------
<p>Math.sign(x) returns if x is negative, null or positive:</p>
<p id="demo16"></p>
<script>
document.getElementById("demo16").innerHTML = Math.sign(4);
</script>
---------------------------------------------------------------

<p>Math.pow(x,y) returns the value of x to the power of y:</p>
<p id="demo17"></p>
<script>
document.getElementById("demo17").innerHTML = Math.pow(8,2);
</script>
---------------------------------------------------------------
<p>Math.sqrt(x) returns the square root of x:</p>
<p id="demo18"></p>
<script>
document.getElementById("demo18").innerHTML = Math.sqrt(64);
</script>
---------------------------------------------------------------
<p>Math.abs(x) returns the absolute (positive) value of x:</p>
<p id="demo19"></p>
<script>
document.getElementById("demo19").innerHTML = Math.abs(-4.4);
</script>
---------------------------------------------------------------
```

```
<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="demo20"></p>
<script>
document.getElementById("demo20").innerHTML =
"The sine value of 90 degrees is " + Math.sin(90 * Math.PI / 180);
</script>
-----------------------------------------------------------
<p>Math.cos(x) returns the cosine of x (given in radians):</p>
<p>Angle in radians = (angle in degrees) * PI / 180.</p>
<p id="demo21"></p>
<script>
document.getElementById("demo21").innerHTML =
"The cosine value of 0 degrees is " + Math.cos(0 * Math.PI / 180);
</script>
-----------------------------------------------------------
<p>Math.min() returns the lowest value in a list of arguments:</p>
<p id="demo22"></p>
<script>
document.getElementById("demo22").innerHTML =
Math.min(0, 150, 30, 20, -8, -200);
</script>
-----------------------------------------------------------
<p>Math.max() returns the highest value in a list of arguments.</p>
<p id="demo23"></p>
<script>
document.getElementById("demo23").innerHTML =
Math.max(0, 150, 30, 20, -8, -200);
</script>
-----------------------------------------------------------
```

```
<p>Math.random() returns a random number between 0 and 1:</p>
<p id="demo24"></p>
<script>
document.getElementById("demo24").innerHTML = Math.random();
</script>
-----------------------------------------------------------------
<p>Math.log() returns the natural logarithm of a number:</p>
<p id="demo25"></p>
<script>
document.getElementById("demo25").innerHTML = Math.log(1);
</script>
-----------------------------------------------------------------
</body>
</html>
```

Output

Convert Red Rose to upper case:

Try it

Red Rose

Convert Red Rose to lower case:

Try it

Red Rose

Concat "Red Rose"

Red Rose

Trim "Red Rose"

Length text7=17
Length8 text8=8

CharAt "Red Rose"

R

Display the first array element, after a string split:

a

The indexOf() method returns the position of the first occurrence of a specified text:

The indexOf() method returns the position of the first occurrence of a specified text:

7

The search() method returns the position of the first occurrence of a specified text in a string:

7

Check if a string includes "world":

true

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

Javascript Math Functions

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

5

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

5

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

4

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

4

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

1

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

64

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

8

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

4.4

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.cos(x) returns the cosine of x (given in radians):

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

4.4

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.cos(x) returns the cosine of x (given in radians):

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

The cosine value of 0 degrees is 1

Math.min() returns the lowest value in a list of arguments:

-200

Math.max() returns the highest value in a list of arguments.

150

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

0.8457319727123112

Math.log() returns the natural logarithm of a number:

0

Experiment Number : 8

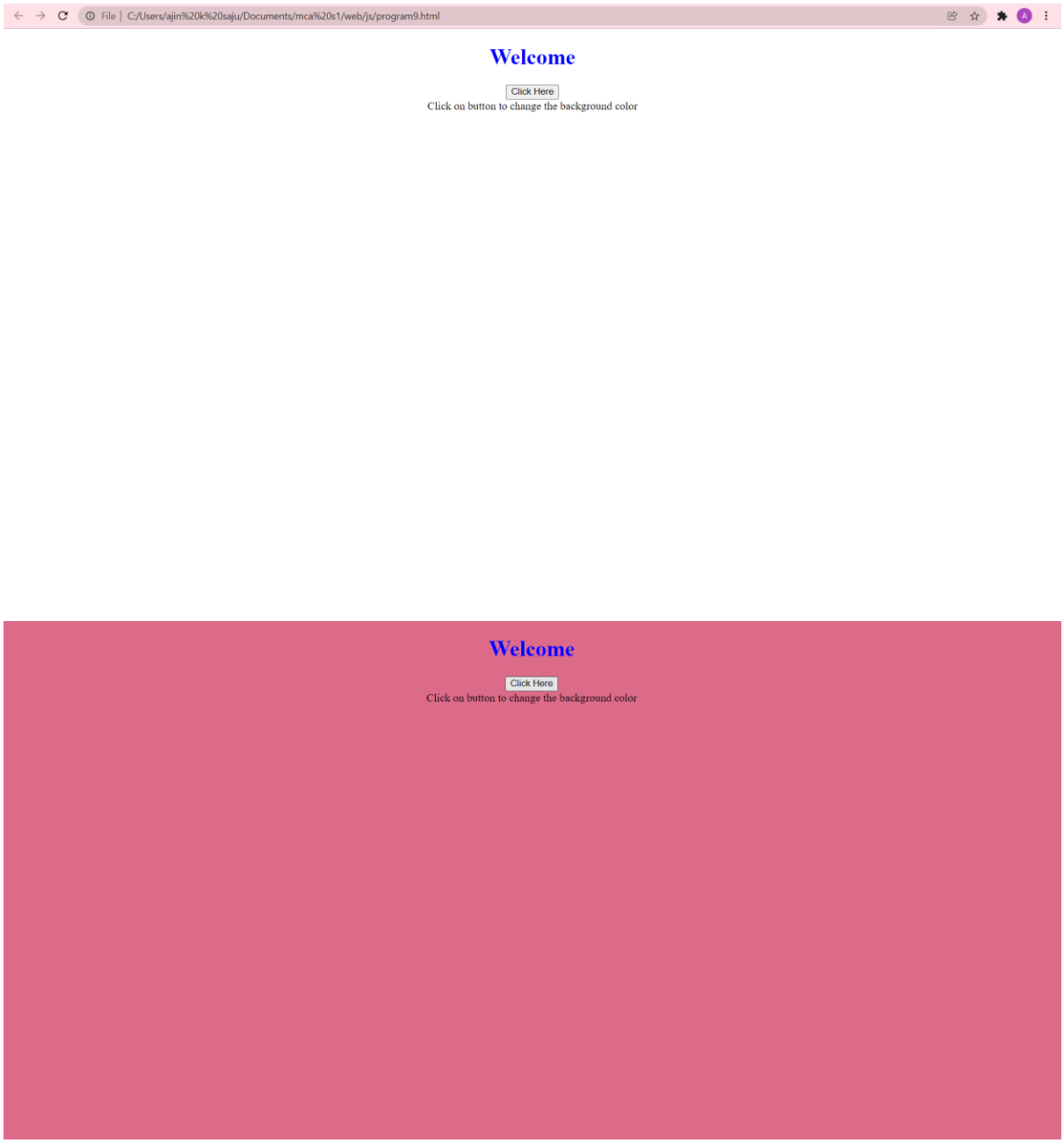
AIM: Create a HTML page to change the background color for every click of a button using JavaScript Event Handling.

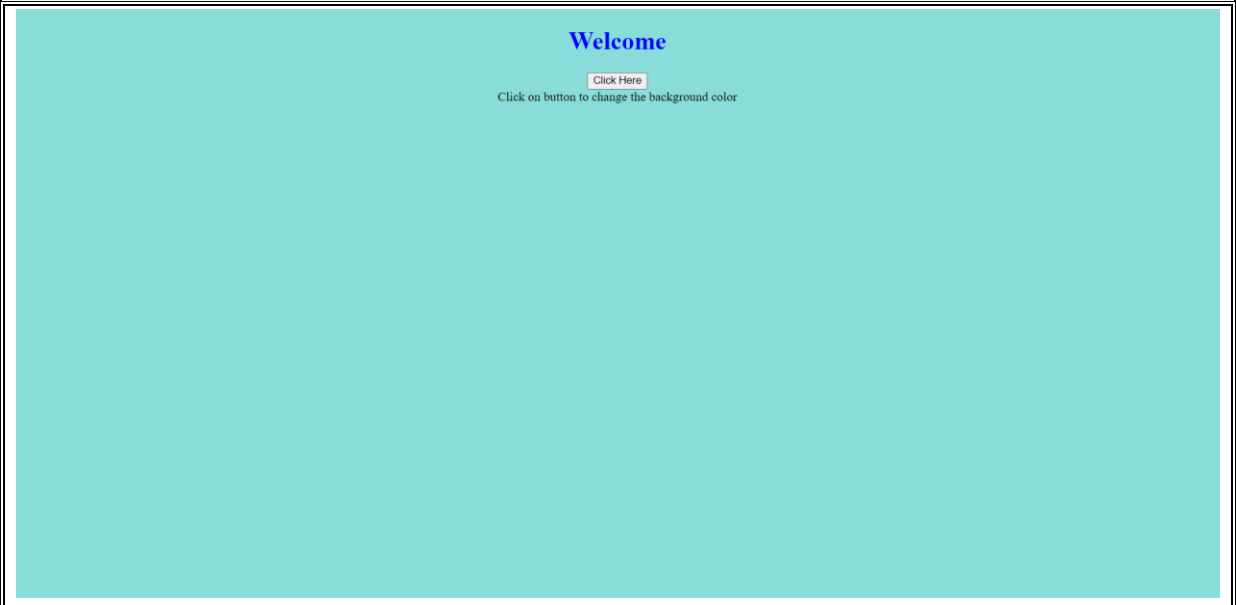
Program Code

```
<!DOCTYPE HTML>
<html>
<head>
<title>
changing the background color
</title>
</head>
<body style = "text-align:center;">
<h1 style = "color: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()*0xFFFFFF<<0).toString(16);

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

```
</html>
```

Output


File | C:/Users/ajin%20k%20saju/Documents/mca%20s1/web/js/program9.html
Welcome
Click Here
Click on button to change the background color
Welcome
Click Here
Click on button to change the background color


Welcome
Click Here
Click on button to change the background color

Experiment Number : 9

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

Program Code

```
<!DOCTYPE HTML>
<html>
<head><title>Calendar</title>
<style>
table {
border-collapse: collapse;
}
td, th {
border: 1px solid black;
padding: 3px;
text-align: center;
}
th {
font-weight: bold;
background-color: #E6E6E6;
}
</style>
</head>

<body>
<b><u>CALENDAR</u></b><br>
Enter The year : <input type="number" name="cal" id="cal" /><br>
Enter The Month: <input type="number" name="month" id="month" />
<br>
<div id="calendar"></div>
```

```
<script>
var year = document.getElementById("cal").value;
var month = document.getElementById("month").value;
function getDay(date) {
let day = date.getDay();
if (day == 0) day = 7;
return day - 1;
}
function createCalendar(elem, year, month) {
let mon = month - 1;
let d = new Date(year, mon);
let table =
'<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>';
elem.innerHTML = table;
}
createCalendar(calendar, year, month);
</script>
</body>
</html>
```

Output

CALENDAR

Enter The year : 2021

Enter The Month: 1

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 Number : 10

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

Program Code

elec.html

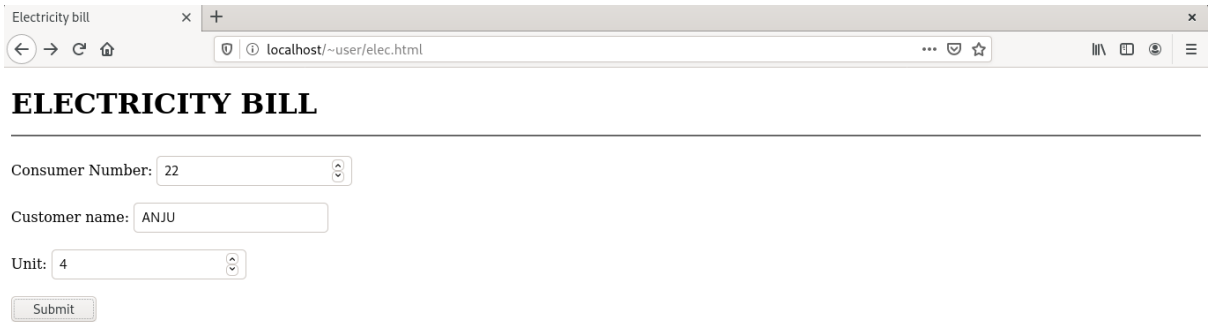
```
<html>
 <head><title>Electricity bill</title></head>
 <body>
 <form name="bill" action="http://localhost/~user/bill.php" method="post">
 <h1>ELECTRICITY BILL<hr></h1>
 Consumer Number: <input type="number" name="cno"><br><br>
 Customer name: <input type="text" name="uname"><br><br>
 Unit: <input type="number" name="unit"><br><br>
 <input type="submit" value="Submit">
 </form>
 </body>
 </html>
```

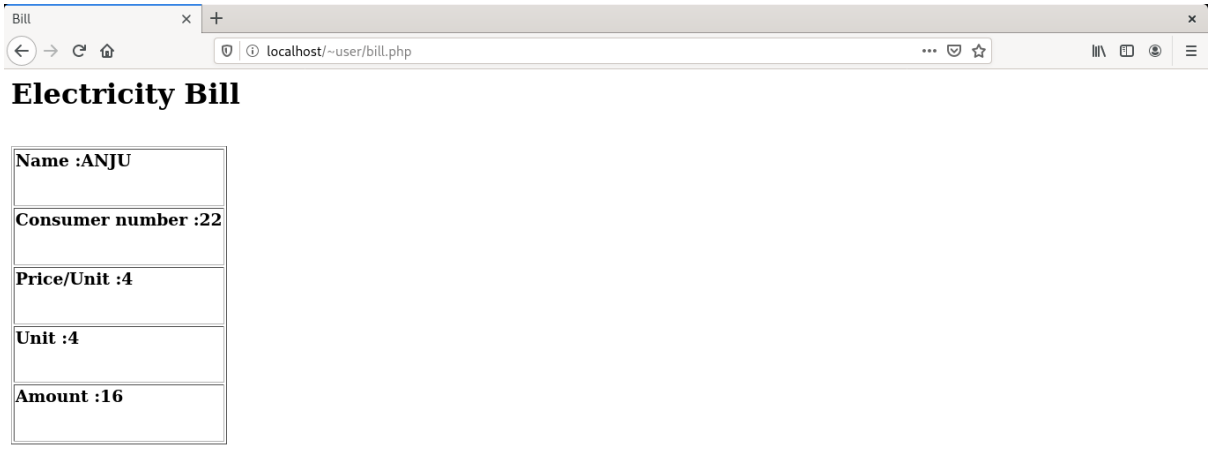
bill.php

```
 <html>
 <head><title>Bill</title></head>
 <body>
  <h1>Electricity Bill</h1><br>
  <table border="1">
  <tr>
  <td>
  <h3>Name :<?php echo $_POST["uname"];?></h3><br>
  </td>
```

```
</tr>
<tr>
<td>
<h3>Consumer number :<?php echo $_POST["cno"];?></h3><br>
</td>
</tr>
<tr>
<td>
<h3>Price/Unit :<?php $p=4; echo $p;?></h3><br>
</td>
</tr>
<tr>
<td>
<h3>Unit :<?php echo $_POST["unit"];?></h3><br>
</td>
</tr>
<tr>
<td>
<h3>Amount :<?php echo $_POST["unit"]*4;?></h3><br>
</td>
</tr>
</table>
</body>
</html>
```

Output


Electricity bill
localhost/~user/elec.html
ELECTRICITY BILL
Consumer Number: 22
Customer name: ANJU
Unit: 4
Submit


Bill
localhost/~user/bill.php
Electricity Bill
Name :ANJU
Consumer number :22
Price/Unit :4
Unit :4
Amount :16

Experiment Number : 11

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

Program Code

```
<!DOCTYPE html>
<html>
<body>
<h2>Students Name: </h2>
<?php
$a = array("Manu"=>"10", "Ann"=>"5", "Anna"=>"20","Lakshmi"=>"35","Sara"=>"40");
print_r($a);
echo "<h2>Ascending Order</h2>";
echo "\n";
asort($a);
foreach($a as $x=>$x_value)
  {
  echo "Key=" . $x . ", Value=" . $x_value;
  echo "<br>";
  }
echo "\n";
echo "<h2>Descending Order</h2>";
echo "\n";
arsort($a);
foreach($a as $x=>$x_value)
  {
  echo "Key=" . $x . ", Value=" . $x_value;
  echo "<br>";
  }
```

```
?>

</html>
```

Output

Students Name:

Array ([Manu] => 10 [Ann] => 5 [Anna] => 20 [Lakshmi] => 35 [Sara] => 40)

Ascending Order

Key=Ann, Value=5
Key=Manu, Value=10
Key=Anna, Value=20
Key=Lakshmi, Value=35
Key=Sara, Value=40

Descending Order

Key=Sara, Value=40
Key=Lakshmi, Value=35
Key=Anna, Value=20
Key=Manu, Value=10
Key=Ann, Value=5

Experiment Number : 12

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

Program Code

```
<!DOCTYPE html>
<html>
<body>
<?php
$Indcricketers= array("M S Dhoni", "Sachin Tendulkar", "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>M S Dhoni</td>
</tr>
<tr>
<td>2</td>
<td>Sachin Tendulkar</td>
</tr>
<tr>
<td>3</td>
<td>Rohit Sharma</td>
</tr>";
```

```
?>

</body>

</html>
```

Output

Experiment Number : 13

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

Program Code

add_book.html

```
<html><head>
<title>add book</title></head>
<body>
<form name="frm1" action="addl.php" method="POST">
<center><b><u>Enter Book Details</u></b><br>
Access Number:<input type="text" name="num"><br>
Title:<input type="text" name="tit"><br>
Author:<input type="text" name="author"><br>
Edition:<input type="text" name="edi"><br>
Publisher:<input type="text" name="pub"><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</form>
</body>
</html>
```

addl.php

```
<?php
$num=$_POST['num'];
$tit=$_POST['tit'];
$author=$_POST['author'];
$edi=$_POST['edi'];
$pub=$_POST['pub'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected";
}
$sql="INSERT INTO book026 VALUES($num,'$tit','$author','$edi','$pub')";
if($con->query($sql))
```

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

book_info.html

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

Search.html

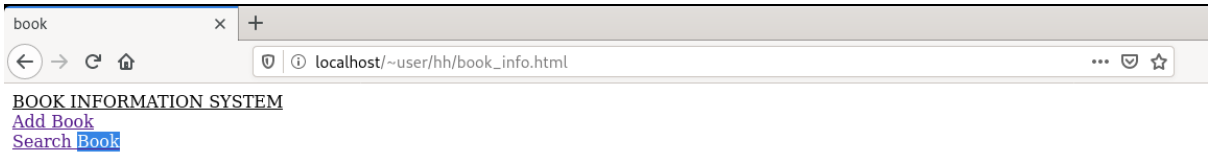
```
<html>
<head>
<title>search</title>
</head>
<body>
<form name="frm2" action="searchl.php" method="POST">
<center>
<b><u>SEARCH A BOOK</u></b><br>
Enter book title:<input type="text" name="txt"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>
```

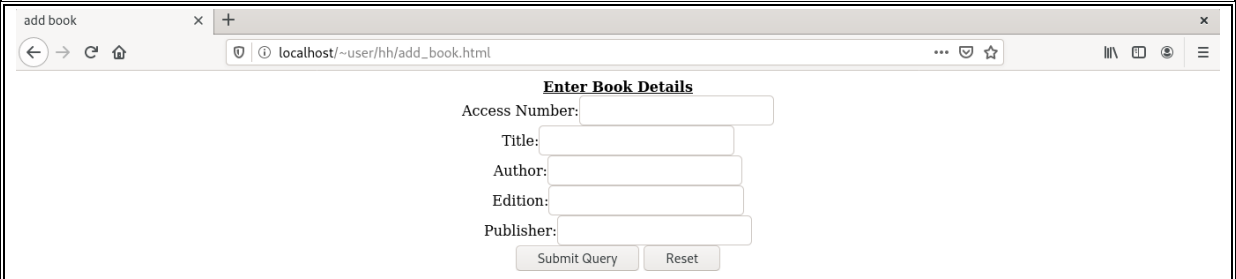
Searchl.php

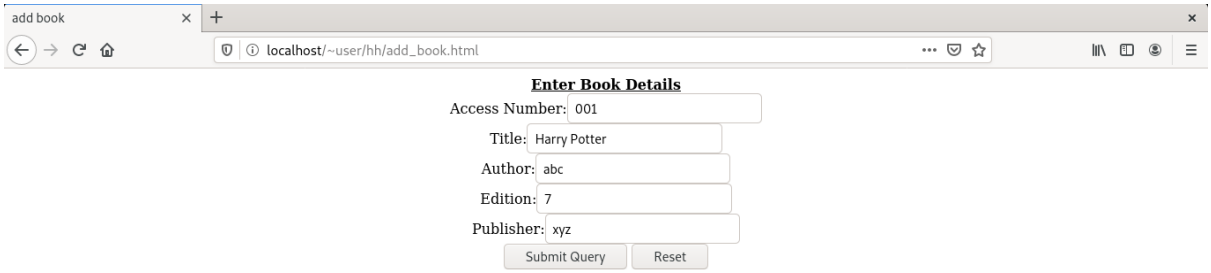
```
<?php
$title=$_POST['txt'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
```

```
{
echo "connected\n";
}
$sql="select * from book026 where Title='$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();
?>
```

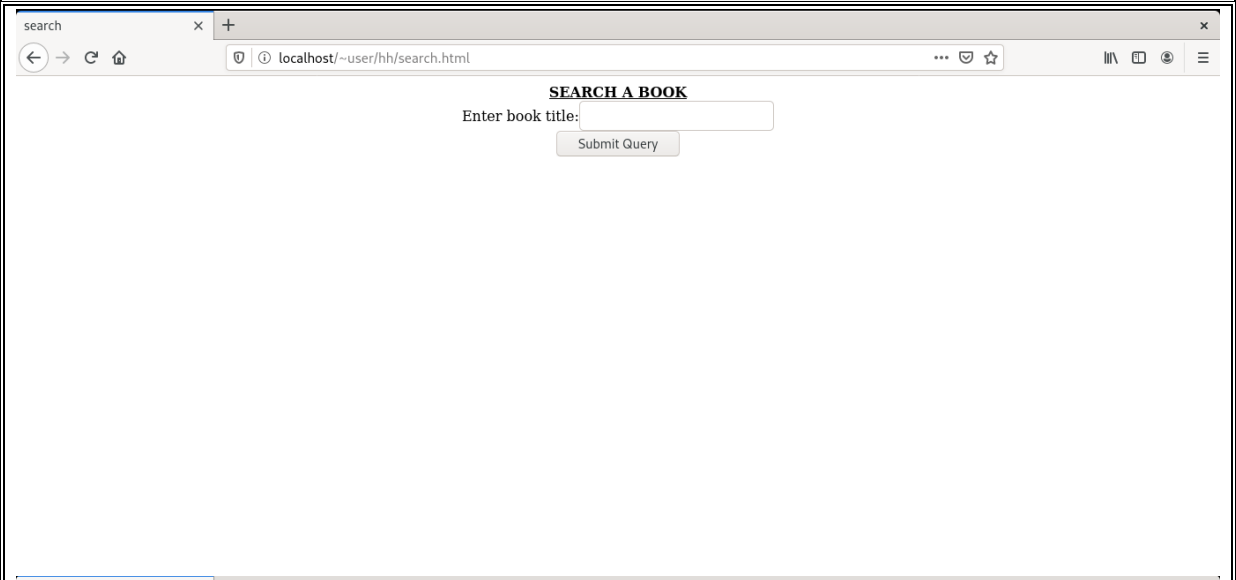
Output

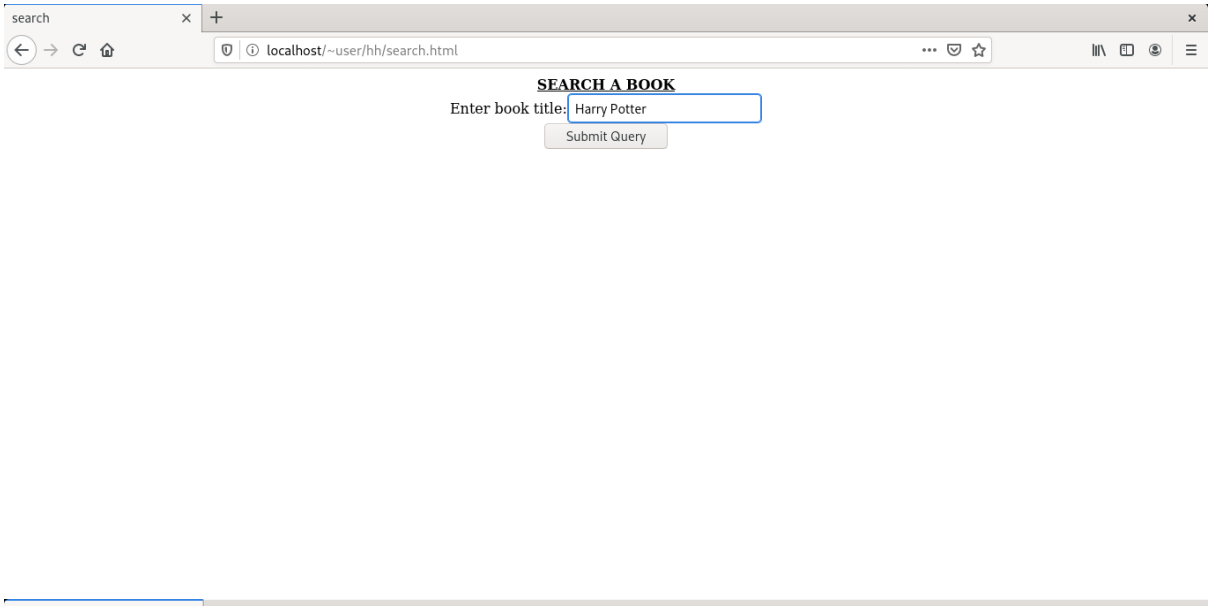






connected
New row added


search
localhost/~user/hh/search.html
SEARCH A BOOK
Enter book title:
Submit Query


search
localhost/~user/hh/search.html
SEARCH A BOOK
Enter book title:
Harry Potter
Submit Query


localhost/~user/hh/searchl.p
localhost/~user/hh/searchl.php
connected 1:Harry Potter:abc:7:xyz

Experiment Number : 14

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

Program Code

Addl.html

```
<html><head>
<title>Airline details</title></head>
<style>

     label {
       display: inline-block;
       width: 300px;
     }
   </style>
<body>
<form name="frm1" action="addl.php" method="POST">
<b><u>Enter Airline Details</u></b><br><br>
<label>Airline Number:</label>
<input type="number" name="num"><br></b><br>
<label>Name:</label>
<input type="text" name="name"><br></b><br>
<label>Source:</label>
<input type="text" name="src"><br></b><br>
<label>Destination:</label><input type="text" name="dstn"><br></b><br>
<label>Date:</label><input type="date" name="date"><br></b><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</form>
</body>
</html>
```

Addl.php

```
<?php
$num=$_POST['num'];
$name=$_POST['name'];
$src=$_POST['src'];
$dstn=$_POST['dstn'];
$date=$_POST['date'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect\n";
}
```

```
else
{
echo "connected\n";
}
$sql="INSERT INTO airline34 VALUES($num,'$name','$src','$dstn','$date')";
if($con->query($sql))
{
echo "<BR>";
echo "New row added\n";
}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>
```

Airline.html

```
<html>
<head>
<title>Airline</title>
</head>
<body align="center"><u>AIRLINE SYSTEM</u><br><br>
<a href="add.html">Add Airline</a><br><br>
<a href="search.html">Search Airline</a><br>
</body>
</html>
```

Search,html

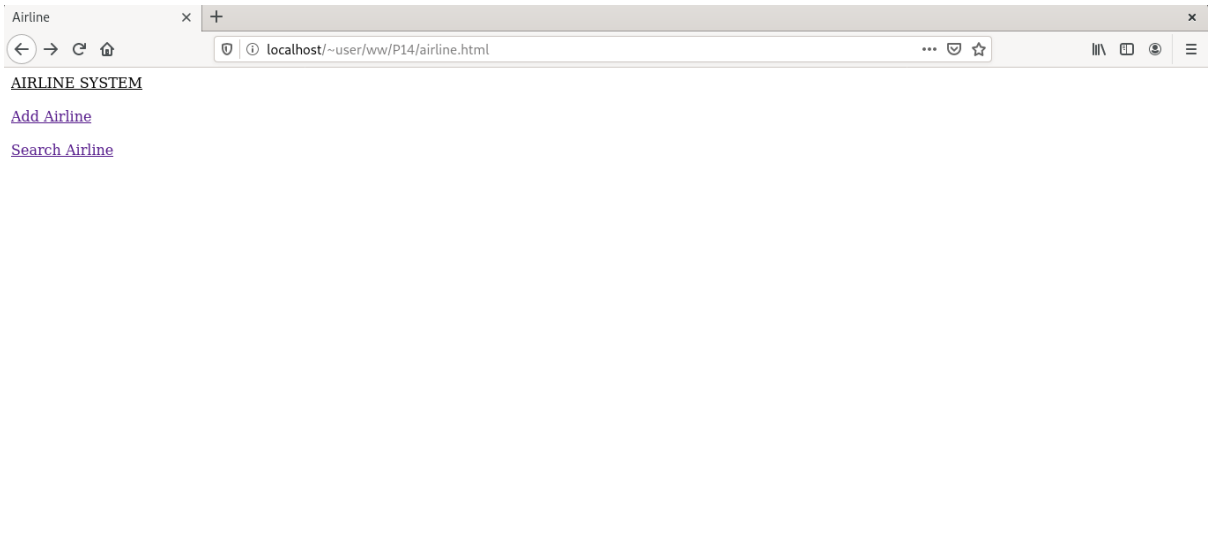
```
<html>
<head>
<title>search</title>
<style>

     label {
       display: inline-block;
       width: 300px;
     }
   </style>
</head>
<body>
<form name="frm2" action="searchl.php" method="POST">
<b><u>SEARCH AIRLINE</u></b><br><br>
<label>Enter Source:</label>
<input type="text" name="src"><br><br>
<label>Enter Destination:</label>
```

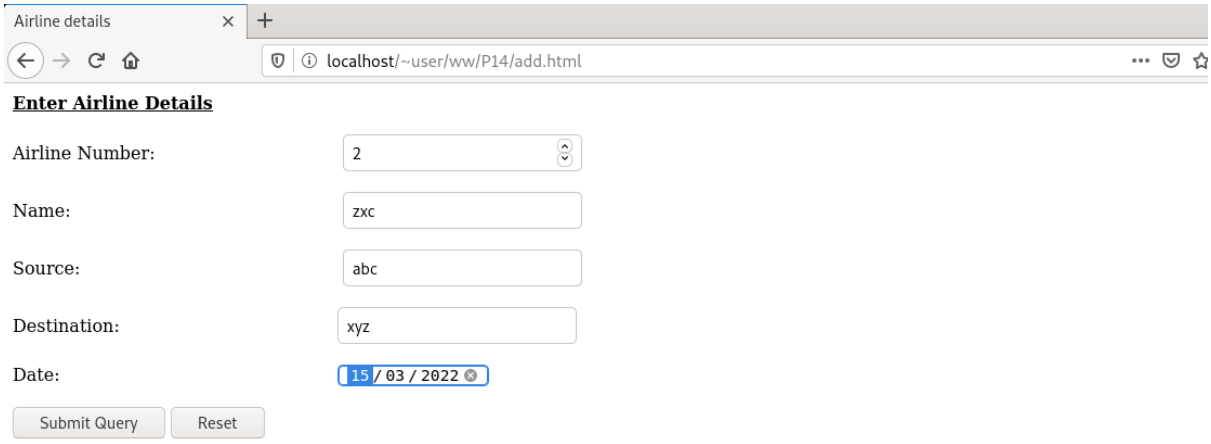
```
<input type="text" name="dstn"><br><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>
```

Search.php

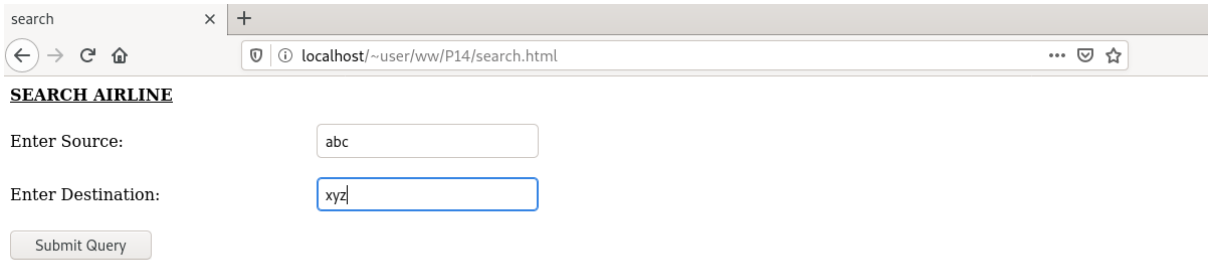
```
<?php
$src=$_POST['src'];
$dstn=$_POST['dstn'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected\n";
}
$sql="select * from airline34 where Source='$src' and Destination='$dstn'";
if($result=$con->query($sql))
{
if($result->num_rows>0)
{
while($row=$result->fetch_array())
{ echo "\n".$row[0].":".$row[1].":".$row[2].":".$row[3].":".
  $row[4]."\n\n";}

$result->close();
}
else
{
echo "\nCould not found the book"; }
}
else
{ echo "\nError:could not connect"; }
$con->close();
?>
```

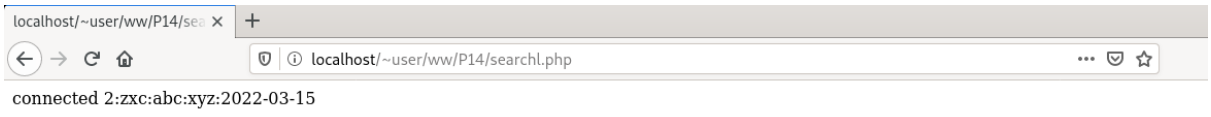
Output


Airline
localhost/~user/ww/P14/airline.html
AIRLINE SYSTEM
Add Airline
Search Airline


Airline details
localhost/~user/ww/P14/add.html
Enter Airline Details
Airline Number:
2
Name:
zxc
Source:
abc
Destination:
xyz
Date:
15 / 03 / 2022
Submit Query
Reset


localhost/~user/hh/addl.php
localhost/~user/hh/addl.php
connected
New row added


search
localhost/~user/ww/P14/search.html
SEARCH AIRLINE
Enter Source:
abc
Enter Destination:
xyz
Submit Query


localhost/~user/ww/P14/sea
localhost/~user/ww/P14/searchl.php
connected 2:zxc:abc:xyz:2022-03-15