

# **20MCA133 – WEB PROGRAMMING LAB**

## **LABORATORY RECORD**

*Submitted in partial fulfilment of the requirements for the award of*

*Masters of Computer Applications*

*At*

## **COLLEGE OF ENGINEERING POONJAR**

**Managed by I.H.R.D., A Govt. of Kerala undertaking**

*(Affiliated to APJ Abdul Kalam Technological University)*



**SUBMITTED BY**

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**COLLEGE OF ENGINEERING POONJAR**

# COLLEGE OF ENGINEERING POONJAR

Managed by I.H.R.D., A Govt. of Kerala undertaking

*(Affiliated to APJ Abdul Kalam Technological University)*



## CERTIFICATE

Certified that this is a Bonafide record of practical work done in Web Programming Lab (20MCA133) by **JEREMIAH GEORGE, Reg No.PJR24MCA-2010** of College of Engineering, Poonjar during the academic year 2024- 2026.

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Submitted to the University Examination held on:

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

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## PROGRAM-1

### AIM

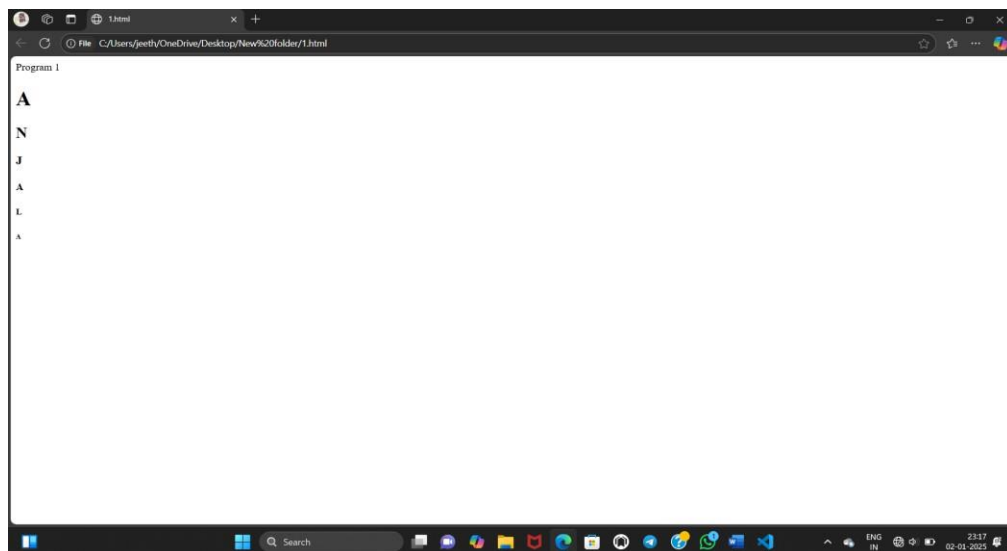
Print your name to the screen with every letter being a different heading size

### SOURCE CODE:

```
<html>
<head>Program 1</head>
<body>
<h1>A</h1><h2>N</h2><h3>J</h3><h4>A</h4><h5>L</h5><h6>A</h6>
</body>
</html>
```

**RESULT:** The program is verified and executed.

### OUTPUT:



**PROGRAM-2****AIM: Display the following text:**

H<sub>2</sub>O

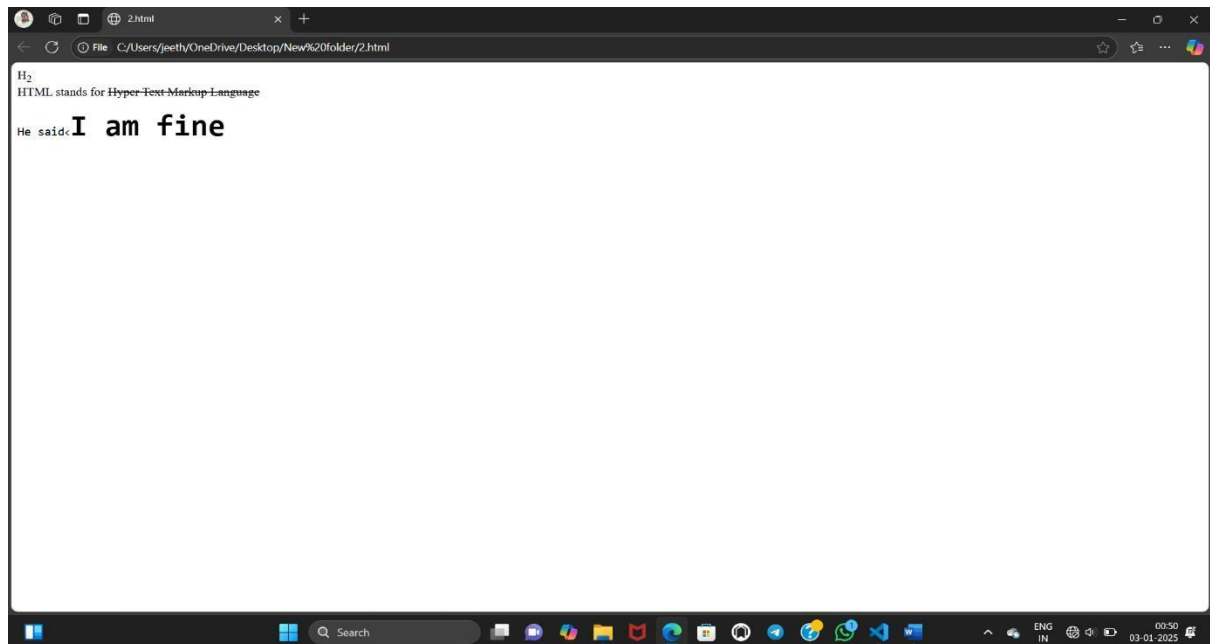
12<sup>th</sup> April 2016

HTML stands for High Text Markup Language

He said <**I am fine**>

**SOURCE CODE:**

```
</html>
<body>
H<sub>2</sub>
<br>
HTML stands for <strike>Hyper Text Markup Language</strike>
<br>
<pre><big>He said</big><<font size=7><b>I am fine</b></font>
</pre>
</body>
</html>
```

**RESULT: The program is verified and executed.****OUTPUT:**

**PROGRAM-3**

**AIM: Print a paragraph with 4 - 5 sentences. Each sentence should be a different font.**

**SOURCE CODE:**

```
<html>
<body>
    <p><font size="6" face="Arial" color="red">Web programming refers to the
writing, markup and coding involved in Web development, which includes Web content, Web
client and server scripting and network security.</font><font size="5" color="blue"
face="Times New Roman"> The most common languages used for Web programming are
XML, HTML, JavaScript, Perl 5 and PHP.</font><font size="3" color="green"
face="Aachen Bold"> Web programming is different from just programming, which requires
interdisciplinary knowledge on the application area, client and server scripting, and database
technology.</font></p>
</body>
</html>
```

**RESULT: The program is verified and executed.**

**OUTPUT:**

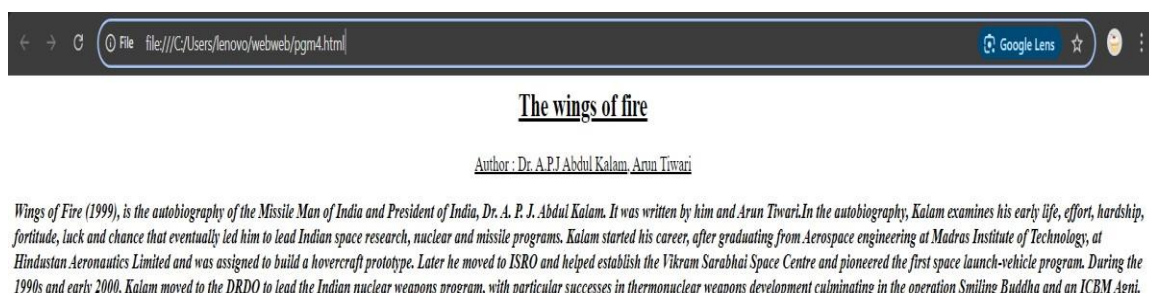
**PROGRAM-4**

**AIM: Print a paragraph that is a description of a book, include the title of the book as well as its author. Names and titles should be underlined, adjectives should be italicized and bolded.**

**SOURCE CODE:**

```
<html>
<body>
<center><u>
<h2>The wings of fire</h2>
<font size="3">Author: Dr. A.P.J Abdul Kalam, Arun Tiwari</font></u>
</center>
<p><i><b>Wings of Fire (1999), is the autobiography of the Missile Man of India and
President of India, Dr. A. P. J. Abdul Kalam. It was written by him and Arun Tiwari. In the
autobiography, Kalam examines his early life, effort, hardship, fortitude, luck and chance that
eventually led him to lead Indian space research, nuclear and missile programs. Kalam started
his career, after graduating from Aerospace engineering at Madras Institute of Technology, at
Hindustan Aeronautics Limited and was assigned to build a hovercraft prototype. Later he
moved to ISRO and helped establish the Vikram Sarabhai Space Centre and pioneered the
first space launch-vehicle program. During the 1990s and early 2000, Kalam moved to the
DRDO to lead the Indian nuclear weapons program, with particular successes in
thermonuclear weapons development culminating in the operation Smiling Buddha and an
ICBM Agni.</i></b></p>
</body>
</html>
```

**RESULT: The program is verified and executed.**

**OUTPUT:**



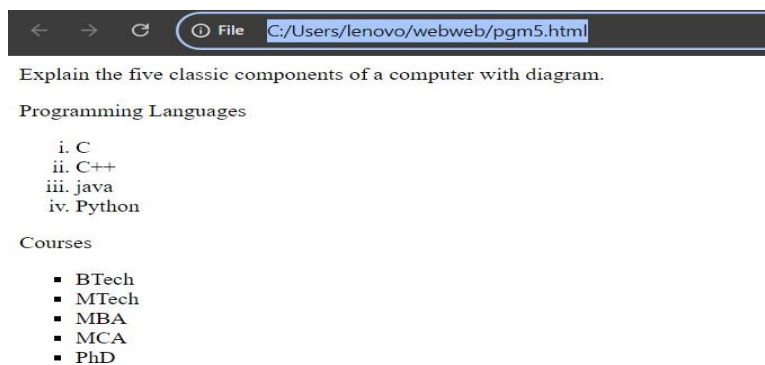
**PROGRAM-5**

**AIM:** Print two lists with any information you want. One list should be an ordered list, the other list should be an unordered list.

**SOURCE CODE:**

```
<html>Explain the five classic components of a computer with diagram.  
  
<body>  
  
<p>Programming Languages</p>  
  
<ol type="i">  
<li>C  
<li>C++  
<li>java  
<li>Python  
</ol>  
  
<p> Courses</p>  
<ul type="square">  
<li>BTech  
<li>MTech  
<li>MBA  
<li>MCA  
<li>PhD  
</ul>  
  
</body>  
  
</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

**PROGRAM-6**

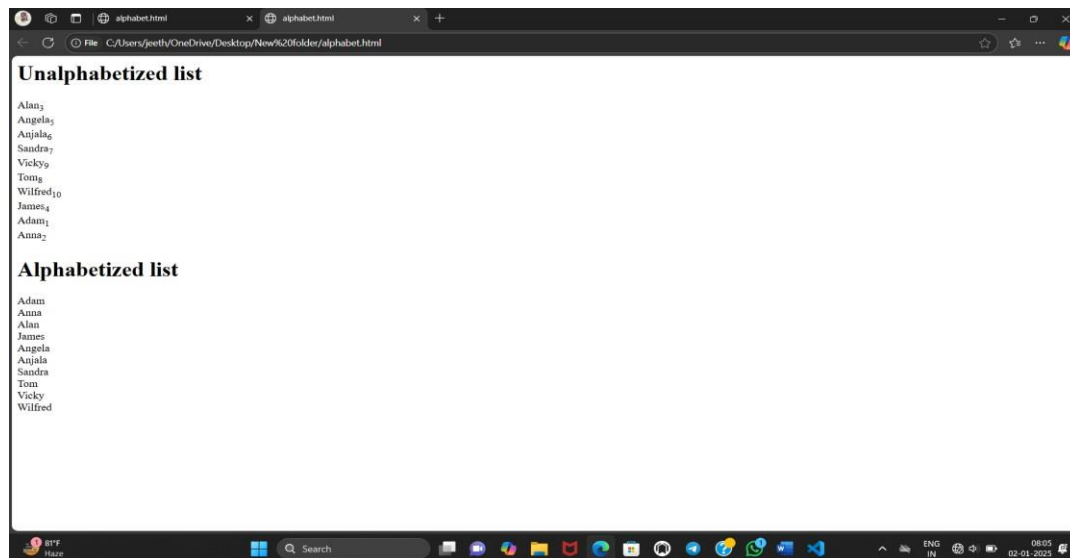
**AIM: Print 10 names with a line break between each name. The list should be alphabetized, and to do this place a subscripted number next to each name based on where it will go in the alphabetized list. (Example: Alan<sub>1</sub>). Print first, the unalphabetized list with a subscript number next to each name, then the alphabetized list. Both lists should have an <h1> level heading.**

**SOURCE CODE:**

```
<html>
<body>
<h1>Unalphabetized list</h1>
Alan<sub>3</sub><br>
Angela<sub>5</sub><br>
Anjala<sub>6</sub><br>
Sandra<sub>7</sub><br>
Vicky<sub>9</sub><br>
Tom<sub>8</sub><br>
Wilfred<sub>10</sub><br>
James<sub>4</sub><br>
Adam<sub>1</sub><br>
Anna<sub>2</sub>
<h1>Alphabetized list</h1>
Adam<br>
Anna<br>
Alan<br>
James<br>
Angela<br>
Anjala<br>
Sandra<br>
Tom<br>
Vicky<br>
Wilfred<br>
</body>
</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**



**PROGRAM-7**

**AIM:** Print the squares of the numbers 1 - 20. Each number should be on a separate line, next to it the number 2 superscripted, an equal sign and the result.

**SOURCE CODE:**

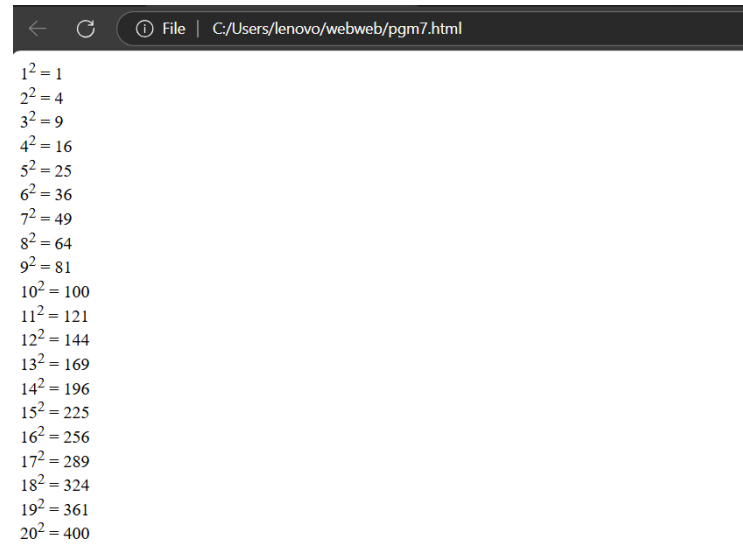
```
<html>

<body>
1<sup>2</sup> = 1<br>
2<sup>2</sup> = 4<br>
3<sup>2</sup> = 9<br>
4<sup>2</sup> = 16<br>
5<sup>2</sup> = 25<br>
6<sup>2</sup> = 36<br>
7<sup>2</sup> = 49<br>
8<sup>2</sup> = 64<br>
9<sup>2</sup> = 81<br>
10<sup>2</sup> = 100<br>
11<sup>2</sup> = 121<br>
12<sup>2</sup> = 144<br>
13<sup>2</sup> = 169<br>
14<sup>2</sup> = 196<br>
15<sup>2</sup> = 225<br>
16<sup>2</sup> = 256<br>
17<sup>2</sup> = 289<br>
18<sup>2</sup> = 324<br>
19<sup>2</sup> = 361<br>
20<sup>2</sup> = 400

</body>

</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

A screenshot of a web browser window. The address bar shows the file path C:/Users/lenovo/webweb/pgm7.html. The main content area displays a list of squares from 1<sup>2</sup> to 20<sup>2</sup>, each on a new line.

```
12 = 1  
22 = 4  
32 = 9  
42 = 16  
52 = 25  
62 = 36  
72 = 49  
82 = 64  
92 = 81  
102 = 100  
112 = 121  
122 = 144  
132 = 169  
142 = 196  
152 = 225  
162 = 256  
172 = 289  
182 = 324  
192 = 361  
202 = 400
```

**PROGRAM-8****AIM: Print a definition list with 5 items.****SOURCE CODE:**

```
<html>

<body>

<dl>

  <dt>HTML</dt>

  <dd>A markup language</dd>

  <dt>Pen</dt>

  <dd>A writing tool</dd>

  <dt>Lettuce</dt>

  <dd>A vegetable</dd>

  <dt>Technology</dt>

  <dd>The development of tools which serve as a means to certain objectives</dd>

  <dt>Megabyte</dt>

  <dd>A unit of data consisting of 1024 kilobytes</dd>

</dl>

</body>

</html>
```

**RESULT: The program is verified and executed.****OUTPUT:**

**PROGRAM-9**

**AIM:**Display an image that has a border of size 2, a width of 200, and a height of 200.

**SOURCE CODE:**

```
<html>

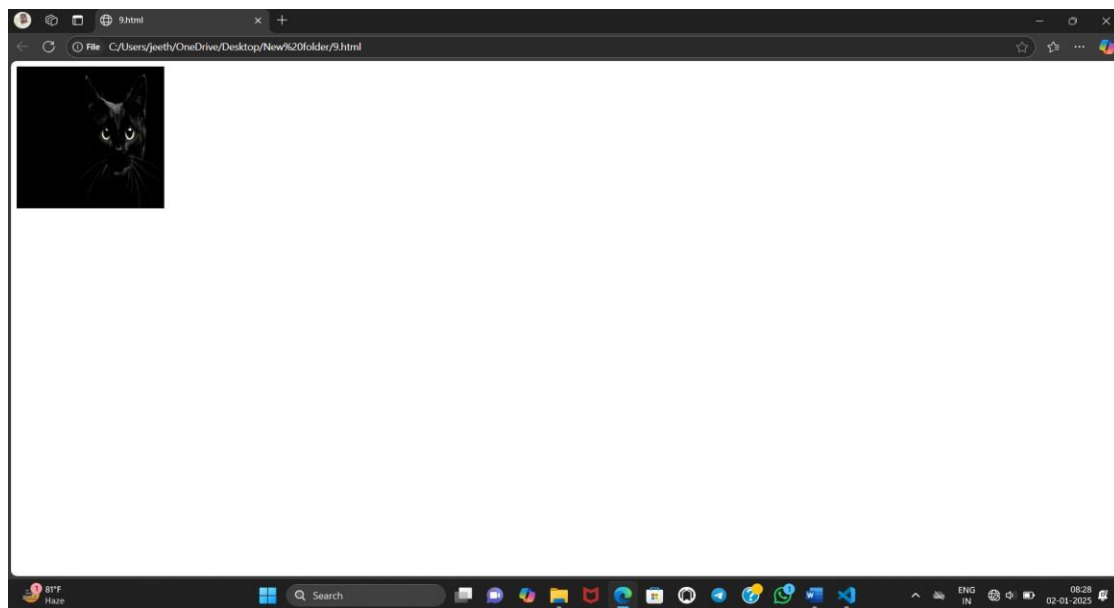
<body>



</body>

</html>
```

**RESULT:**The program is verified and executed.

**OUTPUT:**

**PROGRAM-10**

**AIM:**Print ten acronyms and abbreviations of your choosing, each separated by two lines. Specify the data that the abbreviations and acronyms represent.

**SOURCE CODE:**

```
<html>

<body>

<abbr title="Abstract"> Abstr.</abbr>

<br /><br />

<abbr title="Biochemistry">Biochem.</abbr>

<br /><br />

<abbr title="Example">Ex.</abbr>

<br /><br />

<abbr title="Literature">Lit.</abbr>

<br /><br />

<abbr title="Mathematics">Math.</abbr>

<br /><br />

<acronym title="World Wide Web ">www</acronym>

<br /><br />

<acronym title="Central Processing Unit">CPU</acronym>

<br /><br />

<acronym title="Hyper Text Mark up Language">HTML

</acronym>

<br /><br />

<acronym title="college of engineering poonjar">Cep

</acronym>

<p>

Move your mouse over an abbreviation or acronym to get more data.

</p>

</body>

</html>
```

**RESULT:**The program is verified and executed.



**OUTPUT:**

**PROGRAM-11**

**AIM: Print two addresses in the same format used on the front of envelopes (sender's address in top left corner, receiver's address in the center)**

**SOURCE CODE:**

```
<html>

<body>

<address>
Anjala Michael <br>
Kuzhinjalil (H) <br>
Kurumannu P.O. <br>
Kurumannu , Kottayam <br>
Pin code: 686651

</address>

<br><br>

<center>

<address>

Anna Jos e<br>
Joann Jude (H) <br>
Poonjar, Kottayam <br>
Pin code: 686582

</address>

</center>

</body>

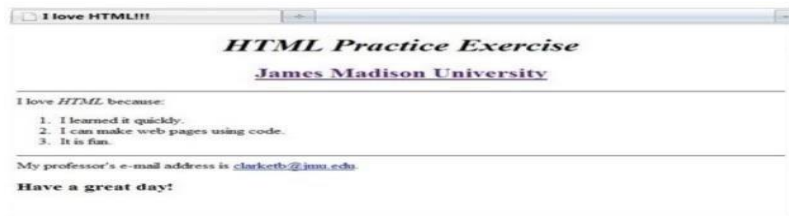
</html>
```

**RESULT: The program is verified and executed.**

**OUTPUT:**

*Anjala Michael  
Kuzhinjalil (H)  
Kurumannu P.O.  
Kurumannu, Kottayam  
Pin code: 686651*

*Anna Jose  
Joann Jude (H)  
Poonjar,Kottayam  
Pin code: 686582*

**PROGRAM-12****AIM: Create an HTML page with the following contents:****SOURCE CODE:**

```
<html>

<head>I love HTML!!!</head>

<body>

<center><h1>HTML Practice Exercise</h1><br>
<u><font size ="5" color="blue">James madison University</font></u></center> <hr>
I love HTML because:<br>

<ol type="1">

    <li>I learned it quickly.

    <li>I can make web pages using code.

    <li>It is fun

</ol>

<hr>

My professor's e-mail address is

<a href=""><u>clarketb@jmu.edu</u></a>

<b>Have a great day!</b>

</body>

</html>
```

**RESULT: The program is verified and executed.**

**OUTPUT:**

I love HTML!!!

**HTML Practice Exercise**

[James madison University](#)

---

I love HTML because:

1. I learned it quickly.
  2. I can make web pages using code.
  3. It is fun
- 

My professor's e-mail address is [cjarketb@jmu.edu](mailto:cjarketb@jmu.edu) Have a great day!

**PROGRAM-13****AIM: Create the following table.**

Time Table					
Hours	Mon	Tue	Wed	Thu	Fri
	Science	Maths	Science	Maths	Arts
	Social	History	English	Social	Sports
	Lunch				
	Science	Maths	Science	Maths	Project
	Social	History	English	Social	

**SOURCE CODE:**

```

<html>

<body>

<table align="center" border="1">

<tr><th colspan="6">Time Table</th></tr>

<tr><th rowspan="7">Hours</th></tr>

<tr>

<td align="center">Mon</td>

<td align="center">Tue</td>

<td align="center">Wed</td>

<td align="center">Thu</td>

<td align="center">Fri</td>

</tr>

<tr>

<td>Science</td>

<td>Maths</td>

<td>Science</td>

<td>Maths</td>

<td>Arts</td>

</tr>

<tr>

<td>Social</td>

<td>History</td>

<td>English</td>

```

```

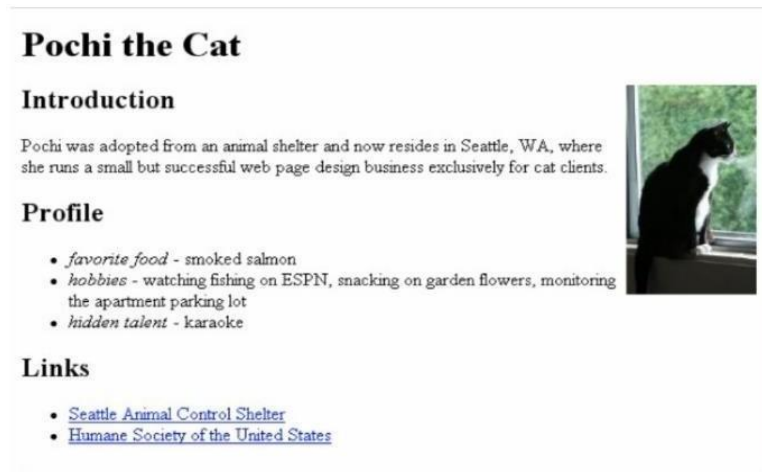
<td>Social</td>
<td>Sports</td>
</tr>
<tr><th colspan="5">Lunch</th></tr>
<tr>
<td>Science</td>
<td>Maths</td>
<td>Science</td>
<td>Maths</td>
<td rowspan="2">Project</td>
</tr>
<tr>
<td>Social</td>
<td>History</td>
<td>English</td>
<td>Social</td>
</tr>
</table>
</body>
</html>

```

**RESULT:**The program is verified and executed.

**OUTPUT:**

Time Table					
	Mon	Tue	Wed	Thu	Fri
	Science	Maths	Science	Maths	Arts
	Social	History	English	Social	Sports
Hours	Lunch				
	Science	Maths	Science	Maths	Project
	Social	History	English	Social	

**PROGRAM-14****AIM: Create a HTML Page which looks like the one given below.****SOURCE CODE:**

```

<html>

<body>



<h1>Pochi the cat</h1><br>

<font size ="5"><b>Introduction</b></font><br>

Pochi was adopted from an animal shelter and now resides in Seattle, WA , where she runs a
small but successful web page design business exclusively for cat clients.<br>

<font size ="5"><b>Profile</b></font>

<ul type="circle">

    <li><i>favorite food - </i>smoked salmon.

    <li><i>hobbies - </i>watching fishing on ESPN, snacking on garden flowers, monitoring
the apartment parking lot    <li><i>hidden talent -</i>karaoke

</ul>

<font size ="5"><b>Links</b></font>

<ul type="circle">

    <li><a href="">Seattle Animal Control Shelter</a>

    <li><a href="">Humane Society of the nited States</a>

</body>

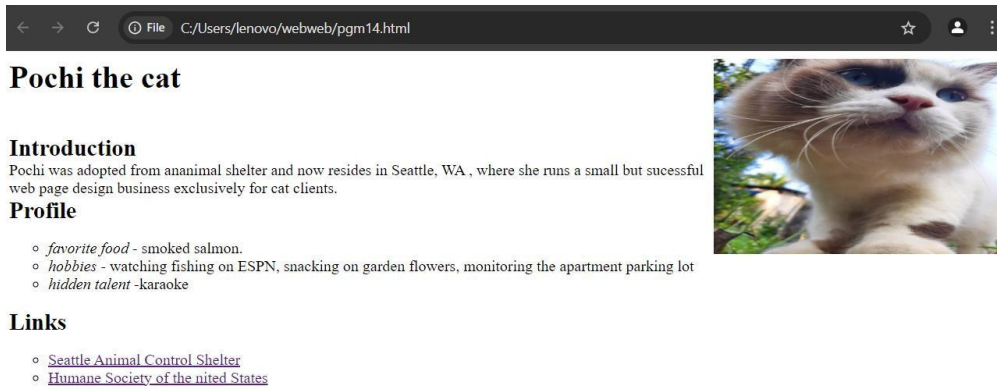
</html>

```



**RESULT: The program is verified and executed.**

## OUTPUT:



**PROGRAM-15**

**AIM:** Create links to three different pages on three different websites that should all open in a new window.

**SOURCE CODE:**

```
<html>

<body>

<style type="text/css">

body{

font-family: times new roman;

font-size: 20px;

text-align: center; }

</style>

<h3><u>Click the following links to visit the websites</u></h3>

<a href="https://www.w3schools.com"target="_blank">W3 Schools</a>

<br>

<a href="https://www.tutorialspoint.com/" target="_blank">Tutorials Point</a>

<br>

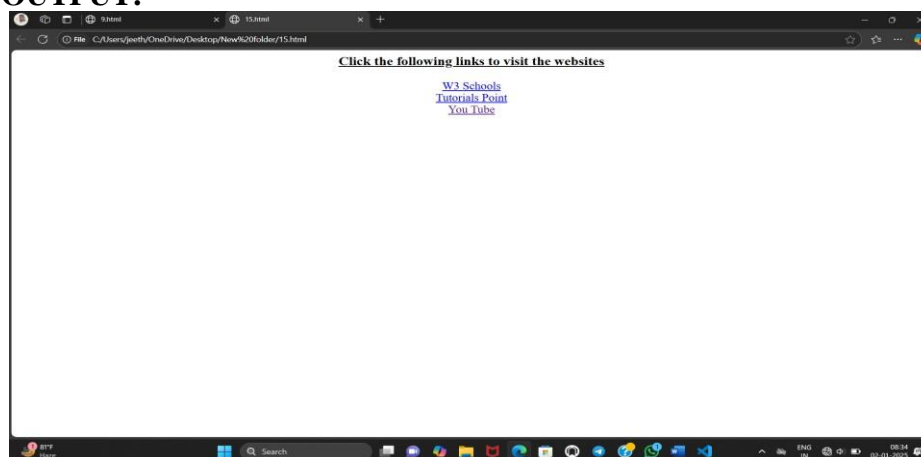
<a href="https://www.youtube.com/" target="_blank">You Tube</a>

<br>

</body>

</html>
```

**RESULT:**The program is verified and executed.

**OUTPUT:**

**PROGRAM-16**

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

**SOURCE CODE:****c2.html**

```
<html>

<head>

<title>Floating Frame</title>

</head>

<body bgcolor="yellow">

<center>

<h1>Floating Frame !!!!!</h1>

<iframe src="13.html" height="50%" width="50%"></iframe>

</center>

</body>

</html>
```

**C2.2.html**

```
<html>

<frameset rows="100%" cols="50%,50%">

<frame src="13.html" />

<frame src="c2.html" />

</frameset>

</html>
```

**RESULT:** The program is verified and executed.

The screenshot shows a Google Chrome browser with two tabs open: '2.1.html' and '2.2.html'. The left window (2.1.html) shows a standard HTML table with a rowspan of 4 for the 'Hours' cell and a colspan of 5 for the 'Lunch' cell. The right window (2.2.html) shows the same table but with a yellow background and the title 'Floating Frame !!!!!', demonstrating the effect of the CSS 'float: right;' property.

**Table 1 (Left Window):**

Time Table					
	Mon	Tue	Wed	Thu	Fri
Hours	Science	Maths	Science	Maths	Arts
	Social	History	English	Social	Sports
	Lunch				
	Science	Maths	Science	Maths	Project
	Social	History	English	Social	

**Table 2 (Right Window):**

Time Table					
	Mon	Tue	Wed	Thu	Fri
Hours	Science	Maths	Science	Maths	Arts
	Social	History	English	Social	Sports
	Lunch				
	Science	Maths	Science	Maths	Project
	Social	History	English	Social	

**PROGRAM-17**

**AIM:** Create a HTML file by applying the different styles using inline, external & internal style sheets.

Internal & Inline CSS

**SOURCE CODE:**

```
<html>

<head>

<style>

body{background-color:DarkViolet;}

h1 {color:red;}

p{color:blue}

</style>

</head>

<body>

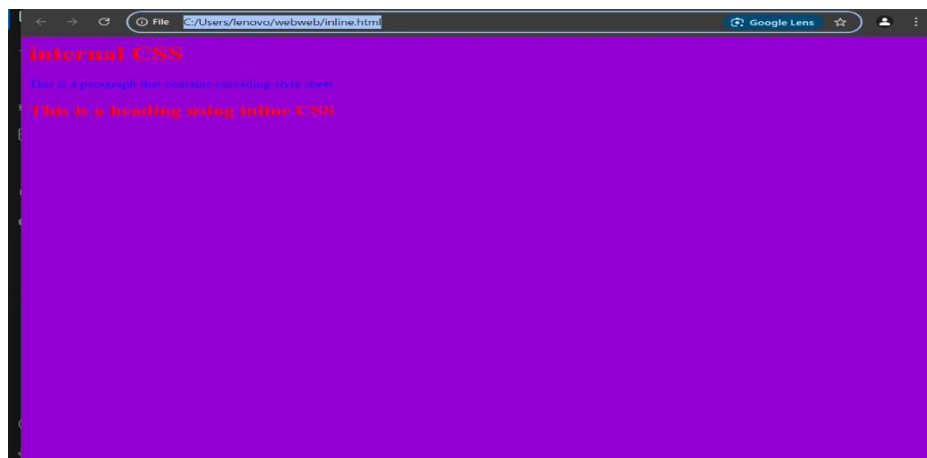
<h1>internal CSS</h1>

<p>This is a paragraph that contains cascading style sheet</p>

<h2 style="color:red">This is a heading using inline CSS</h2>

</body>

</html>
```

**OUTPUT-1:**

## External CSS

### excess.html

```
<html>

<head>

<link rel="stylesheet" href="style.css">

</head>

<body>

<h1>Tree Data Structure</h1>
```

<p>Root: The root node is the topmost node in the tree hierarchy. In other words, the root node is the one that doesn't have any parent. In the above structure, node numbered 1 is the root node of the tree. If a node is directly linked to some other node, it would be called a parent-child relationship.

Child node: If the node is a descendant of any node, then the node is known as a child node.

Parent: If the node contains any sub-node, then that node is said to be the parent of that sub-node.

Sibling: The nodes that have the same parent are known as siblings.</p>

```
</body>

</html>
```

### style.css

```
body{

background-color:DarkBlue;

}

h1{

color:Crimson;

text-align:center;

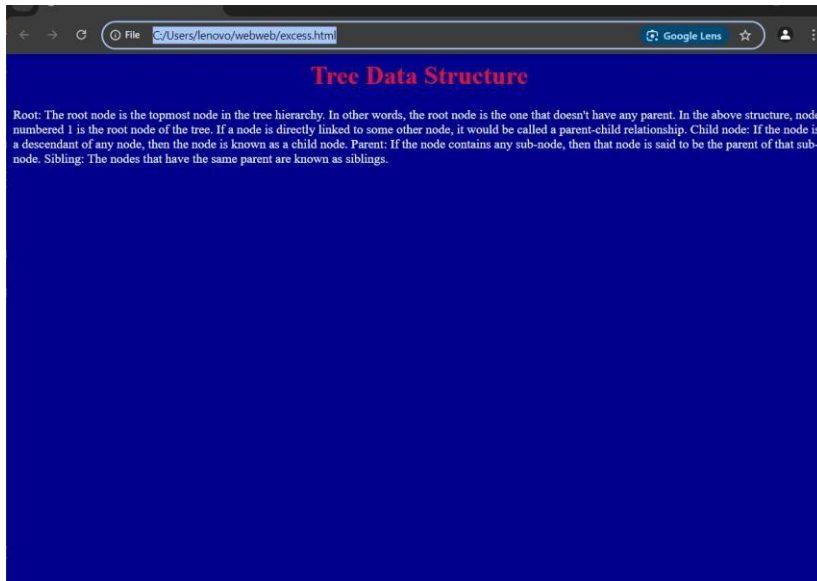
}

p{

text-align:left;

color:Azure;

}
```

**OUTPUT-2:**

**PROGRAM-18****AIM: Create a registration form using HTML.****SOURCE CODE:**

```
<html>

<head>

<title>Registration Form</title>

</head>

<body>

<h1><center>Student Registration</center></h1>

<table align="center">

<form action="" method="">

<tr><td>Name:</td>

      <td><input type="text"></td>

</tr>

<tr><td>Roll No:</td>

      <td><input type="text"></td>

</tr>

<tr><td>Admission Number:</td>

      <td><input type="text"></td>

</tr>

<tr><td>Date of Birth:</td>

      <td><input type="date"></td>

</tr>

<tr><td>Sex:</td>

      <td><input type="radio">

            <label>Male</label>

            <label>Female</label>

      </td>

</tr>

<tr><td>Phone No:</td>
```



```

        <td><input type="text"></td>

</tr>

<tr><td>Email id:</td>

        <td><input type="text"></td>

</tr>

</table>

<center><input type="submit" value="submit">

</form>

</body>

</html>

```

**RESULT: The program is verified and executed.**

**OUTPUT:**



The screenshot shows a Google Chrome browser window with the title "Student Registration". The address bar shows the file path "File | /home/sjcet/anjala007/NP/2.4.html". The form contains the following fields and controls:

- Name:
- Roll No:
- Admission Number:
- Date of Birth:
- Sex: ☐ Male ☐ Female
- Phone No:
- Email id:
- submit:

**PROGRAM-19**

**AIM:** Create an HTML page using frames which are similar to the following one. In the left frame provide hyperlinks to 3 important monuments in the world. On clicking that hyperlink an image of the monument should be displayed in right frame with suitable description

**SOURCE CODE:****2.5.html**

```
<html>

<frameset cols="25%,*">

<frame src="link.html"/>

<frame src="home.html" name="z" />

</frameset>

</html>
```

**home.html**

```
<html>

<style>

h1{

text-align: center;

color: Azure;

}

body{

background-color: DarkMagenta;

}

p{

font-size:30px;

color: AliceBlue;

}

</style>

<body>

<br>

<h1 >Famous Monuments</h1>
```

```
<p><br><br>Taj Mahal  
<br><br>India Gate  
<br><br>Charminar</p>  
</body>  
</html>
```

### **link.html**

```
<html>  
<style>  
a{  
font-size: 30px;  
color: red;  
}  
body{  
background-color: Gold;  
}  
</style>  
<body style="text-align: center">  
<br><br><br><br>  
<h1 align="center"><font face="cooper" color="DarkBlue" size="6">The Famous  
Monuments</font></h1>  
<a href="home.html" target="z">Home</a><br>  
<a href="tajmahal.html" target="z">Taj Mahal</a><br>  
<a href="pyramid.html" target="z">Pyramids of Giza </a><br>  
<a href="coloessium.html" target="z">The Colosseum,Rome</a>  
</body>  
</html>
```

### **tagmahal.html**

```
<html>  
<style>  
body{  
font-family: times new roman;
```

```
font-size: 20px;
background-color: DarkBlue;
}
h1{
color: Azure;
text-align: center;
}
p{
color:Linen;
}
</style>
<body>
<h1>Taj Mahal</h1>
<center></center>
<p>The Taj Mahal 'Crown of the Palace', is an ivory-white marble mausoleum on the
southern bank of the river Yamuna in the Indian city of Agra. It was commissioned in 1632
by the Mughal emperor Shah Jahan (reigned from 1628 to 1658) to house the tomb of his
favorite wife, Mumtaz Mahal; it also houses the tomb of Shah Jahan himself. The tomb is the
centerpiece of a 17-hectare(42-acre) complex, which includes a mosque and a guest house,
and is set in formal gardens bounded on three sides by a crenelated wall. </p>
</body>
</html>
```

### **pyramid.html**

```
<html>
<style>
body{
font-family: times new roman;
font-size: 20px;
background-color: DarkBlue;
}
h1{
color: Azure;
```

```
text-align: center;
}
p{
color:Linen;
}
</style>
<body>
<h1>Great Pyramid of Giza</h1>
<center></center>
<p>The Great Pyramid of Giza is the biggest Egyptian pyramid and the tomb of Fourth
Dynasty pharaoh Khufu. Built in the early 26th century BC during a period of around 27
years,the pyramid is the oldest of the Seven Wonders of the Ancient World, and the only one
to remain largely intact. As part of the Giza pyramid complex, it borders present-day Giza in
Greater Cairo, Egypt.</p>
</body>
</html>
```

### **coloesium.html**

```
<html>
<style>
body{
font-family: times new roman;
font-size: 20px;
background-color: DarkBlue;
}
h1{
color: Azure;
text-align: center;
}
p{
color:Linen;
}
</style>
```

```
<body>
```

```
<h1>The Colosseum,Rome</h1>
```

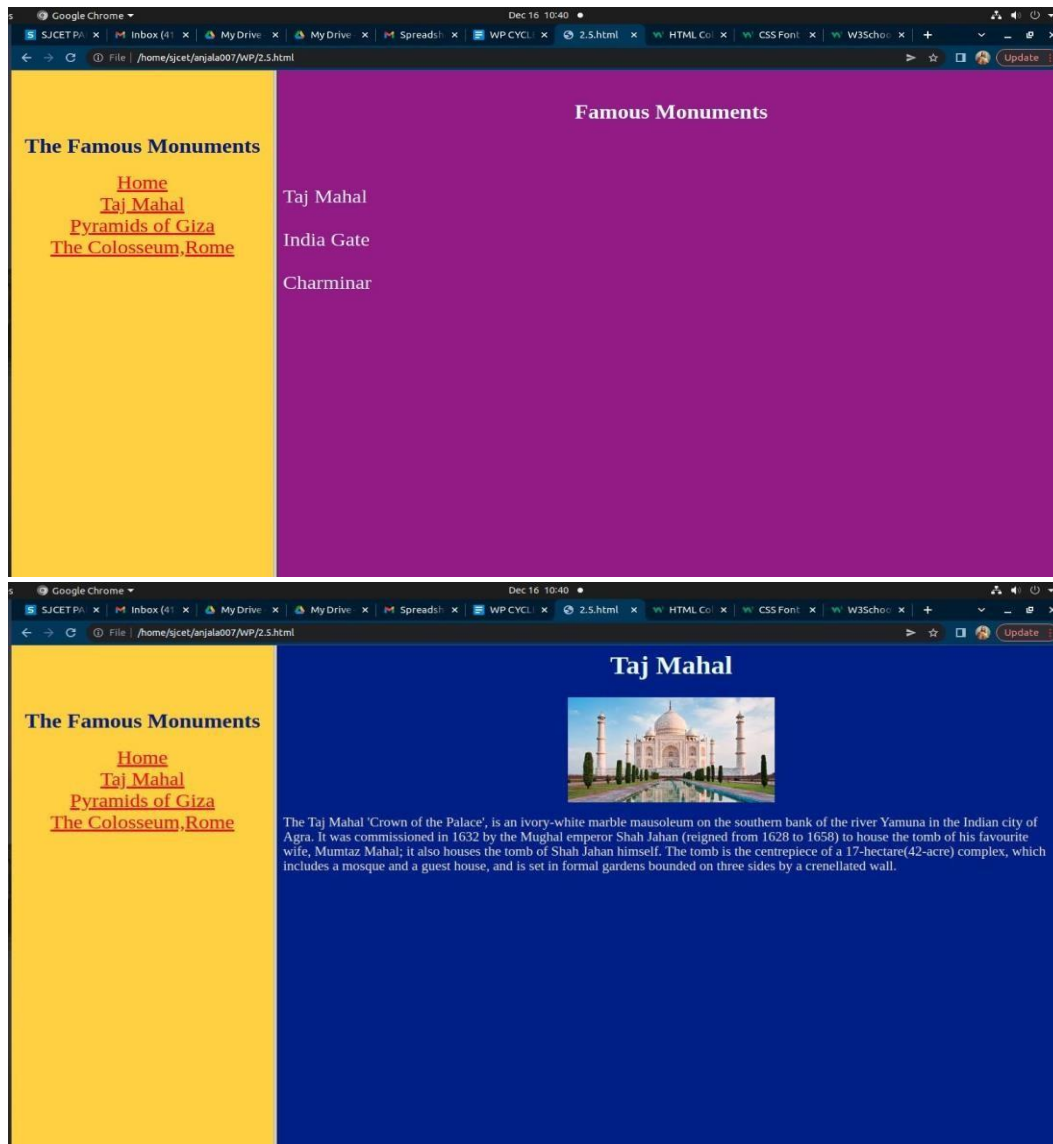
```
<center></center>
```

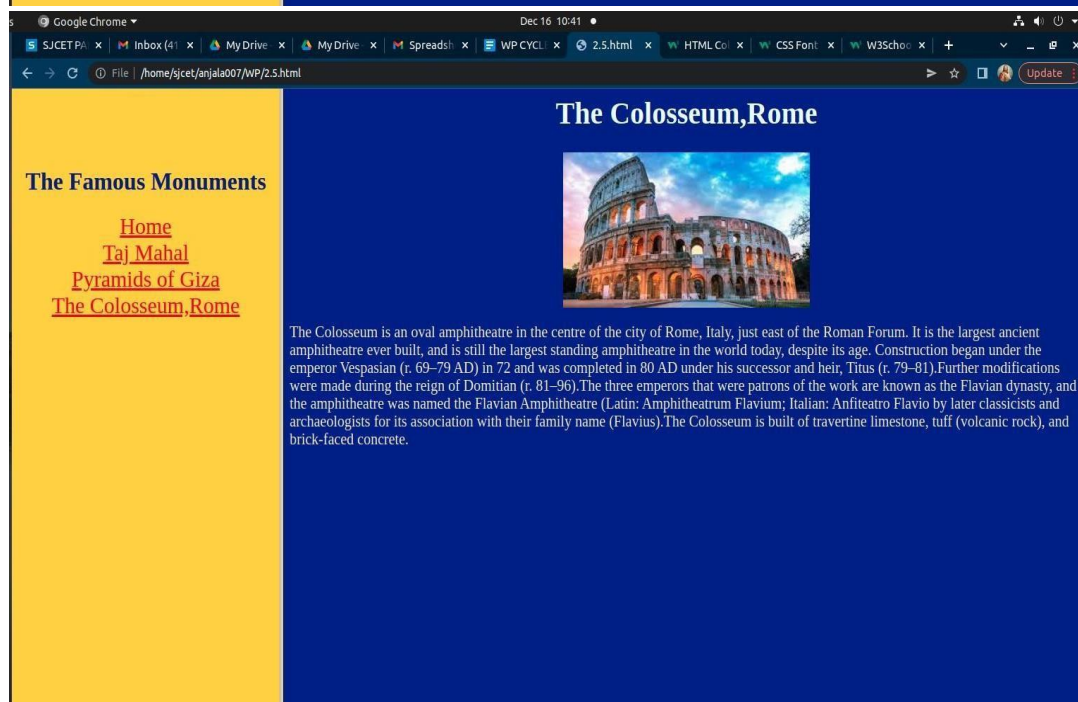
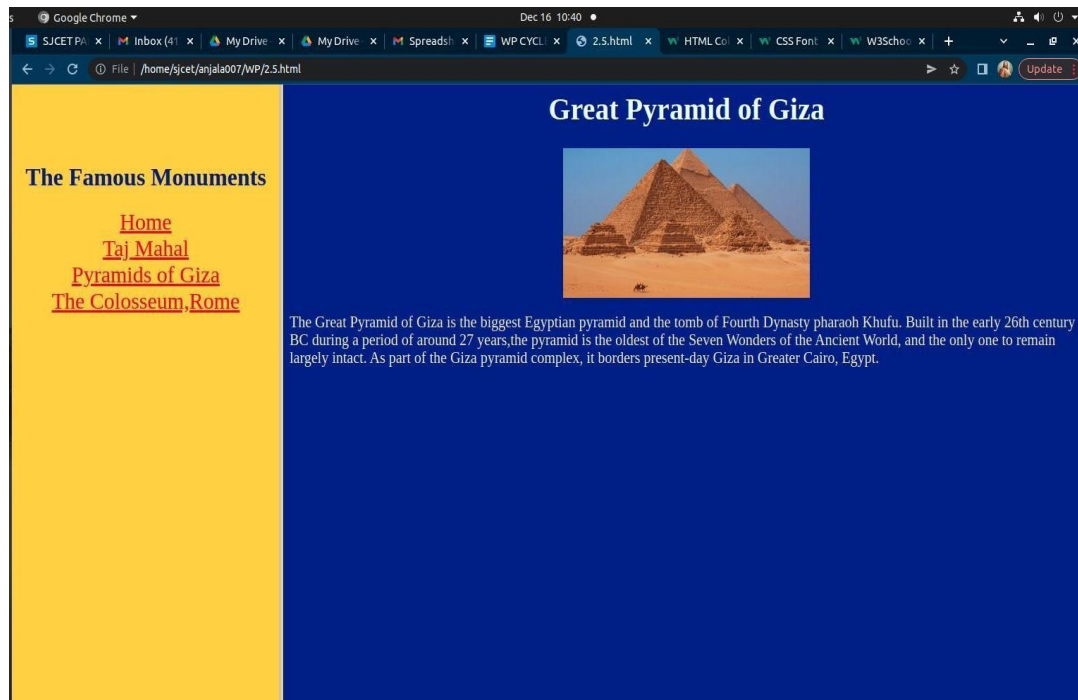
```
<p>The Colosseum is an oval amphitheatre in the centre of the city of Rome, Italy, just east of the Roman Forum. It is the largest ancient amphitheatre ever built, and is still the largest standing amphitheatre in the world today, despite its age. Construction began under the emperor Vespasian (r. 69–79 AD) in 72 and was completed in 80 AD under his successor and heir, Titus (r. 79–81).Further modifications were made during the reign of Domitian (r. 81–96).The three emperors that were patrons of the work are known as the Flavian dynasty, and the amphitheatre was named the Flavian Amphitheatre (Latin: Amphitheatrum Flavium; Italian: Anfiteatro Flavio by later classicists and archaeologists for its association with their family name (Flavius).The Colosseum is built of travertine limestone, tuff (volcanic rock), and brick-faced concrete. </p>
```

```
</body>
```

```
</html>
```

**RESULT: The program is verified and executed.**

**OUTPUT:**





**PROGRAM-20**

**AIM :** Make up three image links for 3 web browsers and put them in a borderless table. Construct the table so that there is just a little space between the images.

**SOURCE CODE:**

```
<html>

<body>

<style>
th,td{ padding: 20px;}
body{
text-align: center;
}
</style>

<table align="center" style="padding-top: 200px">

<tr>

<td><a href="https://www.mozilla.org/en-US/"></a></td>

<td><a href="https://www.yahoo.com/"></a></td>

<td><a href="https://sjcetpalai.ac.in/"></a></td>

</tr>

</table>

</body>

</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

**PROGRAM-21**

**AIM:** Create all <p> elements will be center-aligned, with a red text color

**SOURCE CODE:**

```
<html>

<head>
<style>
p{
color:red;

text-align:center
}
</style>
</head>
<body>

<h1>internal css example</h1>

<p>This is a paragraph that containing CSS. Tthis paragraph is red in color and this is
center aligned paragrah.</p>

</body>
</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

internal css example

This is a paragraph that containing CSS. Tthis paragraph is red in color and this is center aligned paragrah.

**PROGRAM-22**

**AIM:** Set the background color for the page to "linen" and the background color for <h1> to "lightblue".

**SOURCE CODE:**

```
<html>

<head>

<style>

body{

background-color:linen;

}

h1{

background-color:lightblue;

}

</style>

</head>

<body>

<h1>H1 heading with CSS background color property</h1>

</body>

</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

**PROGRAM-23**

**AIM:** Add an external style sheet with the URL: "mystyle.css".

**SOURCE CODE:****HTML code**

```
<html>

<head>

<link rel="stylesheet" href="mystyle.css">

</head>

<body>

<h1>HTML</h1>

<p>The HyperText Markup Language or HTML is the standard markup language for
documents designed to be displayed in a web browser. It can be assisted by technologies such
as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

</p>

</body>

</html>
```

**mystyle.css**

```
body{

background-color:DarkBlue;

}

h1{

color:Crimson;

text-align:center;

}

p{

text-align:left;

color:Azure;

}
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

**PROGRAM-24**

**AIM:** Set "background-color: linen" for the page, using an inline style.

**SOURCE CODE:**

```
<html>

<body style="color:linen">

<h1><font color="red">HTML</h1>

<p>The HyperText Markup Language or HTML is the standard markup language for
documents designed to be displayed in a web browser. It can be assisted by technologies such
as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.</p>

</body>

</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

**PROGRAM-25**

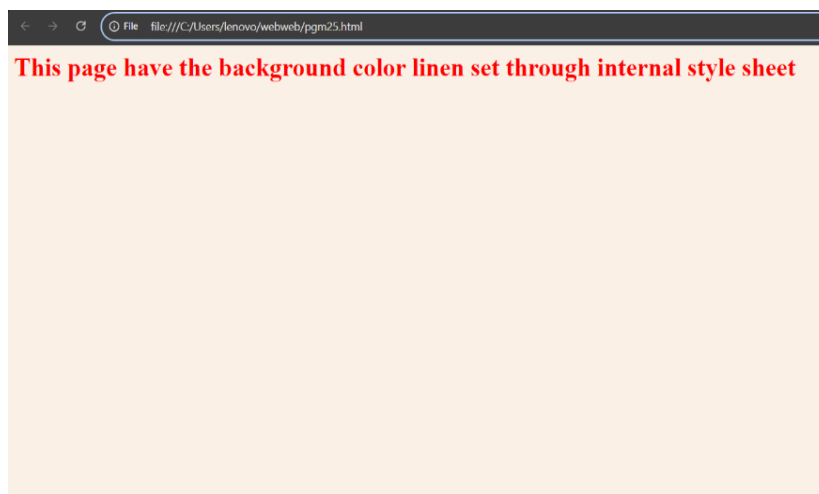
**AIM:** Set "background-color: linen" for the page, using an internal style sheet.

**SOURCE CODE:**

```
<html>

<head>
<style>
body{
    background-color:linen
}
</style>
</head>
<body>
<h1><font color="red">This page have the background color linen set through internal style
sheet</font></h1>
</body>
</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

**PROGRAM-26**

**AIM:** Set the background color for visited and unvisited links to "lightblue", and the background color for the hover and active link states to "yellow".

**SOURCE CODE:**

```
<html>

<head>

<title></title>

</head>

<style>
a{background-color: lightblue;}
a:hover{background-color: yellow;}
</style>

<body>

<p><a href="https://www.youtube.com/" target="_blank">YOUTUBE</a></p><br>

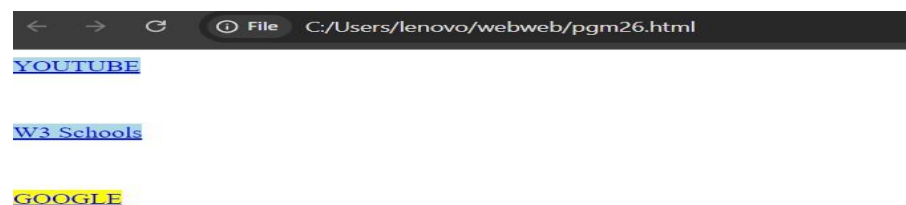
<p><a href="https://www.w3schools.com/" target="_blank">W3 Schools</a></p><br>

<p><a href="https://www.google.com/" target="_blank">GOOGLE</a></p><br>

</body>

</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**



**PROGRAM-27**

**AIM: Create an HTML page to explain the use of various predefined functions in a string and math object in java script.**

**SOURCE CODE:**

```
<html>

<body>

<label>Enter a string:</label><br>

<input type="text" name="str" id="str1"><br><br>

<label>enter number</label>

<input type="text" name="text1" id="id1"><br><br>

<label>enter power</label>

<input type="text" name="text2" id="id2">

<script language="javascript" type="text/javascript">

function add()

{

    var a,b,c,n,m,i,s,sl,sli;

    s=(document.getElementById("str1").value);

    sl=s.length;

    sli=s.slice(5,11);

    a=(document.getElementById("id1").value);

    b=(document.getElementById("id2").value);

    c=Math.pow(a,b);

    n=Math.sqrt(a);

    m=Math.ceil(a);

    i=Math.floor(a);

    (document.getElementById("strlen").value)=sl;

    (document.getElementById("strsli").value)=sli;

    (document.getElementById("ans").value)=c;

    (document.getElementById("sqr").value)=n;

    (document.getElementById("ceil").value)=m;

    (document.getElementById("floor").value)=i;
```

```

}

</script>

<br><br>

<button onclick="add()">Get Result</button>

<br><br>

<label>Length of the String :</label>

<input type="text" id="strlen"><br><br>

<label>Slice String :</label><br>

<input type="text" id="strsli"><br><br>

<label><b><u>Power of a number</u></b></label><br>

<input type="text" id="ans"><br><br>

<label><u><b>Squareroot of the number</b></u></label><br>

<input type="text" id="sqr"><br><br>

<label><u><b>Ceil of the number</b></u></label><br>

<input type="text" id="ceil"><br><br>

<label><u><b>floor of the number</b></u></label><br>

<input type="text" id="floor">

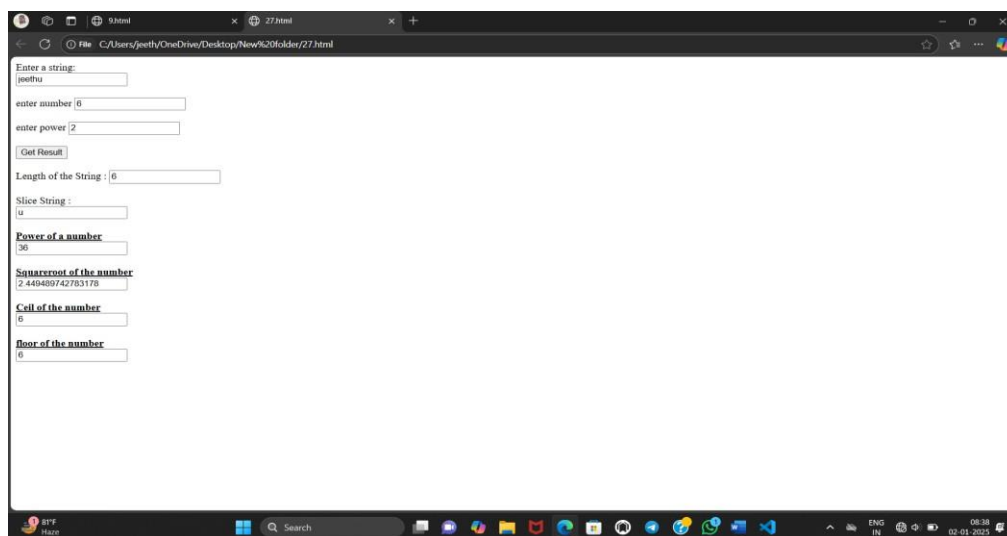
</body>

</html>

```

**RESULT: The program is verified and executed.**

**OUTPUT:**



**PROGRAM-28**

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

**SOURCE CODE:**

```

<html>

<body>
YEAR : <input type="text" id="year_get"><br><br>
MONTH (1 - 12): <input type="text" id="month_get"><br>

<input type="button" id="subtn" value="Display Calender" onclick="generate()"
><br><br><br>

<div id="content"> </div>

</body>

<script>
function generate()
{
var init_content = "<table BORDER=1
id='calender'><tr><th>Sun</th><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th><th>
Fri</th><th>Sat</th></tr><tr>"

var year_get = document.getElementById("year_get").value;
var month_get = document.getElementById("month_get").value;
month_get -=1;

var date = new Date(year_get,month_get);
var day = date.getDay();
for (var i = 0; i < day; i++){
init_content += "<td></td>";
}

while (date.getMonth() == month_get)
{
init_content += "<td>" + date.getDate() + "</td>";
if (date.getDay() == 6)
{
init_content += "</tr><tr>";

```

```

}

date.setDate(date.getDate() + 1);

}

init_content += "</table>" document.getElementById("content").innerHTML =
init_content;

}

</script>

</html>

```

**RESULT:** The program is verified and executed.

**OUTPUT:**

YEAR :

MONTH (1 - 12):

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						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-29**

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

**SOURCE CODE:**

```
<html>

<head>
<script type="text/javascript">
function check()
{
    if(document.getElementById('name').value == "")
        alert("Please enter your name");
    if(document.getElementById('user').value == "")
        alert("Please enter a username");
    var email = document.getElementById('mail');
    var filter = /^[a-zA-Z0-9_\.|-]+\@((([a-zA-Z0-9\ -a-zA-Z0-9]{2,4})+)$|);
    If (!filter.test(email.value))
    {
        alert('Please enter a valid email address');
    }
    if((document.getElementById('pswd').value == "")&&
(document.getElementById('cpswd').value == ""))
        alert("Please enter your password");
    if((document.getElementById('pswd').value) !=
(document.getElementById('cpswd').value))
        alert("Password does not match");
}
</script>

</head>

<body>
<center>
<form>
```

```
<u><h1>REGISTRATION</h1></u>
```

```
Name : <input type="text" id="name"><br><br>
```

```
Username : <input type="text" id="user"><br><br>
```

```
Email : <input type="text" id="mail"><br><br>
```

```
Password : <input type="password" id="pswd"><br><br>
```

```
Confirm password : <input type="password" id="cpswd"><br><br>
```

```
<input type="submit" id="submit" onclick="check()">&emsp;<input type="reset">
```

```
</form>
```

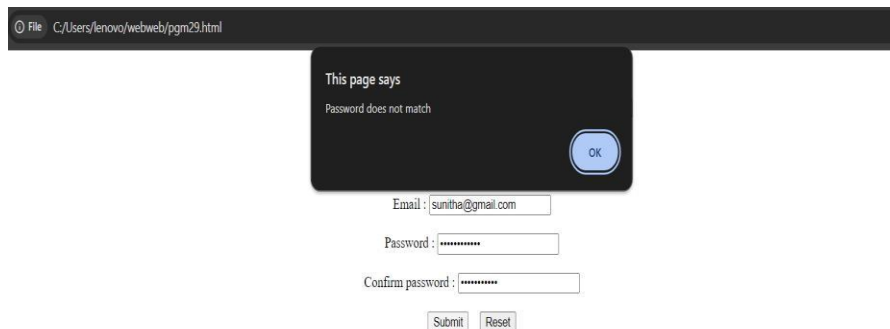
```
</center>
```

```
</body>
```

```
</html>
```

**RESULT: The program is verified and executed.**

**OUTPUT:**



**PROGRAM-30**

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

**SOURCE CODE:**

```
<html>

<body>

<script>

function change()
{
    var color = "#" + Math.random().toString(16).slice(2,8);
    document.body.style.backgroundColor = color;
}

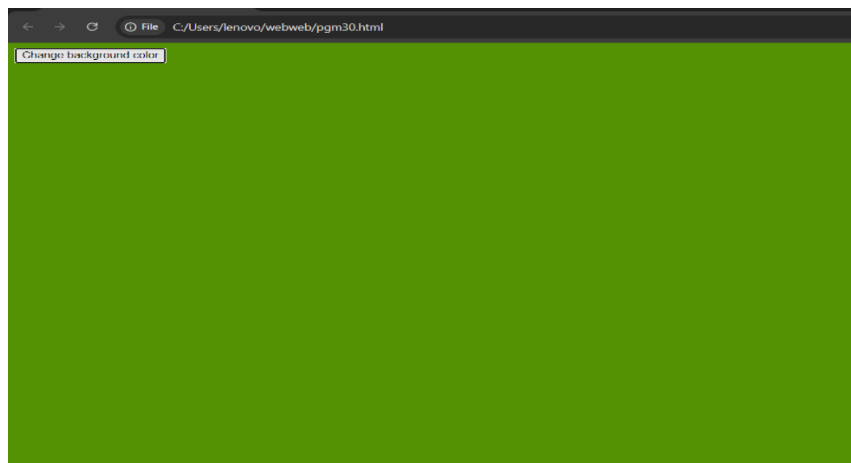
</script>

<button type="submit" onclick="change()">Change background color</button>

</body>

</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

**PROGRAM-31**

**AIM:** Create a HTML page to display a new image and text when the mouse comes over the existing content in the page using JavaScript Event Handling

**SOURCE CODE:**

```
<html >

<body>

<div class="a" id="a">

<br><br>

<h1 id="text1">Taj Mahal,Agra</h1>

<h1 id="text2">The colosseum,Rome</h1>

</div>

<script>

document.getElementById("a").addEventListener("mouseover",ab);
document.getElementById("a").addEventListener("mouseout",bc);

function ab() {
document.getElementById('image').src = "colosseum.jpeg";
document.getElementById('text1').style.display="none";
document.getElementById('text2').style.display="block"
}

function bc() {
document.getElementById('image').src = "taj.jpeg";
document.getElementById('text1').style.display="block";
document.getElementById('text2').style.display="none";
}

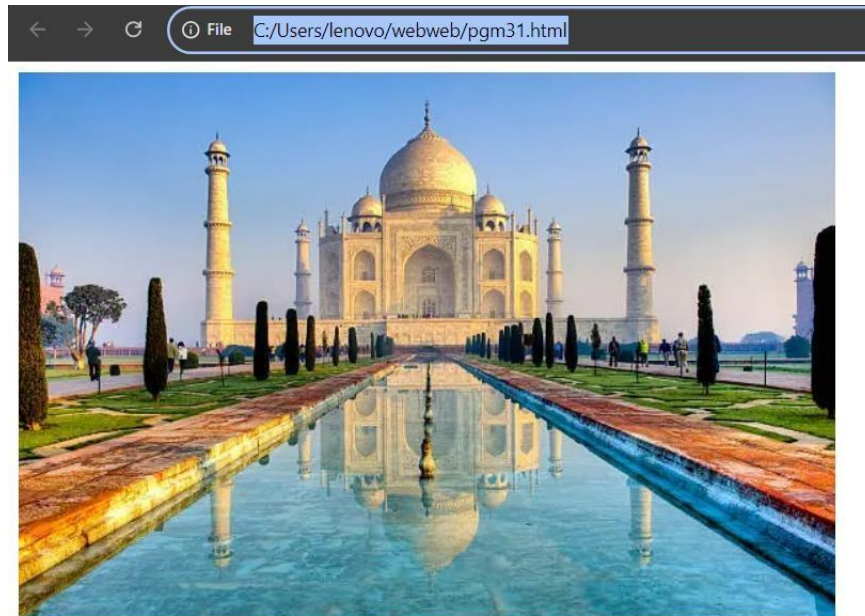
</script>

</body>

</html>
```

**RESULT:** The program is verified and executed.



**OUTPUT:**

**Taj Mahal,Agra**

**PROGRAM-32****AIM: Create a HTML page to show online exams using JavaScript****SOURCE CODE:**

```
<html>

<head>
<script type="text/javascript">
var i=0;

function exam()
{
if(document.f1.n1[0].checked)
i=i+1;
if(document.f1.n2[0].checked)
i=i+1;

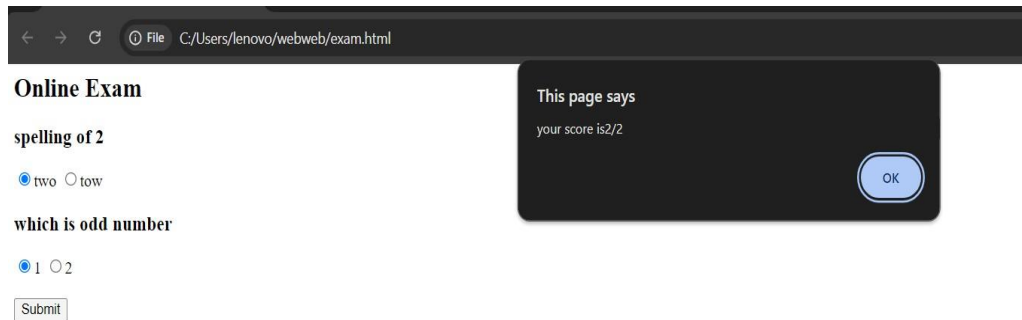
alert("your score is "+i+"/2");
}
</script>
</head>
<body>
<h2>Online Exam</h2>
<form name="f1">
<h3>spelling of 2</h3>
<input type="radio" id="2" name="n1" value="two">two
<input type="radio" id="2" name="n1" value="tow">tow
<h3>which is odd number</h3>
<input type="radio" id="1" name="n2" value="1">1
<input type="radio" id="1" name="n2" value="2">2
<br>
<br>
<input type="submit" value="Submit" onclick="exam()">
</form>
```

```
</body>
```

```
</html>
```

**RESULT: The program is verified and executed.**

**OUTPUT:**



**PROGRAM-33****AIM: Outline a registration form using PHP and do necessary validations.****SOURCE CODE:**

```
<html>

<body>

<h1>Registration form</h1>

<form action = "" method = "POST">

Username : <input type="text" name="username"><br> <br>
Email : <input type="text" name="email"><br> <br>
Password : <input type="text" name="pass"><br> <br>
Confirm password : <input type="text" name="cpass"><br> <br>
<input type="submit" value="Register">

<?php
if (empty($_POST['username']) ||
empty($_POST['pass']) ||
empty($_POST['email']) ||
empty($_POST['cpass']))
{
die("Please fill all required fields!");
}
if ($_POST['pass'] != $_POST['cpass'])
{
die ('Password and confirm password should match');
}
else
{
die("successfull");
}
?>

</form>
```

</body>

</html>

**RESULT:** The program is verified and executed.

**OUTPUT:**

## Registration form

Username :

Email :

Password :

Confirm password :

Please fill all required fields!

## Registration form

Username :

Email :

Password :

Confirm password :

successfull

**PROGRAM-34**

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

**SOURCE CODE:**

```
<html>

<head>

<title>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;

    }

}

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>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>
```

**RESULT:** The program is verified and executed.

**OUTPUT:****Electricity Bill** 

Total amount of 25 - 87.50



**PROGRAM-35**

**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
$a = array("Anjala", "Christeena", "Blessey", "Angela");
print_r($a);
echo("<br>Ascending order : ");
asort($a);
print_r($a);
echo("<br>Descending order : ");
arsort($a);
print_r($a);
?>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

```
Array ( [0] => Anjala [1] => Christeena [2] => Blessey [3] => Angela )
Ascending order : Array ( [3] => Angela [0] => Anjala [2] => Blessey [1] => Christeena )
Descending order : Array ( [1] => Christeena [2] => Blessey [0] => Anjala [3] => Angela )
```

**PROGRAM-36**

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

**SOURCE CODE:**

```
<?php
$cricket=array(array('M S Dhoni',40),
array('Virat Kohli',33),
array('Sachin Tendulkar',48),
array('Rohit Sharma',36),
array('Sanju Samson',28));

?>

<html>
<table border="1"><tr><th>Name</th><th>Age</th></tr>
<tr><td><?php echo $cricket[0][0] ?></td><td><?php echo $cricket[0][1]?></td></tr>
<tr><td><?php echo $cricket[1][0] ?></td><td><?php echo $cricket[1][1]?></td></tr>
<tr><td><?php echo $cricket[2][0] ?></td><td><?php echo $cricket[2][1]?></td></tr>
<tr><td><?php echo $cricket[3][0] ?></td><td><?php echo $cricket[3][1]?></td></tr>
<tr><td><?php echo $cricket[4][0] ?></td><td><?php echo $cricket[4][1]?></td></tr>
</table>

</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

Name	Age
M S Dhoni	40
Virat Kohli	33
Sachin Tendulkar	48
Rohit Sharma	36
Sanju Samson	28

**PROGRAM-37**

**AIM: Develop a PHP program to connect to a database and retrieve data from a table and show the details in a neat format.**

**SOURCE CODE:****Config.php**

```
<?php
$mysql_host="localhost";
$mysql_user="22mca007";
$mysql_password="2547";
$conn=mysqli_connect($mysql_host,$mysql_user,$mysql_password);
if(mysqli_select_db($conn,'22mca007'))
{echo 'connected';}
else{echo 'falied';}

?>
```

**Reg.php**

```
<?php
include "config.php";
if(isset($_POST['submit']))
{
$name=$_POST['name'];
$email=$_POST['email'];
$password=$_POST['password'];
$sql = "INSERT INTO `local` ( `name`, `email`, `password`) VALUES ( '$name', '$email', '$password')";
$result=$conn->query($sql);
if($result==TRUE)
{
echo "new record created successfully";
}
else
{
```

```
echo "Error".$sql."<br>".$conn->error;
}
$conn->close();
}
?>

<html>

<body>

<h2> Signup Form </h2>

<form action="" method="POST">

<fieldset>

<legend> Personal Information </legend>

First Name:<br>

<input type="text" name="name">

<br>

Email:<br>

<input type="email" name="email">

<br>

Password:<br>

<input type="password" name="password">

<br><br>

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

<br>

<a href="view.php" >VIEW DATA</a>

</fieldset>

</body>

</html>

view.php

<?php

include "config.php";

$sql = " SELECT * FROM `local` " ;
```

```
$result=$conn->query($sql);

?>

<html>

<head>

<title>view page</title>

</head>

<body>

<div class="container">

<h2>VIEW</h2>

<table border="1">

<tr>

<th>sino</th>

<th>Name</th>

<th>Email</th>

<th>Password</th>

</tr>

<?php

if($result->num_rows>0)

{

while($row=$result->fetch_assoc())

{

?>

<tr>

<td><?php echo $row['sino'];?></td>

<td><?php echo $row['Name'];?></td>

<td><?php echo $row['Email'];?></td>

<td><?php echo $row['password'];?></td>

<?php

}

}
```

```
?>
```

```
</table>
```

```
</html>
```

**RESULT:** The program is verified and executed.

**OUTPUT:**

connectednew record created successfully

### Signup Form

Personal Information

First Name:

Email:

Password:

[VIEW DATA](#)

connected

### Signup Form

Personal Information

First Name:

Email:

Password:

[VIEW DATA](#)

connected

### VIEW

sino	Name	Email	Password
1	anjala michael	anjalamichaelk@gmail.com	123
2	anjala michael	anjalamichael2024@mca.sjcetpalai.ac.in	456

**PROGRAM-38**

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

**SOURCE CODE:****bookconnect.php**

```
<?php
$mysql_host='localhost';
$mysql_user='22mca007';
$mysql_password='2547';
$conn=mysqli_connect($mysql_host,$mysql_user,$mysql_password);
if(mysqli_select_db($conn,'22mca007'))
{echo 'connection successful';
}
else{
echo 'connection failed';
}
?>
```

**insert.php**

```
<?php
include "bookconnect.php";
if(isset($_POST['submit']))
{
$ano=$_POST['ano'];
$title=$_POST['title'];
$author=$_POST['author'];
$edition=$_POST['edition'];
$publisher=$_POST['publisher'];
$sql = "INSERT INTO `books` ( `ano`,`title`,`author`,`edition`,`publisher`)
VALUES ( '$ano','$title', '$author', '$edition', '$publisher')";
```

```
$result=$conn->query($sql);
if($result==TRUE)
{
echo "new record created successfully";
}
else
{
echo "Error".$sql."<br>".$conn->error;
}
$conn->close();
}
?>

<html>
<head>
<title>newcustomer</title>
</head>
<body>
<form method="POST" action="">
<h1>Register</h1><br>
Ano<br>
<input type="text" name="ano" required><br>
<br>
Title<br>
<input type="text" name="title" required><br>
Author<br>
<input type="text" name="author" required><br>
Edition<br>
<input type="text" name="edition" required><br>
Publisher<br>
<input type="text" name="publisher" required>
```



```

<br>
<input type="submit" name="submit"
value="register"><br><br><br><br><br>
<a href="booksearch.php" >VIEW DATA</a>
</form>
</body>
</html>

```

### booksearch.php

```

<?php
require "bookconnect.php";
if(isset($_POST['sub']))
{
    $bookhead=$_POST['btitle'];
    $store = "SELECT * FROM `books` WHERE `title` = '$bookhead'";
    $result=$conn->query($store);
    if($result=mysqli_query($conn,$store))
    {
        while($query_execute=mysqli_fetch_assoc($result))
        {
            ?><table
            border="1"><tr><th>sino</th><th>title</th><th>author</th><th>edition</th><th>publisher
            </th></tr>

            <tr><td><?php echo $query_execute["ano"];?></td>
            <td><?php echo $query_execute["title"];?></td>
            <td><?php echo $query_execute["author"];?></td>
            <td><?php echo $query_execute["edition"];?></td>
            <td><?php echo $query_execute["publisher"];?></td></tr></table>

            <?php }
            }$con->close();
        }
        ?>
    <html>

```

```

<head>

<title>book search</title>

</head>

<body><form method="POST" action="">

<label>enter the title</label>

<input type="text" name="btitle">

<input type="submit" name="sub" value="submit">

<a href="insert.php" >ADD DATA</a>

</form>

</body>

</html>

```

**RESULT: The program is verified and executed.**

**OUTPUT:**

---

connection successfulnew record created successfully

## Register

Ano  
2

Title  
Wings of fire

Author  
Dr.A.P.J Abdul Kalam

Edition  
1

Publisher  
DC Books

register

[VIEW DATA](#)

---

connection successful

sino	title	author	edition	publisher
1	Programming in C	E. Balaguruswamy	3	Mc Growhill