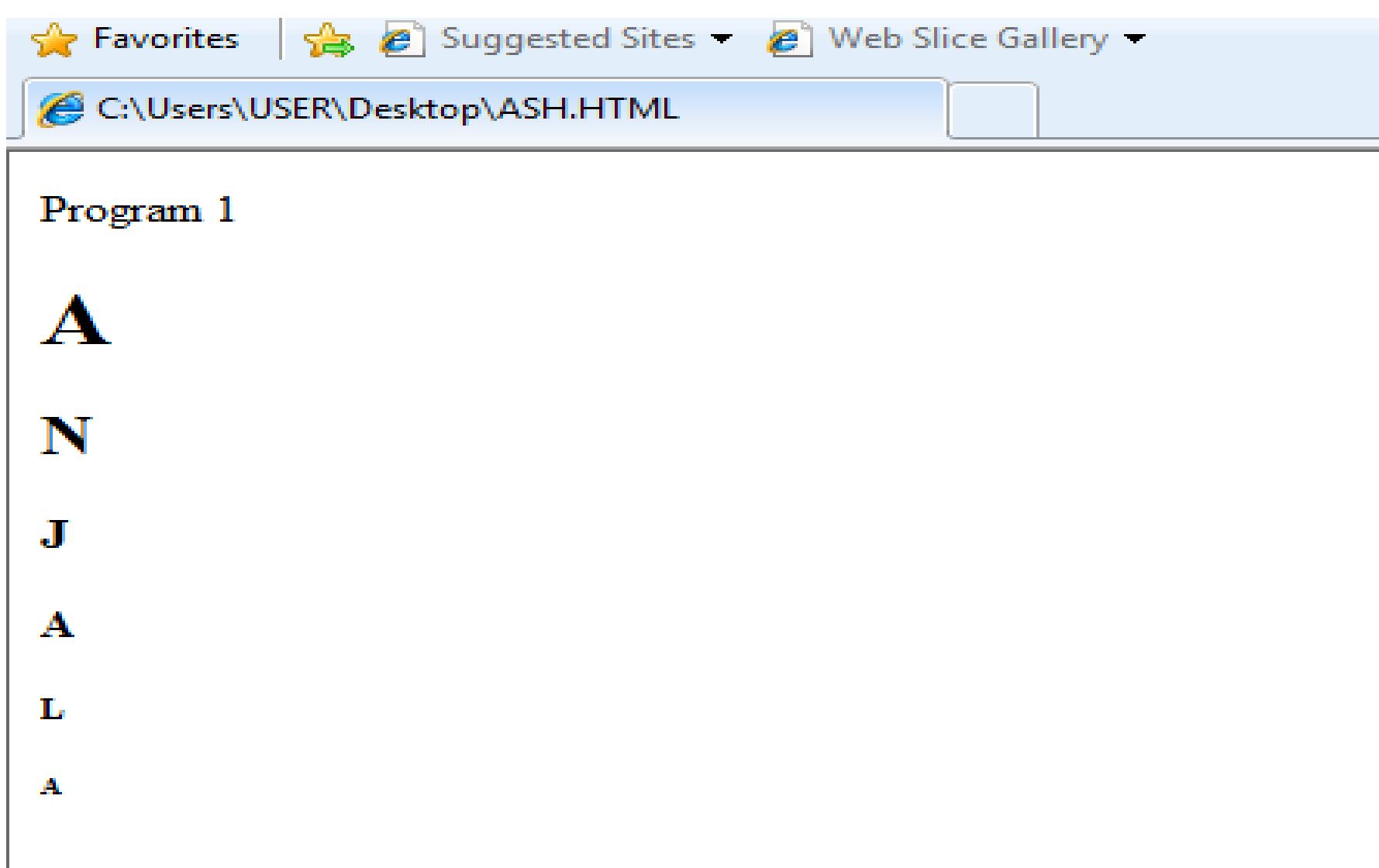


1. Print your name to the screen with every letter being a different heading**sizeCode :**

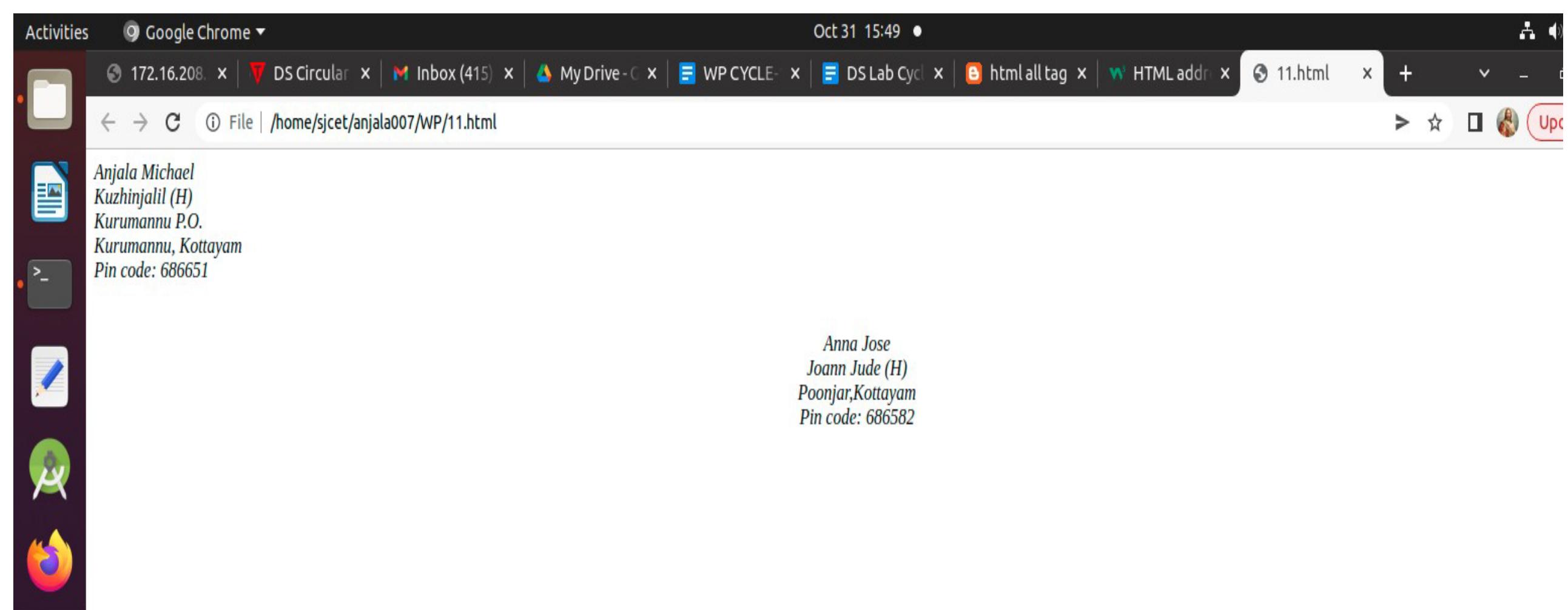
```
<html>
<head>Program 1</head>
<body>
  <h1>A</h1><h2>N</h2><h3>J</h3><h4>A</h4><h5>L</h5><h6>A</h6>
</body>
</html>
```

Output :**2. 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)****Code:**

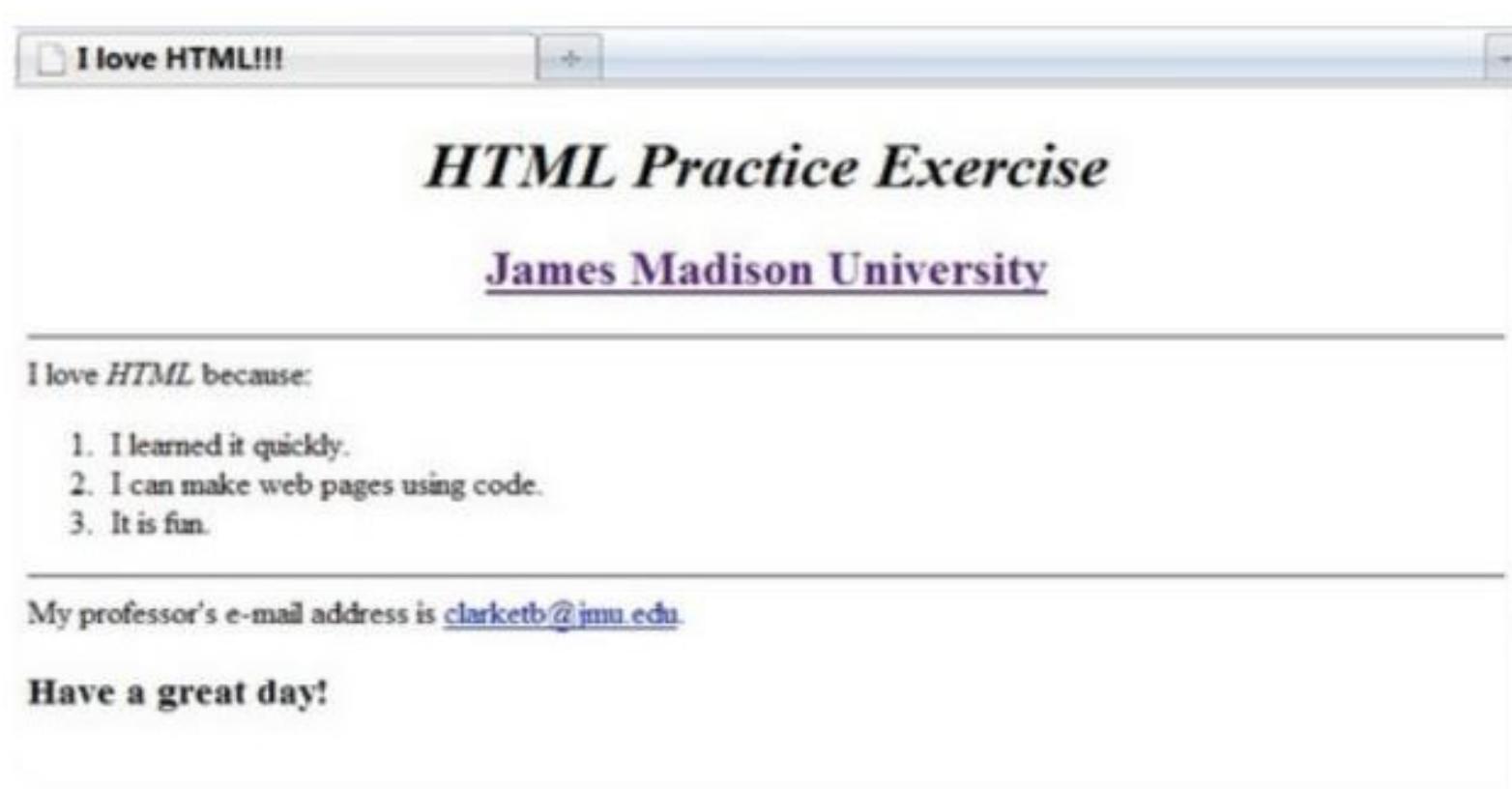
```
<html>
<body>
<address>
Anjala Michael<br>
Kuzhinjalil (H)<br>
Kurumannu P.O. <br>
Kurumannu, Kottayam <br>
Pin code: 686651
</address>
<br><br>
```

```
<center>
<address>
Anna Jose<br>
Joann Jude (H)<br>
Poonjar,Kottayam<br>
Pin code: 686582
</address>
</center>
</body>
</html>
```

Output:



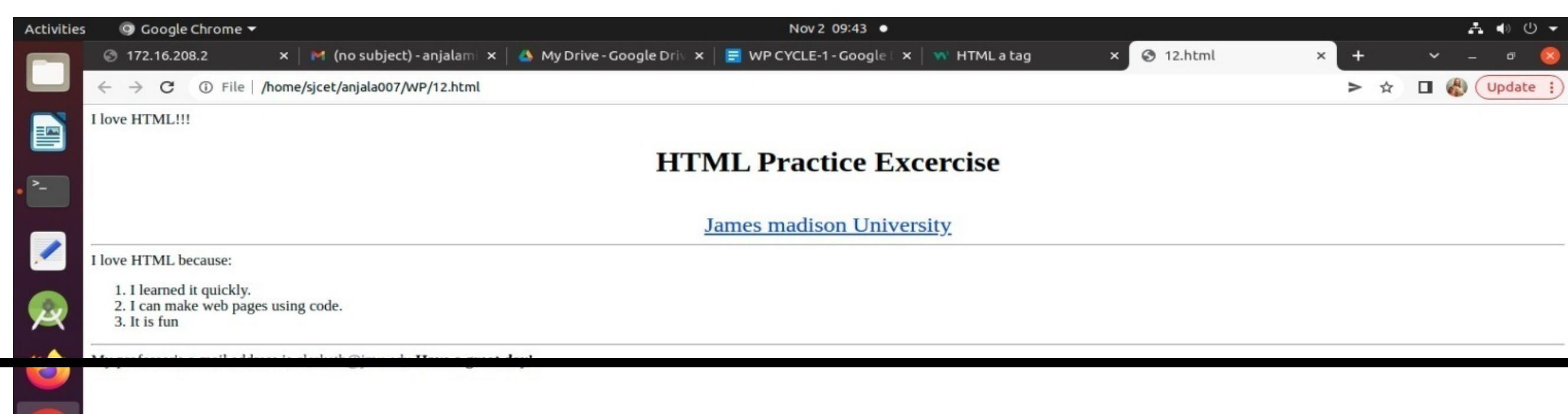
3. Create an HTML page with the following contents:



Code:

```
<html>
<head>I love HTML!!!</head>
<body>
<center><h1>HTML Practice Excercise</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="">clarketb@jmu.edu</a>
<b>Have a great day!</b>
</body>
</html>
```

Output:



4. 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	

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>
```

Output:

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	

5. Create a HTML Page which looks like the one given below.

Pochi the Cat

Introduction

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.



Profile

- *favorite food* - smoked salmon
- *hobbies* - watching fishing on ESPN, snacking on garden flowers, monitoring the apartment parking lot
- *hidden talent* - karaoke

Links

- [Seattle Animal Control Shelter](#)
- [Humane Society of the United States](#)

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 sucessful
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>
```

Output:



Pochi the cat

Introduction

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.



Profile

- favorite food - smoked salmon.
- hobbies - watching fishing on ESPN, snacking on garden flowers, monitoring the apartment parking lot
- hidden talent - karaoke

Links

- [Seattle Animal Control Shelter](#)
- [Humane Society of the United States](#)



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

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">Youtube</a><br>
</body>
</html>
```

Output:



Click the following links to visit the websites

[W3 Schools](https://www.w3schools.com)
[Tutorialspoint](https://www.tutorialspoint.com/)
[Youtube](https://www.youtube.com/)

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

Code:

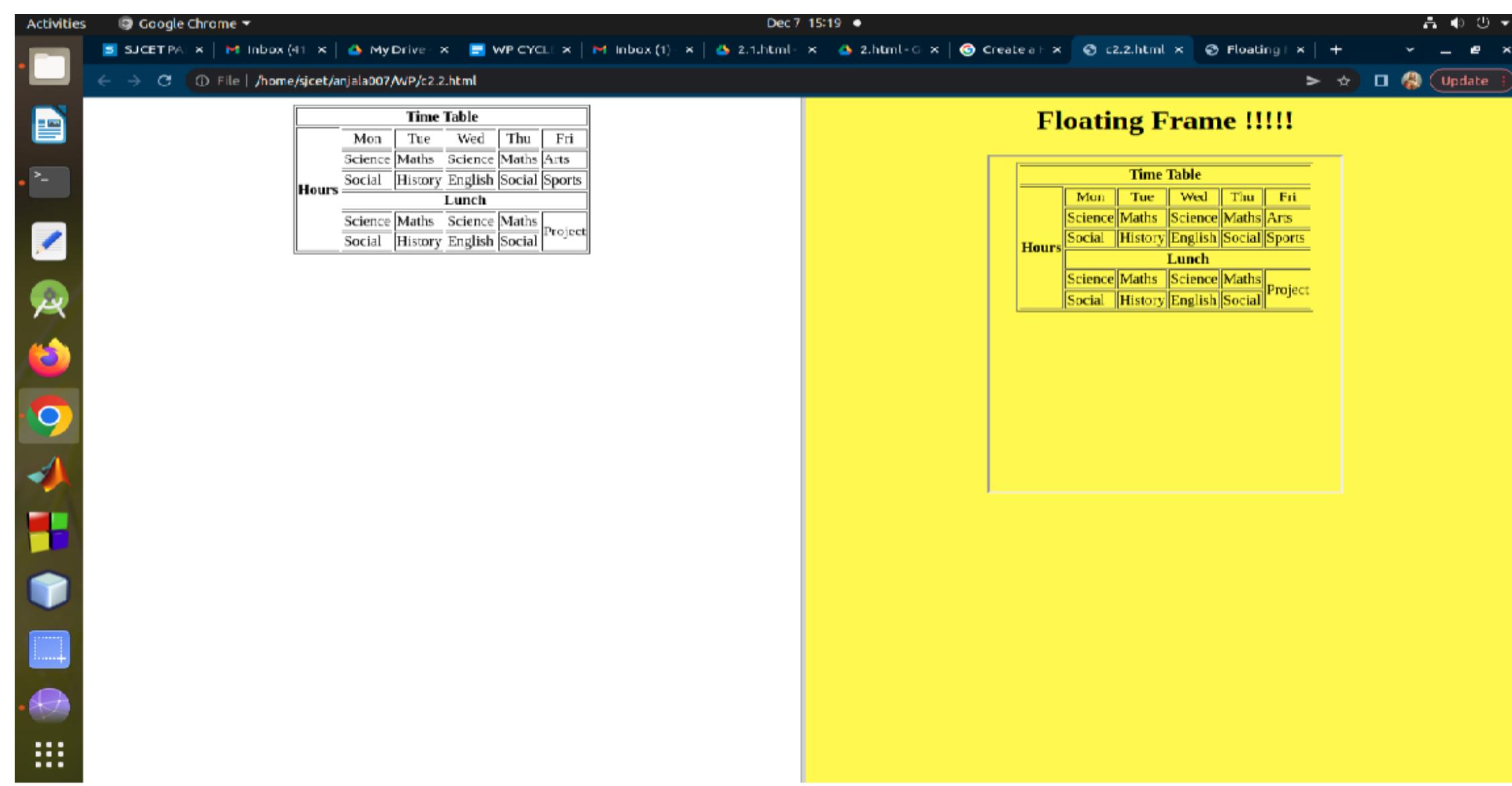
c2.html

```
<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>
```

Output :



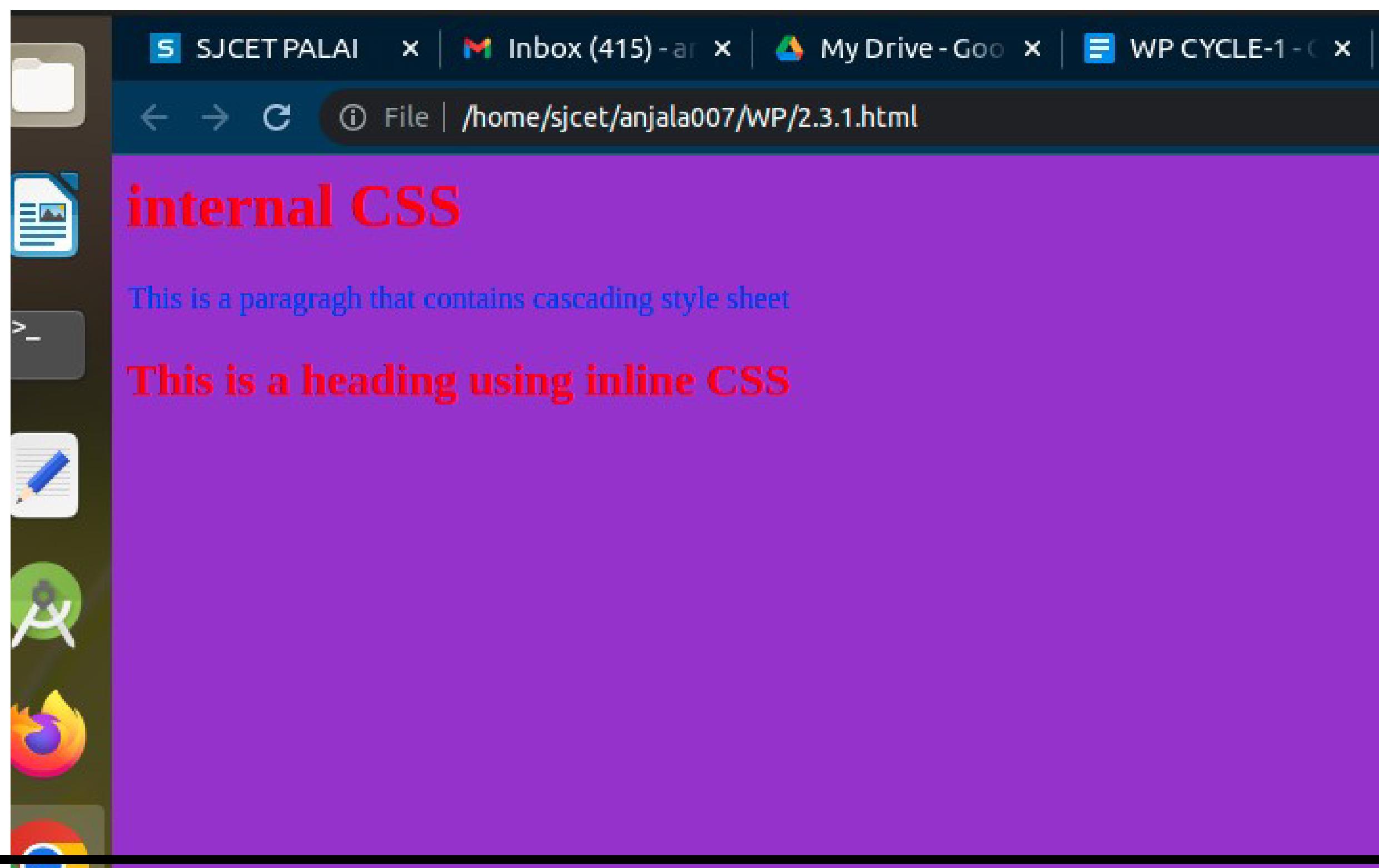
8. Create a HTML file by applying the different styles using inline, external & internal stylesheets.

Internal & Inline CSS

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

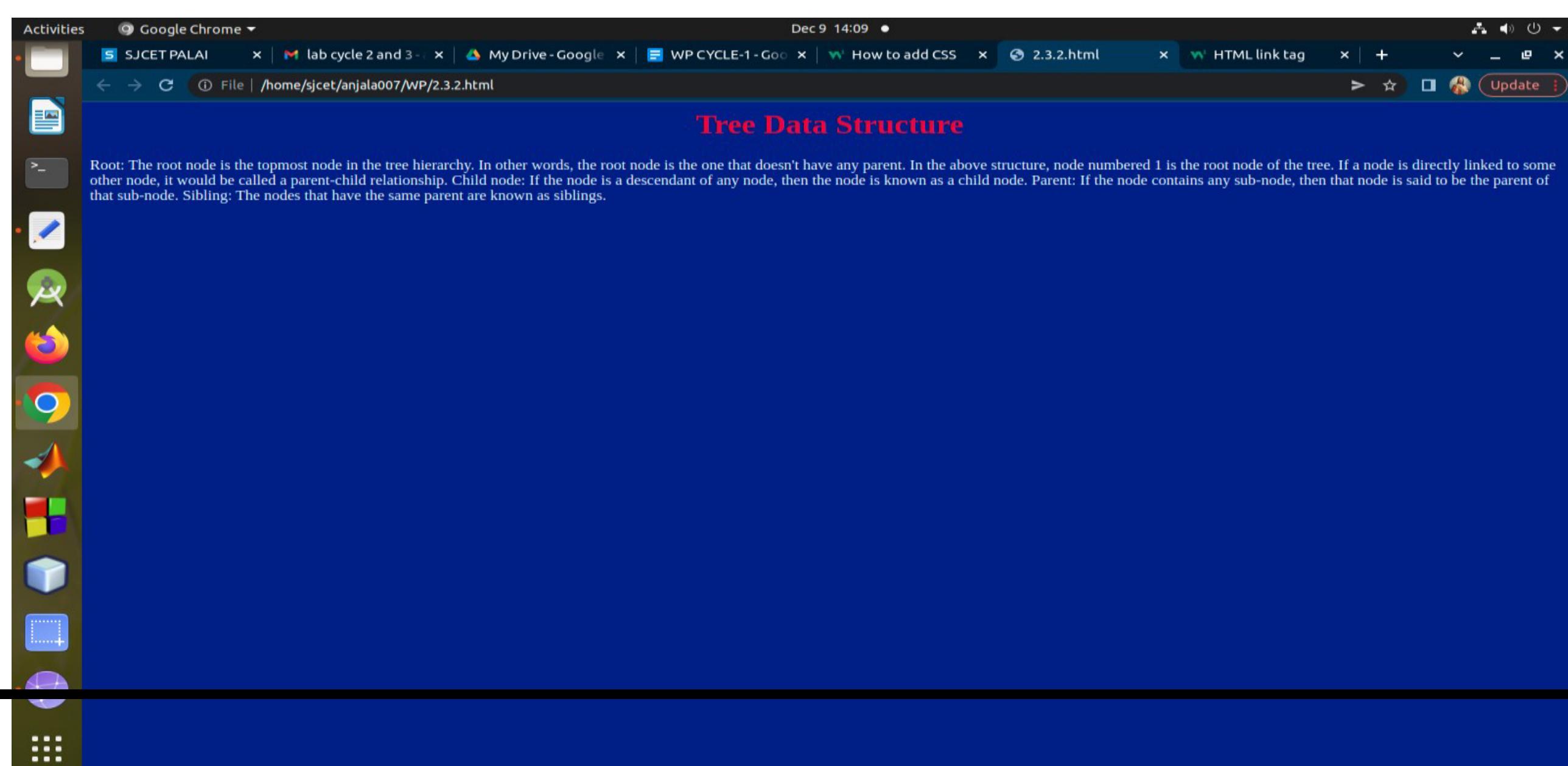
```
<html>
    <head>
        <link rel="stylesheet" href="style.css">
    </head>
    <body>
        <h1>Tree Data Structure</h1>
        <p>Root: The root node is the topmost node in the tree hierarchy. In other words, the root node is the one that doesn't have any parent. In the above structure, node 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:



9. Create a registration form using HTML.

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>
```

Output:

The screenshot shows a Linux desktop environment with a dark theme. A vertical dock on the left contains icons for various applications like a text editor, terminal, file manager, and browser. The main window is a Google Chrome browser displaying a "Student Registration" form. The URL in the address bar is /home/sjcet/anjala007/JP/2.4.html. The form fields include Name, Roll No, Admission Number, Date of Birth (with a date picker), Sex (radio buttons for Male and Female), Phone No, Email id, and a submit button. The browser's title bar shows "Dec 14 12:20".

Student Registration

Name:

Roll No:

Admission Number:

Date of Birth: dd/mm/yyyy

Sex: Male Female

Phone No:

Email id:

10. 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 hyperlinkan image of the monument should be displayed in right frame with suitable description

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>
        </style>
```

```
a{  
    f  
    o  
}  
body{  
    t  
    s  
}  
    i  
    z  
    e:  
    3  
    0  
    p  
    x  
    ;  
    c  
    o  
    l  
    o  
    r:  
    r  
    e  
    d  
    ;  
  
ba  
ck  
gro  
un  
d-c  
olo  
r:  
Gol  
d;
```

```

<body style="text-align: center">
    <br><br><br><br>
        <h1 align="center"><font face="cooper" color="DarkBlue" size="6">The FamousMonuments</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>

```

tajmahal.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 bankof  

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 guesthouse,  

and is set in formal gardens bounded on three sides by a crenelated wall. </p>
    </body>
</html>

```

pyramid.html

```

<html>
    <style>      }
    body{ h1{

```

```
col  
or:  
Azu  
re;  
  
font-  
family:  
y:  
time  
size  
new  
w  
r  
om  
an  
;  
font-  
size:  
iz  
e:  
2  
0  
px  
;  
background-c  
olor: DarkBlue;
```

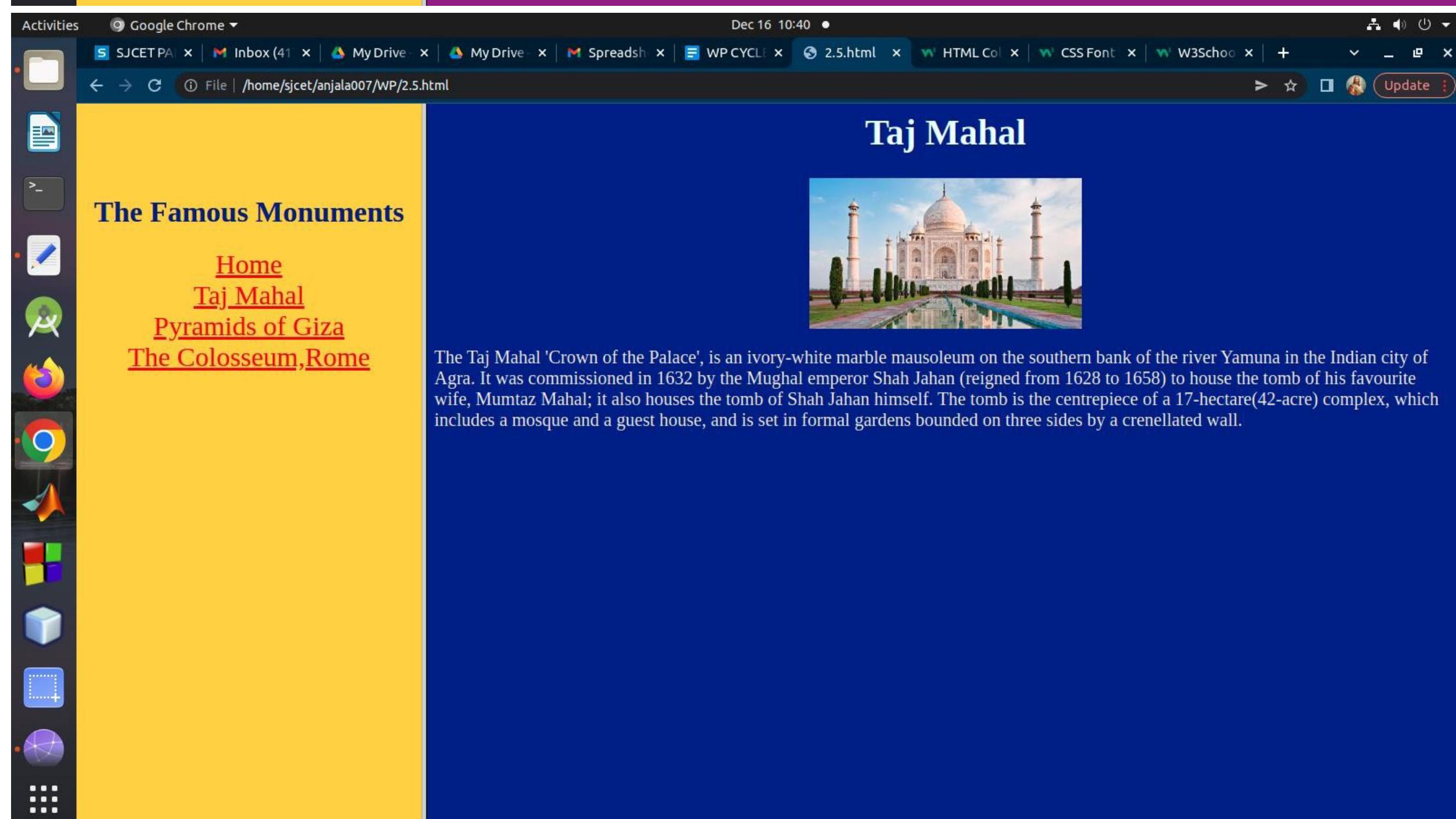
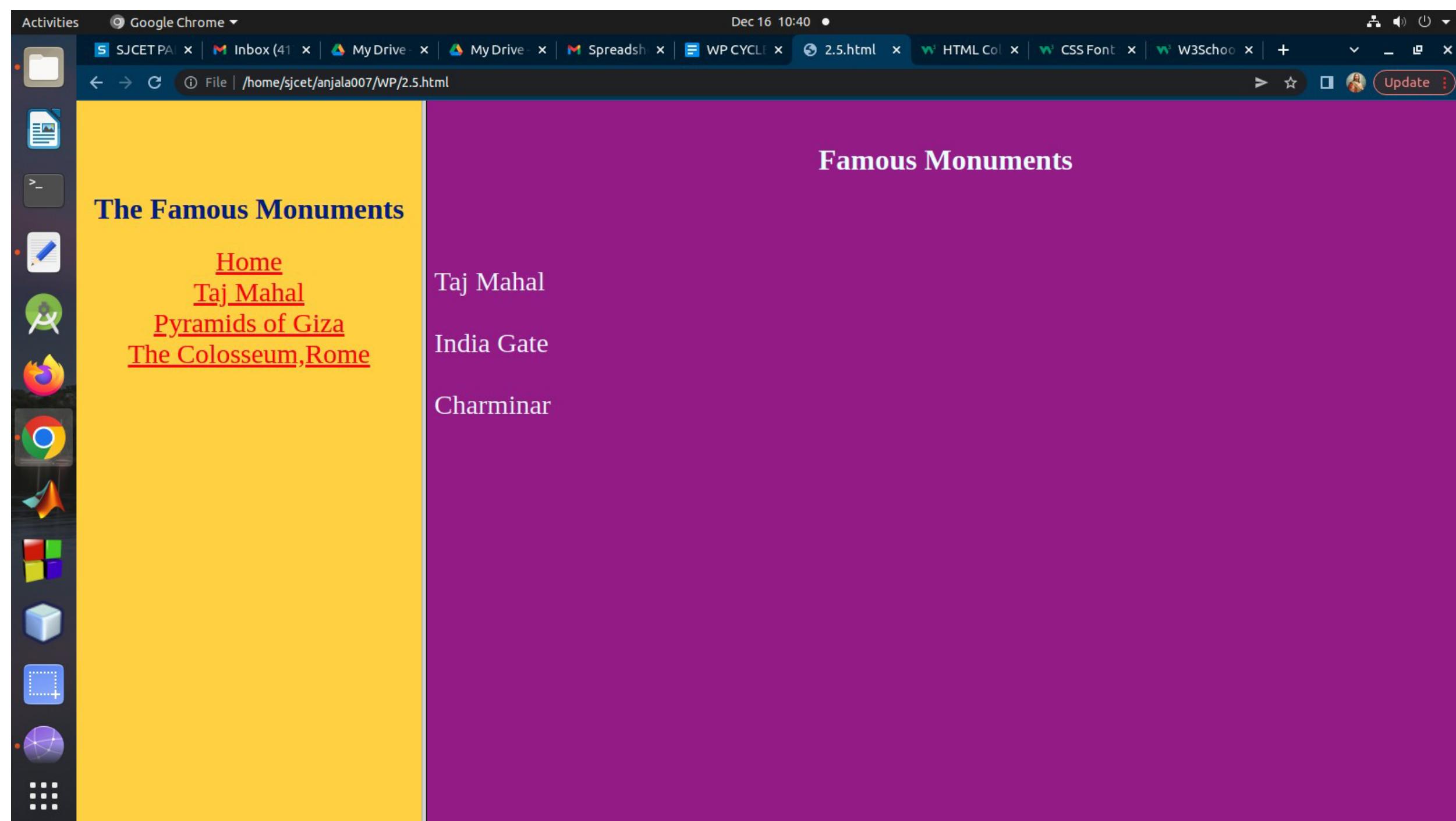
```

        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>
```



Output:

Activities Google Chrome Dec 16 10:40 •

SJ CET PA | Inbox (41 | My Drive | My Drive | Spreadsh | WP CYCLE | 2.5.html | HTML Col | CSS Font | W3Schools | +

File /home/sjcet/anjala007/WP/2.5.html

The Famous Monuments

[Home](#)
[Taj Mahal](#)
[Pyramids of Giza](#)
[The Colosseum,Rome](#)

Great Pyramid of Giza



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.

Activities Google Chrome Dec 16 10:41 •

SJ CET PA | Inbox (41 | My Drive | My Drive | Spreadsh | WP CYCLE | 2.5.html | HTML Col | CSS Font | W3Schools | +

File /home/sjcet/anjala007/WP/2.5.html

The Famous Monuments

[Home](#)
[Taj Mahal](#)
[Pyramids of Giza](#)
[The Colosseum,Rome](#)

The Colosseum,Rome



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.

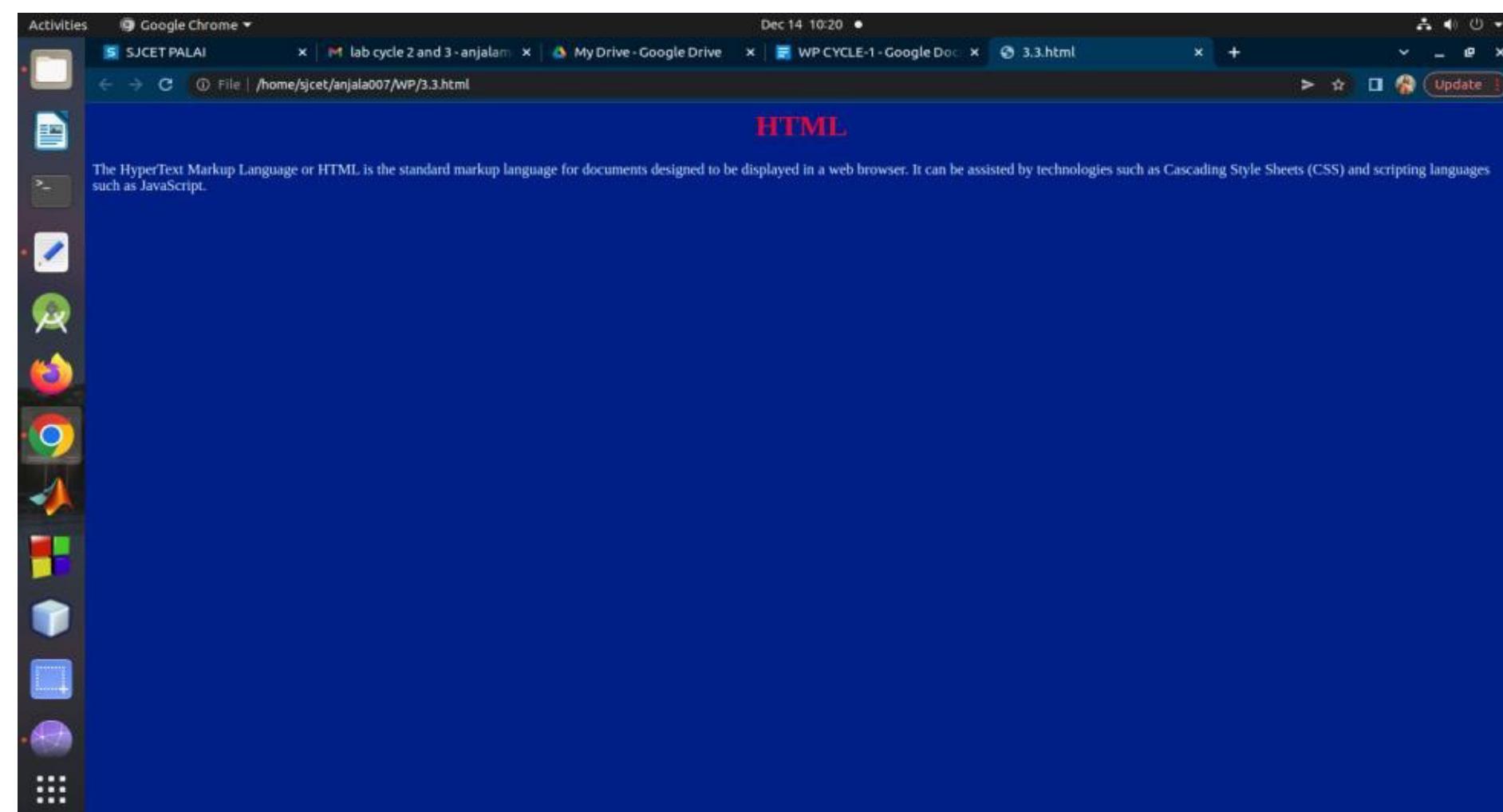
11. Add an external style sheet with the URL: "mystyle.css".**Code:****HTML code**

```
<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;
}
```

Output:

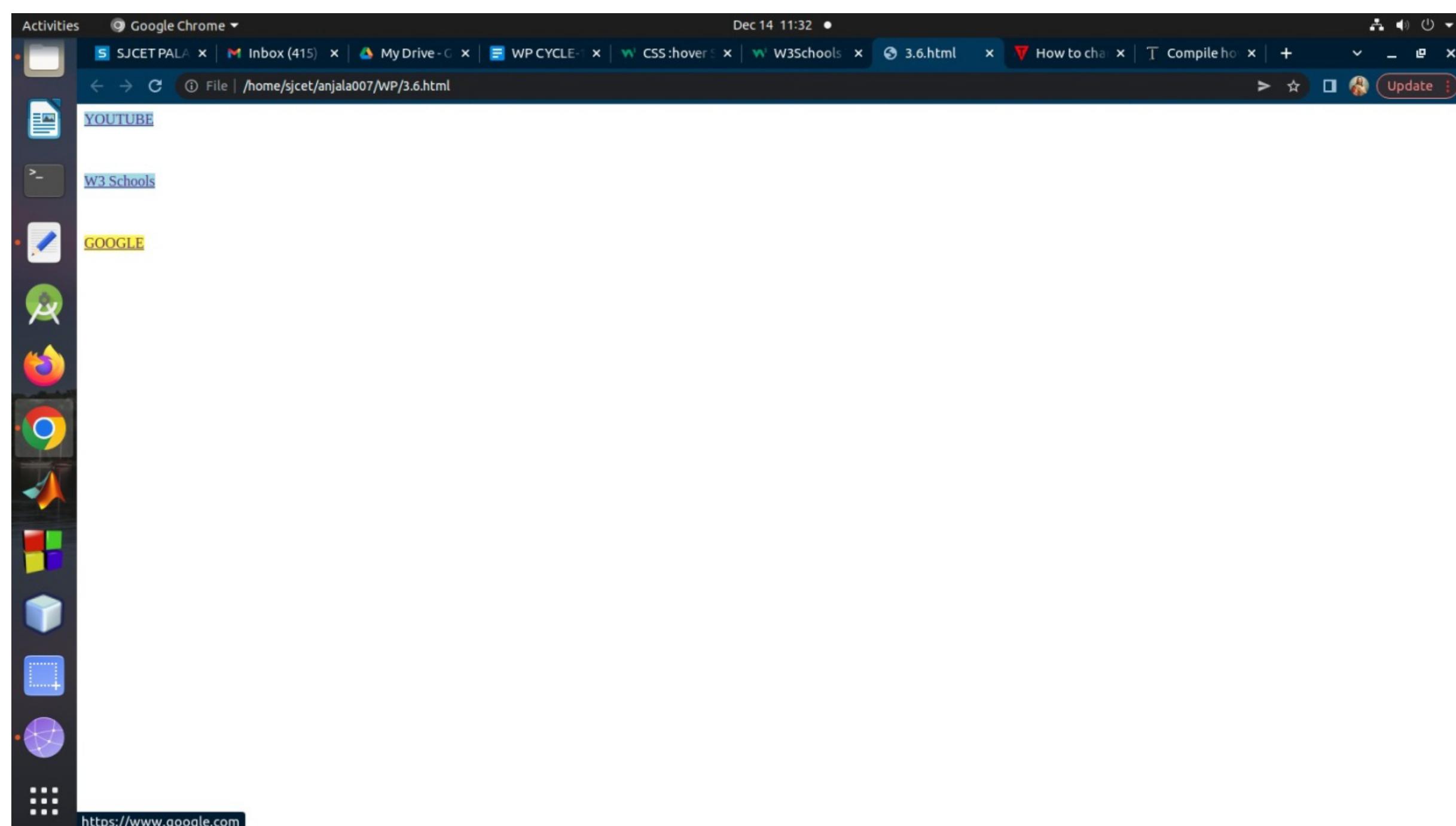


12. Set the background color for visited and unvisited links to "lightblue", and the background color for the hover and active link states to "yellow".

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>
```

Output:



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

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>
    </body>
</html>

```

```
<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>
```

Output:

Enter a string:
anjala

enter number 2

enter power 7

Get Result

Length of the String : 6

Slice String :
a

Power of a number
128

Square root of the number
1.4142135623730951

Ceil of the number
2

floor of the number
2

14. Generate the calendar using JavaScript code by getting the year from the user.

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>

```

Output:

YEAR :

MONTH (1 - 12):

[Display Calender](#)

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						

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

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('cpassword').value == ""))
                    alert("Please enter your password");
                if((document.getElementById('pswd').value) !=
(document.getElementById('cpassword').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="cpassword"><br><br>
                <input type="submit" id="submit" onclick="check()"/>&nbsp;<input type="reset">
            </form>
        </center>
    </body>
</html>

```

Output:

The image shows two overlapping modal dialog boxes on a web page. The left dialog box contains the message "This page says Please enter a valid email address" and has an "OK" button. The right dialog box contains the message "This page says Password doesnot match" and also has an "OK" button. Both dialogs overlap a registration form.

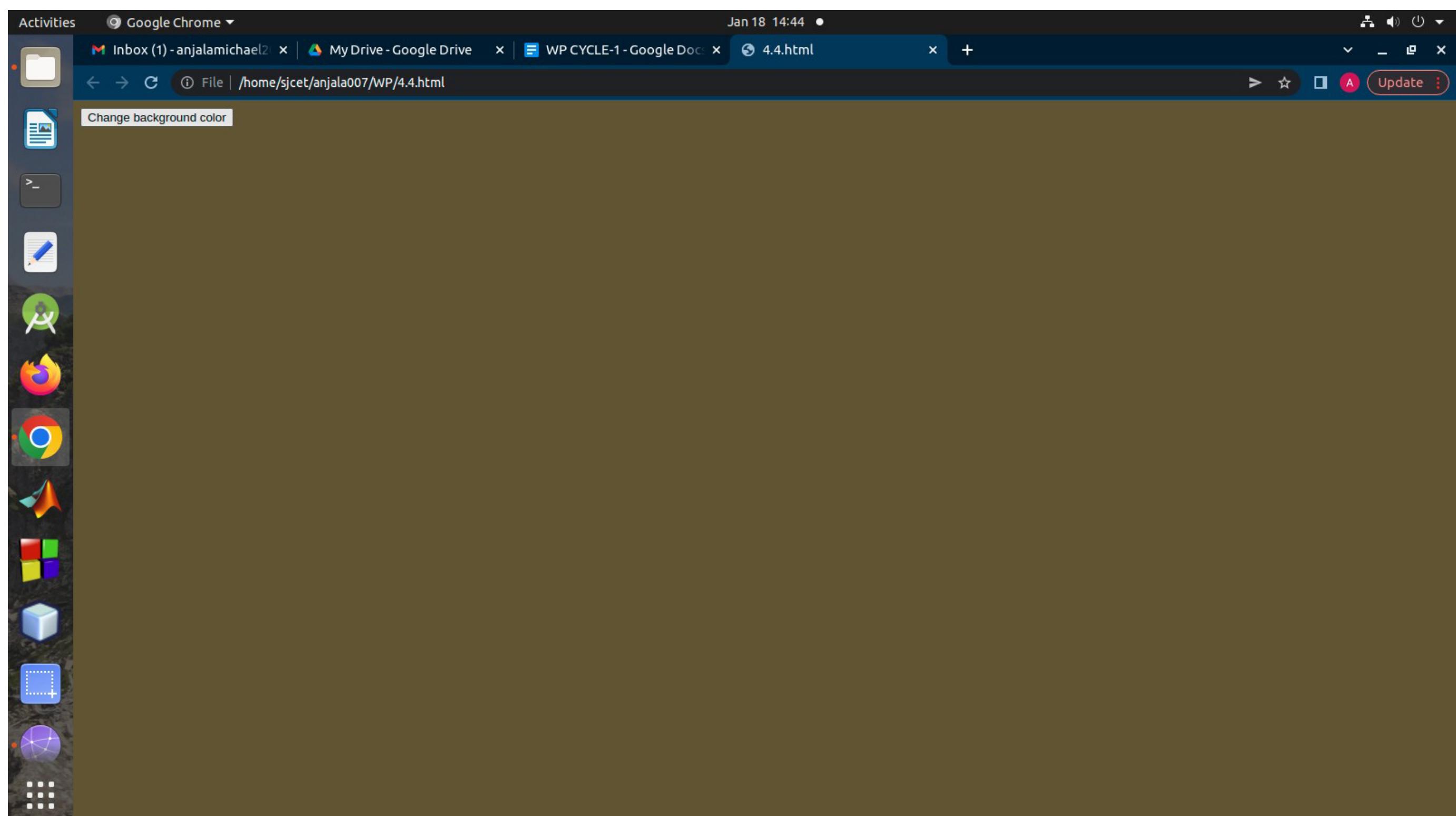
This page says Please enter a valid email address	This page says Password doesnot match
<input type="text" value="bsdbfjhskd@dsfds"/>	<input type="text" value="bsdbfjhskd@dsfds.cv"/>
<input type="password" value="..."/>	<input type="password" value="....."/>
<input type="password" value="..."/>	<input type="password" value="..."/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	<input type="button" value="Submit"/> <input type="button" value="Reset"/>

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

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>
```

Output:

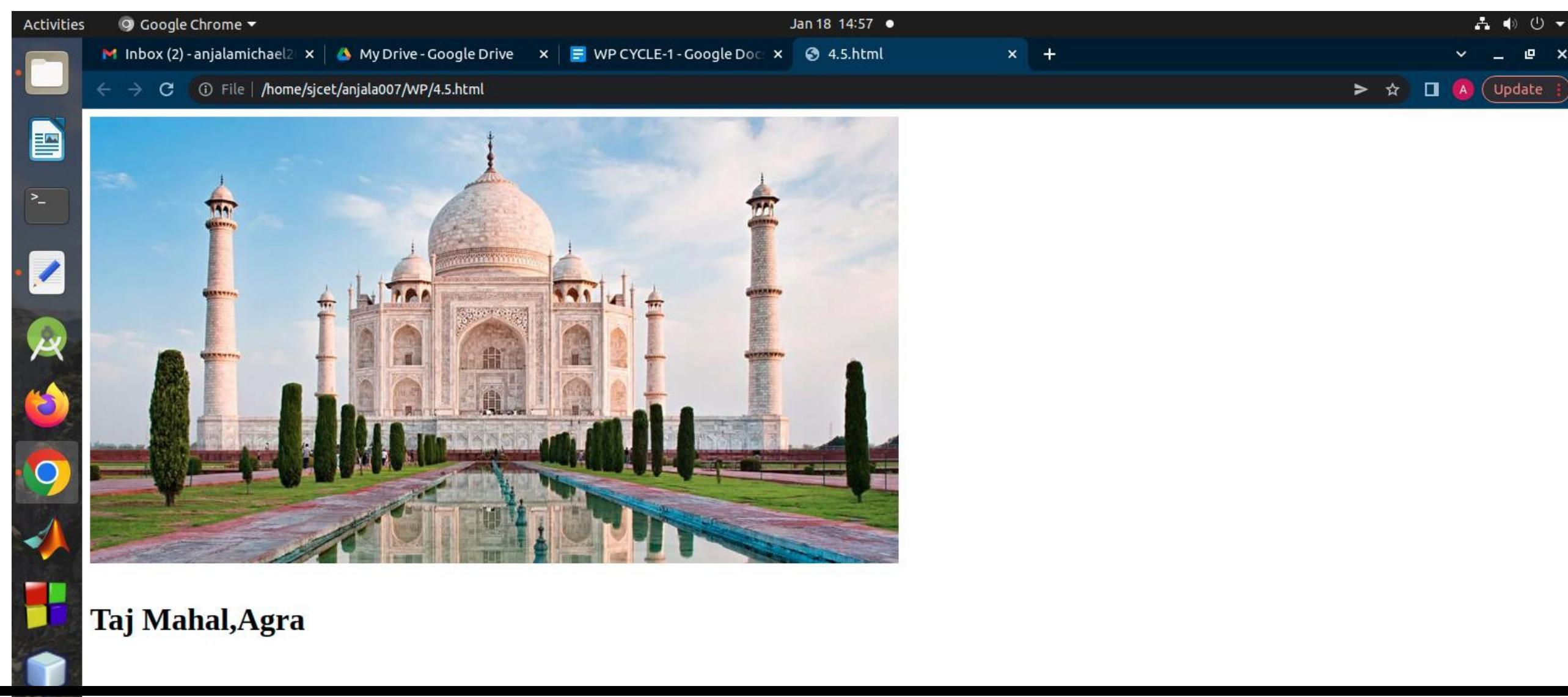


17. Create a HTML page to display a new image and text when the mouse comes over theexisting content in the page using JavaScript Event Handling.

Code:

```
<html>
<body>
<div class="a" id="a">
<br><br>
<h1 id="text1">Taj Mahal,Agra</h1>
<h1 id="text2">The colossem,Rome</h1>
</div>
<script> document.getElementById("a").addEventListener("mouseover",ab);
document.getElementById("a").addEventListener("mouseout",bc);
function ab() {
document.getElementById('image').src = "colossem.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>
```

Output:



18.Create a HTML page to show online exams using JavaScript.

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>
```

Output:

Online Exam

spelling of 2

two tow

which is odd number

1 2

This page says
your score is1/2

OK

19. Outline a registration form using PHP and do necessary validations.**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>
```

Output:

Registration form

Username :

Email :

Password :

Confirm password :

Please fill all required fields!

Registration form

Username :

Email :

Password :

Confirm password :

successfull

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

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>
```

Output:

Electricity Bill

25	▼	Submit
----	---	--------

Total amount of 25 - 87.50

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

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);  
?>
```

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 )
```

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

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>
```

Output:

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

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

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

 Email:


```
<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['slno'];?></td>
<td><?php echo $row['Name'];?></td>
<td><?php echo $row['Email'];?></td>
<td><?php echo $row['password'];?></td>
<?php
}
```

```
}
```

```
?>
```

```
</table>
```

```
</html>
```

Output:

connected new record created successfully

connected

Signup Form

Personal Information

First Name:

Email:

Password:

[VIEW DATA](#)

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

24. 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.

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>
```

Output:

connection successful new record created successfully

Register

Ano

Title

Author

Edition

Publisher

[VIEW DATA](#)

connection successful

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