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2.	Database Management System	12/4/2021		
3.	Phyloinformatics	12/4/2021		
4.	Virtual Labs	20/4/2021		

Part A) Web tech

1.

1. Create a webpage using basic html tags.(p,br,h1,etc)

```
<!DOCTYPE html>
```

```
<html>
```

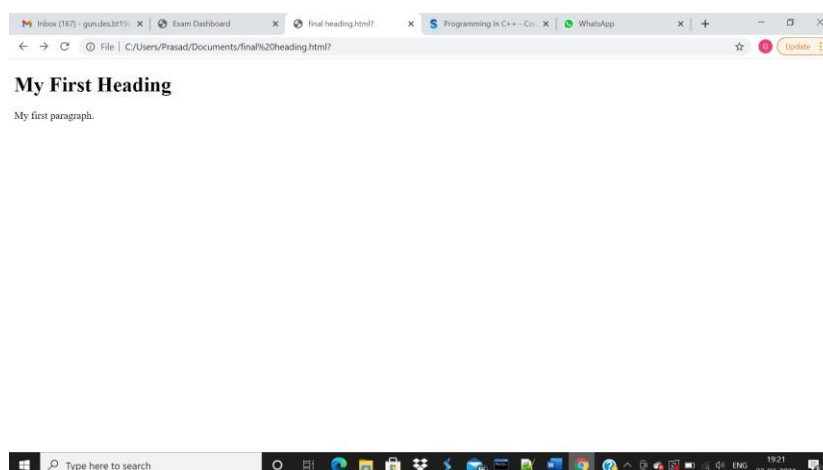
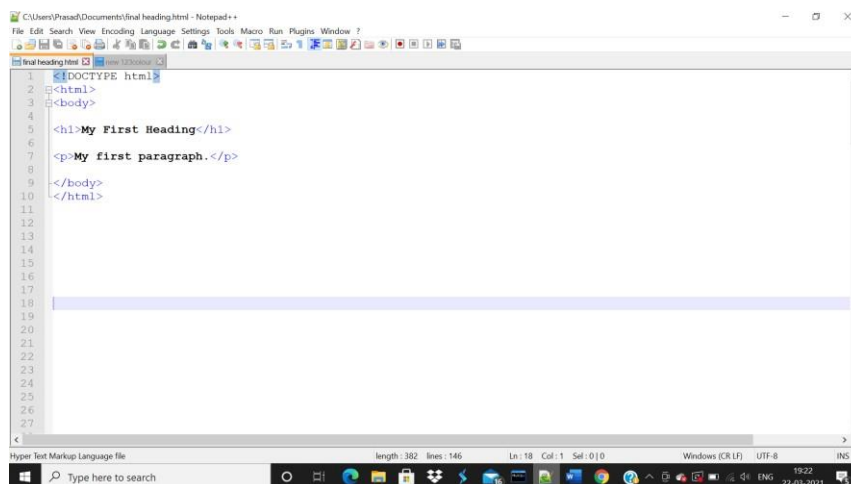
```
<body>
```

```
<h1>My First Heading</h1>
```

```
<p>My first paragraph.</p>
```

```
</body>
```

```
</html>
```



2. Create a webpage using text formatting tags(all format tags)

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Italic</title>
```

```
</head>
```

```
<body>
```

```
<!--Normal text-->
```

```
<p>Hello</p>
```

```
<!--Text in Italics-->
```

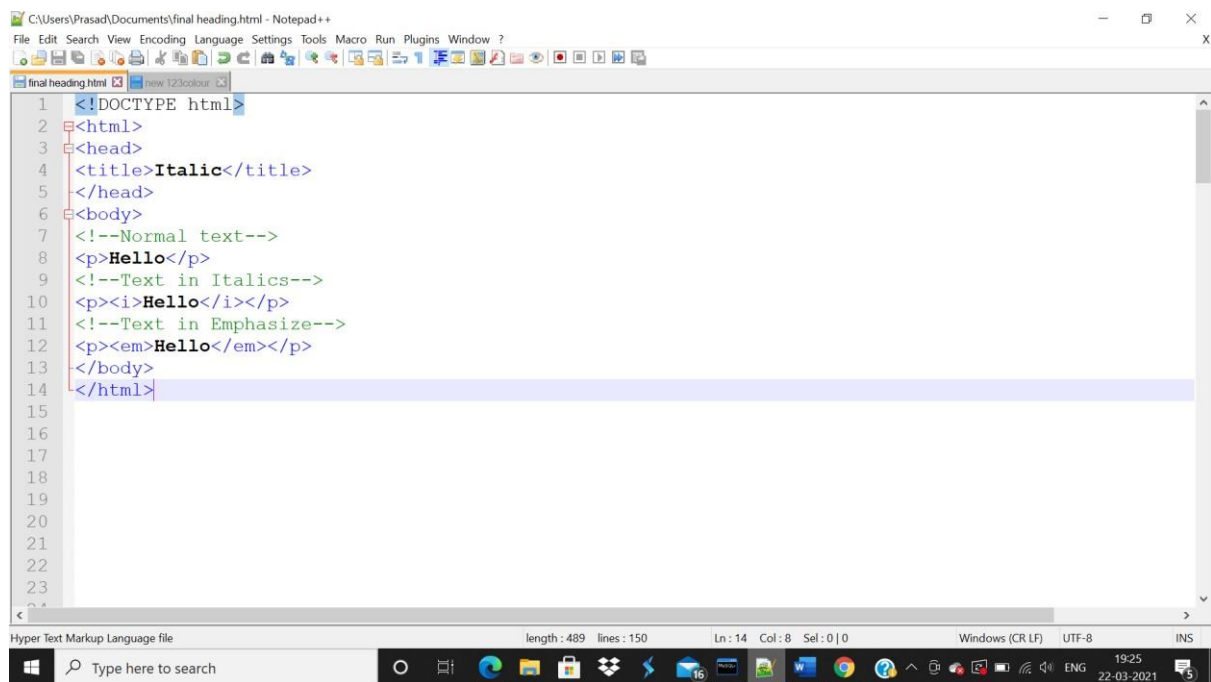
```
<p><i>Hello</i></p>
```

```
<!--Text in Emphasize-->
```

```
<p><em>Hello</em></p>
```

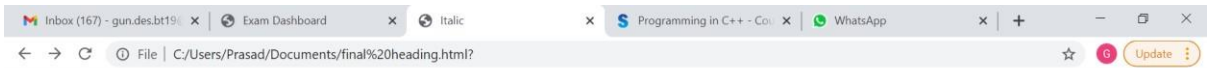
```
</body>
```

```
</html>
```

A screenshot of a Notepad++ window titled 'C:\Users\Prasadh\Documents\final heading.html - Notepad++'. The window displays the following HTML code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Italic</title>
5 </head>
6 <body>
7 <!--Normal text-->
8 <p>Hello</p>
9 <!--Text in Italics-->
10 <p><i>Hello</i></p>
11 <!--Text in Emphasize-->
12 <p><em>Hello</em></p>
13 </body>
14 </html>
```

The code is syntax-highlighted, with tags in blue, text in green, and comments in grey. The status bar at the bottom shows 'length: 489 lines: 150', 'Ln: 14 Col: 8 Sel: 0 | 0', 'Windows (CR LF)', 'UTF-8', and 'INS'. The Windows taskbar is visible at the bottom with the date '22-03-2021' and time '19:25'.



Hello

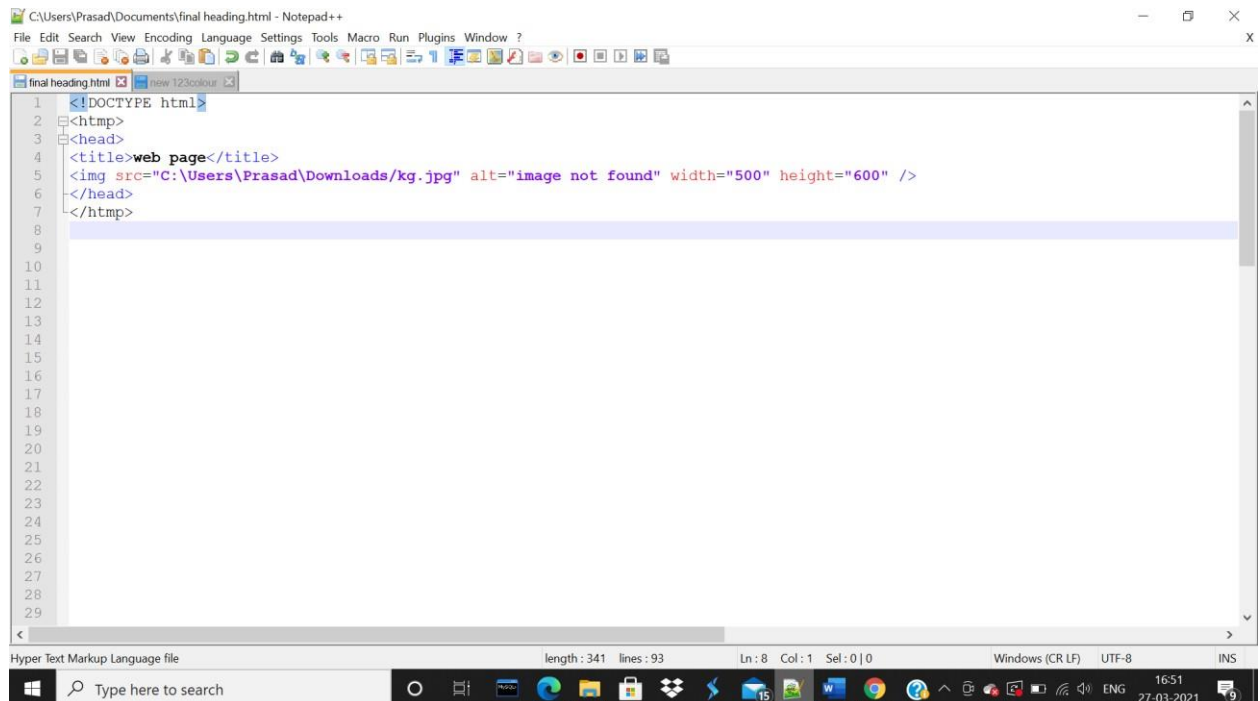
Hello

Hello



2. Working with images

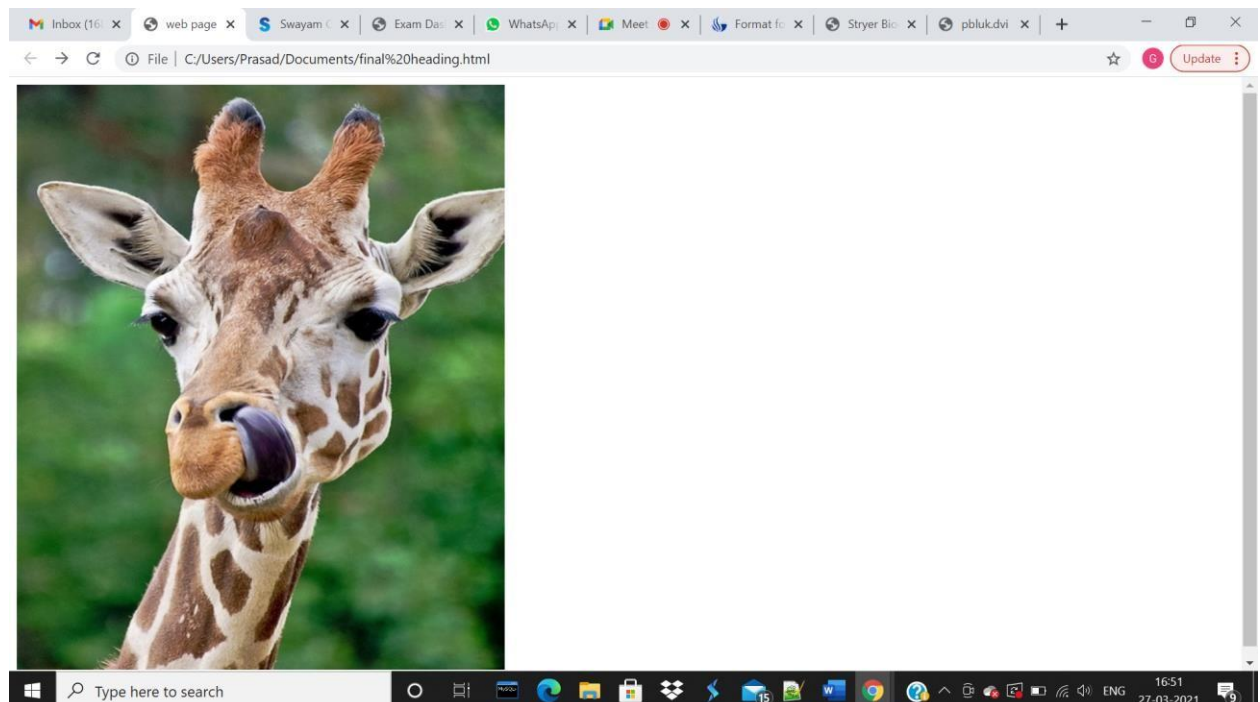
1. Create a webpage using displaying a simple image in it.



The screenshot shows the Notepad++ editor with a file named 'final heading.html'. The code is as follows:

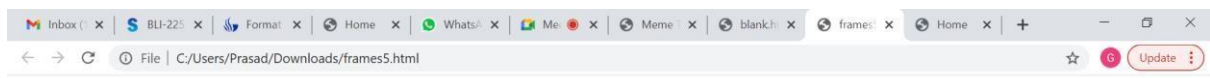
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>web page</title>
5 
6 </head>
7 </html>
```

The status bar at the bottom indicates 'Hyper Text Markup Language file', 'length: 341 lines: 93', 'Ln: 8 Col: 1 Sel: 0 | 0', 'Windows (CR LF)', 'UTF-8', and 'INS'.



2. Create a webpage demonstrating different image attributes.

```
C:\Users\Prasad\Downloads\frames5.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
index1 1.html frames3.html Course1.html blank.html OnFocus.html frames4.html 2.html frames5.html
1 <!DOCTYPE html>
2 <html>
3 <body>
4 <h1>HTML Image</h1>
5 
6 
7 </body>
8 </html>
9
Hyper Text Markup Language file length: 219 lines: 9 Mail Col: 1 Sel: 0 | 0 Windows (CR LF) UTF-8 INS
Type here to search
```

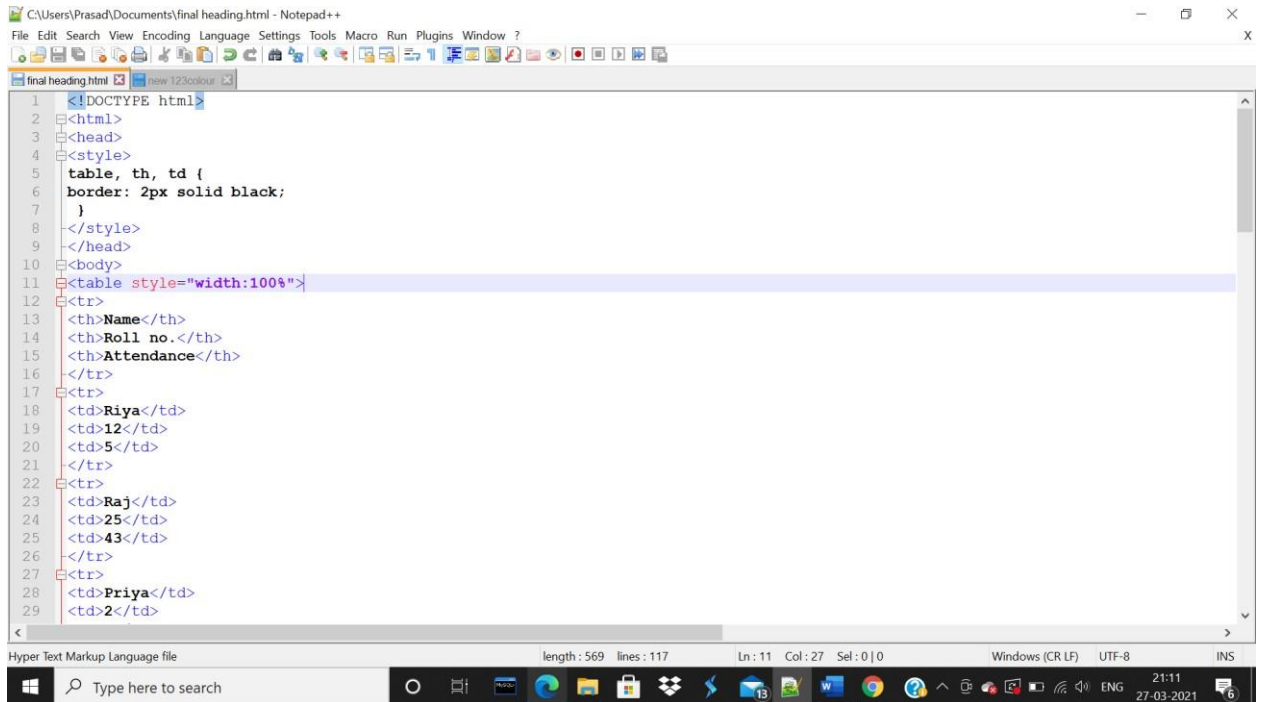


HTML Image

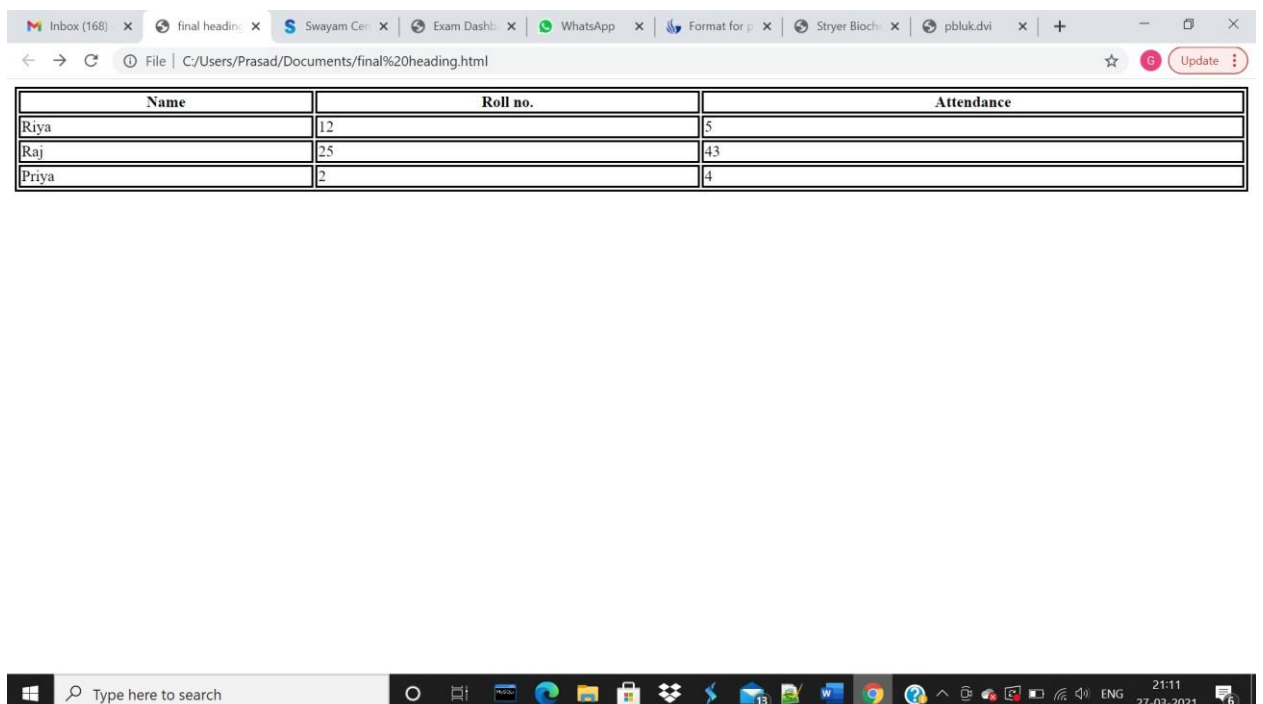


3. Working with HTML table tags

1. Create an attendance table for a class having Fields serial no, roll no, names and presente.



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style>
5     table, th, td {
6         border: 2px solid black;
7     }
8 </style>
9 </head>
10 <body>
11 <table style="width:100%">
12 <tr>
13 <th>Name</th>
14 <th>Roll no.</th>
15 <th>Attendance</th>
16 </tr>
17 <tr>
18 <td>Riya</td>
19 <td>12</td>
20 <td>5</td>
21 </tr>
22 <tr>
23 <td>Raj</td>
24 <td>25</td>
25 <td>43</td>
26 </tr>
27 <tr>
28 <td>Priya</td>
29 <td>2</td>
```



Name	Roll no.	Attendance
Riya	12	5
Raj	25	43
Priya	2	4

2.Create a table demonstrating table header a.w.a caption

```
<!DOCTYPE html>

<html>

<head>

<style> table, th, td
{
border: 1px solid black;
}

</style>

</head>

<body>

<table>

<caption style="text-align:right">My File</caption>

<tr>

<th>name</th>

<th>roll.no</th>

</tr>

<tr>

<td>Roy</td>

<td>45</td>

</tr>

</table>

<br>

<table>

<caption style="caption-side:bottom">My File</caption>

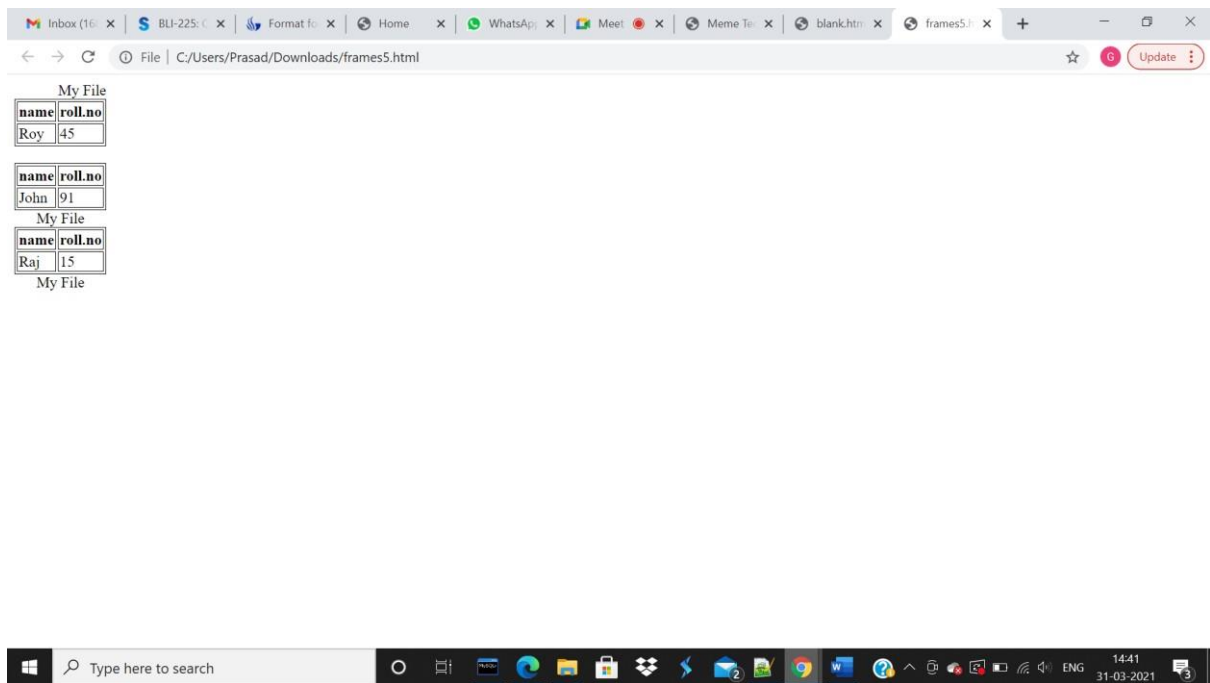
<tr>
```



```
<th>name</th>
<th>roll.no</th>
</tr>
<tr>
<td>John</td>
<td>91</td>
</tr>
</table>
<table>
<caption style="caption-side:bottom">My File</caption>
<tr>
<th>name</th>
<th>roll.no</th>
</tr>
<tr>
<td>Raj</td>
<td>15</td>
</tr>
</table>
<br>

</body>
</html>
```

```
C:\Users\Prasad\Downloads\frames5.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
index1.html 1.html frames3.html Course1.html blank.html OnFocus.html frames4.html 2.html frames5.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style>
5     table, th, td {
6         border: 1px solid black;
7     }
8 </style>
9 </head>
10 <body>
11
12 <table>
13     <caption style="text-align:right">My File</caption>
14     <tr>
15         <th>name</th>
16         <th>roll.no</th>
17     </tr>
18     <tr>
19         <td>Roy</td>
20         <td>45</td>
21     </tr>
22 </table>
23 <br>
24
25 <table>
26     <caption style="caption-side:bottom">My File</caption>
27     <tr>
28         <th>name</th>
29         <th>roll.no</th>
30     </tr>
```



3.Create a table demonstrating thead, tbody and tfoot

```
<table>
<thead>
<tr>
<th>Items</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stationary</td>
<td>2,000</td>
</tr>
<tr>
<td>Furniture</td>
<td>10,000</td>
</tr>
</tbody>
<tfoot>
<tr>
<th>Total</th>
<td>12,000</td>
</tr>
</tfoot>
</table>
```

```
C:\Users\Prasad\Documents\final heading.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
final heading.html new 123colour
1 <table>
2 <thead>
3 <tr>
4 <th>Items</th>
5 <th>Expenditure</th>
6 </tr>
7 </thead>
8 <tbody>
9 <tr>
10 <td>Stationary</td>
11 <td>2,000</td>
12 </tr>
13 <tr>
14 <td>Furniture</td>
15 <td>10,000</td>
16 </tr>
17 </tbody>
18 <tfoot>
19 <tr>
20 <th>Total</th>
21 <td>12,000</td>
22 </tr>
23 </tfoot>
24 </table>
25
26
27
Hyper Text Markup Language file length: 529 lines: 153 Mail Ln: 22 Col: 6 Sel: 0 | 0 Windows (CR LF) UTF-8 INS
```

Inbox (168) - g... final heading.ht... Programming in... WhatsApp... Format for proj... Stryer Biochemi... pbluk.dvi... Update

File | C:/Users/Prasad/Documents/final%20heading.html

Items	Expenditure
Stationary	2,000
Furniture	10,000
Total	12,000

4.Create a table demonstrating nested tables

```
<!DOCTYPE>

<html>

<body>

<ol>

<li>List Item 1

<ol type="a">

<li>Nested Item 1.1</li>

<li>Nested Item 1.2</li>

</ol>

</li>

<li>List Item 2

<ol>

<li>Nested Item 2.1</li>

<li>Nested Item 2.2</li>

<ul type="circle">

<li>Nested Item 2.2.1</li>

<li>Nested Item 2.2.2</li>

<ul>

<li>Nested Item 2.2.2.1</li>

<li>Nested Item 2.2.2.2</li>

</ul>

<li>Nested Item 2.2.3</li>

</ul>

</li>

</ol>

</li>

</ol>

</body>

</html>
```

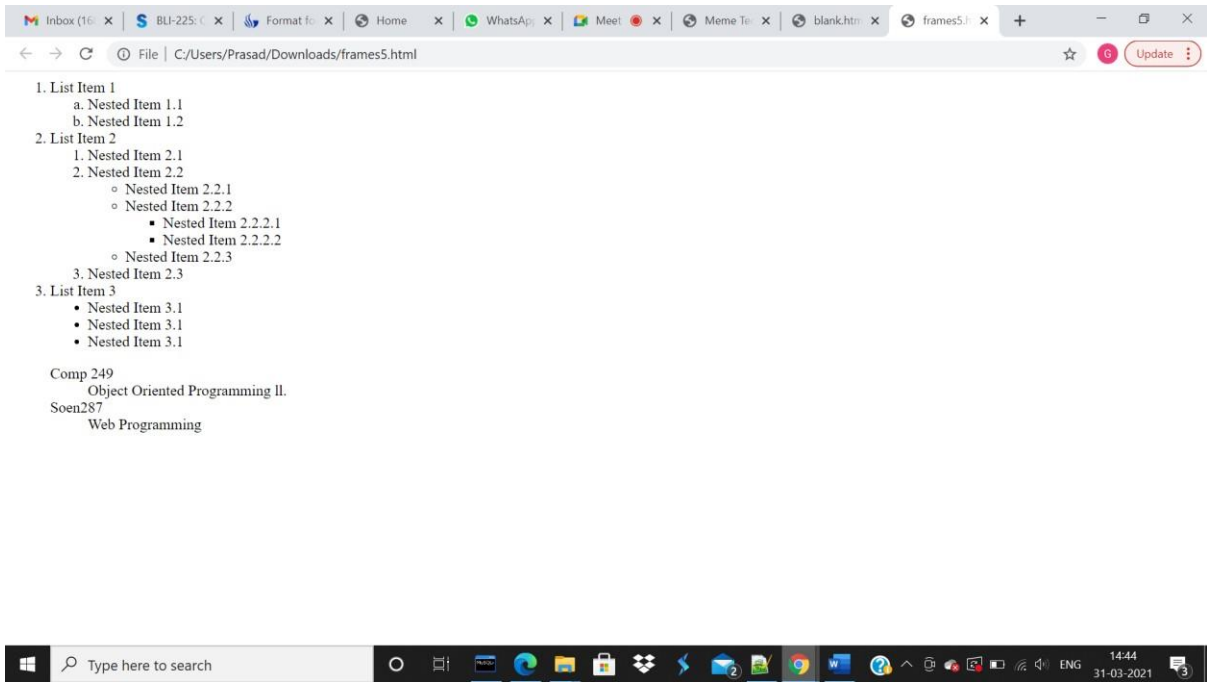
```
<li>Nested Item 2.3</li>
</ul>
</ol>
<li>List Item 3
<ul type="disc">
<li>Nested Item 3.1</li>
<li>Nested Item 3.1</li>
<li>Nested Item 3.1</li>
</ul>
<dl>
<dt>Comp 249</dt>
<dd>Object Oriented Programming ll.</dd>
<dt>Soen287</dt>
<dd>Web Programming</dd>
</dl>
</li>
</ol>
</body>
</html>
```

```
C:\Users\Prasad\Downloads\frames5.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
index1.html 1.html frames3.html Course1.html blank.html OnFocus.html frames4.html 2.html frames5.html
1 <!DOCTYPE
2 <html>
3 <body>
4 <ol>
5 <li>List Item 1
6 <ol type="a">
7 <li>Nested Item 1.1</li>
8
9 <li>Nested Item 1.2</li>
10 </ol>
11 </li>
12
13 <li>List Item 2
14 <ol>
15 <li>Nested Item 2.1</li>
16 <li>Nested Item 2.2</li>
17
18 <ul type="circle">
19 <li>Nested Item 2.2.1</li>
20 <li>Nested Item 2.2.2</li>
21
22 </ul>
23 <li>Nested Item 2.2.2.1</li>
24 <li>Nested Item 2.2.2.2</li>
25 </ul>
26 <li>Nested Item 2.2.3</li>
27 </ul>
28 <li>Nested Item 2.3</li>
29 </ul>
30 </ol>
```

Hyper Text Markup Language file length: 708 lines: 46 Ln: 31 Col: 16 Sel: 0 | 0 Windows (CR LF) UTF-8 INS 14:45 31-03-2021

```
C:\Users\Prasad\Downloads\frames5.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
index1.html 1.html frames3.html Course1.html blank.html OnFocus.html frames4.html 2.html frames5.html
17
18 <ul type="circle">
19 <li>Nested Item 2.2.1</li>
20 <li>Nested Item 2.2.2</li>
21
22 </ul>
23 <li>Nested Item 2.2.2.1</li>
24 <li>Nested Item 2.2.2.2</li>
25 </ul>
26 <li>Nested Item 2.2.3</li>
27 </ul>
28 <li>Nested Item 2.3</li>
29 </ul>
30 </ol>
31 <li>List Item 3
32 <ul type="disc">
33 <li>Nested Item 3.1</li>
34 <li>Nested Item 3.1</li>
35 <li>Nested Item 3.1</li>
36 </ul>
37 <dl>
38 <dt>Comp 249</dt>
39 <dd>Object Oriented Programming 11.</dd>
40 <dt>Soen287</dt>
41 <dd>Web Programming</dd>
42 </dl>
43 </li>
44 </ol>
45 </body>
46 </html>
```


Hyper Text Markup Language file length: 708 lines: 46 Ln: 31 Col: 16 Sel: 0 | 0 Windows (CR LF) UTF-8 INS 14:45 31-03-2021



5. Create webpages including the following tables (Assignment 4 tables)

First_Name	Last_Name	Marks
Sonoo	Jaiswal	60
James	William	80
Swati	Sironi	82
Chetna	Singh	72

Input:




The screenshot shows a web browser window with a table. The table has a solid black border and alternating row colors. The first row has a gray background. The table contains the following data:

th, td {	th, td {
padding: 10px;	padding: 10px;
background-color: #f0f0f0;	background-color: #f0f0f0;
background-color: #fff;	background-color: #fff;
background-color: gray;	background-color: gray;

The table is styled with a solid black border and alternating row colors. The first row has a gray background. The table contains the following data:

th, td {	th, td {
padding: 10px;	padding: 10px;
background-color: #f0f0f0;	background-color: #f0f0f0;
background-color: #fff;	background-color: #fff;
background-color: gray;	background-color: gray;

Output:



The screenshot shows a web browser window with the address bar displaying 'C:\Users\asad\Documents\final\quizheading.html'. The browser content area displays a table with the following data:

First_Name	Last_Name	Marks
Souco	Jarwal	60
Jasen	William	80
Swati	Singh	82
Chetan	Singh	72

Day	Seminar		
	Schedule		Topic
	Begin	End	
Monday	8:00 a.m.	5:00 p.m.	Introduction to XML
			Validity: DTD and Relax NG
Tuesday	8:00 a.m.	11:00 a.m.	XPath
	11:00 a.m.	2:00 p.m.	
	2:00 p.m.	5:00 p.m.	XSL Transformations
Wednesday	8:00 a.m.	12:00 p.m.	XSL Formatting Objects

Input:

```

1 <?xml version="1.0"?>
2 <table border="1">
3   <thead>
4     <tr>
5       <th data-kind="parent" data-rs="3">Day
6     </th>
7     <th data-cs="2" data-kind="parent">Seminar
8     </th>
9     <th data-kind="parent" data-rs="2">Topic
10    </th>
11    <th data-kind="parent" data-rs="2">Begin
12    </th>
13    <th data-kind="parent" data-rs="2">End
14    </th>
15  </thead>
16  <tbody>
17    <tr>
18      <td data-kind="parent" data-rs="2">Monday
19    </td>
20    <td data-kind="parent" data-rs="2">8:00 a.m.
21    </td>
22    <td data-kind="parent" data-rs="2">5:00 p.m.
23    </td>
24    <td>Introduction to XML
25    </td>
26    <td>Validity: DTD and Relax NG
27    </td>
28  </tr>
29  <tr>
30    <td data-kind="ghost">
31    </td>
32    <td data-kind="ghost">
33    </td>
34    <td data-kind="ghost">
35    </td>
36    <td>XPath
37    </td>
38    <td>XSL Transformations
39    </td>
40  </tr>
41  <tr>
42    <td>Tuesday
43    </td>
44    <td>8:00 a.m.
45    </td>
46    <td>11:00 a.m.
47    </td>
48    <td>XPath
49    </td>
50    <td>XSL Transformations
51    </td>
52  </tr>
53  <tr>
54    <td>Wednesday
55    </td>
56    <td>8:00 a.m.
57    </td>
58    <td>12:00 p.m.
59    </td>
60    <td>XSL Formatting Objects
61    </td>
62  </tr>
63 </tbody>
64 </table>

```

```

1 <?xml version="1.0"?>
2 <table border="1">
3   <thead>
4     <tr>
5       <th data-kind="parent" data-rs="3">Day
6     </th>
7     <th data-cs="2" data-kind="parent">Seminar
8     </th>
9     <th data-kind="parent" data-rs="2">Topic
10    </th>
11    <th data-kind="parent" data-rs="2">Begin
12    </th>
13    <th data-kind="parent" data-rs="2">End
14    </th>
15  </thead>
16  <tbody>
17    <tr>
18      <td data-kind="parent" data-rs="2">Monday
19    </td>
20    <td data-kind="parent" data-rs="2">8:00 a.m.
21    </td>
22    <td data-kind="parent" data-rs="2">5:00 p.m.
23    </td>
24    <td>Introduction to XML
25    </td>
26    <td>Validity: DTD and Relax NG
27    </td>
28  </tr>
29  <tr>
30    <td data-kind="ghost">
31    </td>
32    <td data-kind="ghost">
33    </td>
34    <td data-kind="ghost">
35    </td>
36    <td>XPath
37    </td>
38    <td>XSL Transformations
39    </td>
40  </tr>
41  <tr>
42    <td>Tuesday
43    </td>
44    <td>8:00 a.m.
45    </td>
46    <td>11:00 a.m.
47    </td>
48    <td>XPath
49    </td>
50    <td>XSL Transformations
51    </td>
52  </tr>
53  <tr>
54    <td>Wednesday
55    </td>
56    <td>8:00 a.m.
57    </td>
58    <td>12:00 p.m.
59    </td>
60    <td>XSL Formatting Objects
61    </td>
62  </tr>
63 </tbody>
64 </table>

```