

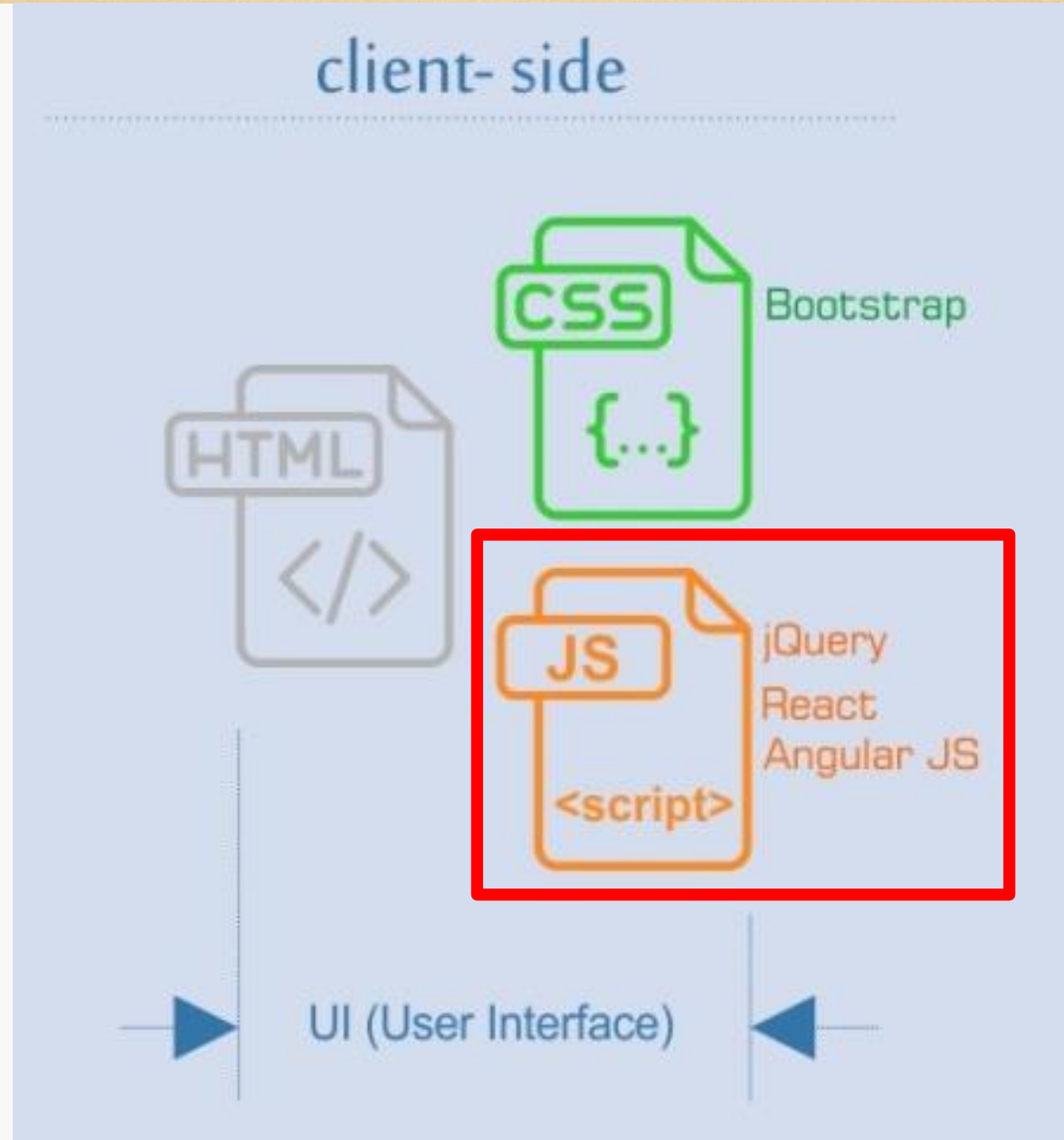
The slide features a light brown wood-grain background. A white rectangular box with a thin green border is centered. Inside the box, the text "DCS 3003" is at the top and "WEBSITE DESIGN" is at the bottom, separated by a thin green horizontal line. Two dark brown horizontal bars extend from the left and right edges of the white box.

DCS 3003

WEBSITE DESIGN

HTML

Recap



JavaScript

There are two types of JavaScript which are given below:

- 1) **Writing the code in HTML file**
- 2) **Including it as a link to an external file**

JavaScript - Writing the code in HTML file

To load in the **<head>**

- Generally, JavaScript code can go inside of the document <head> section in order to keep them contained and out of the main content of your HTML document.

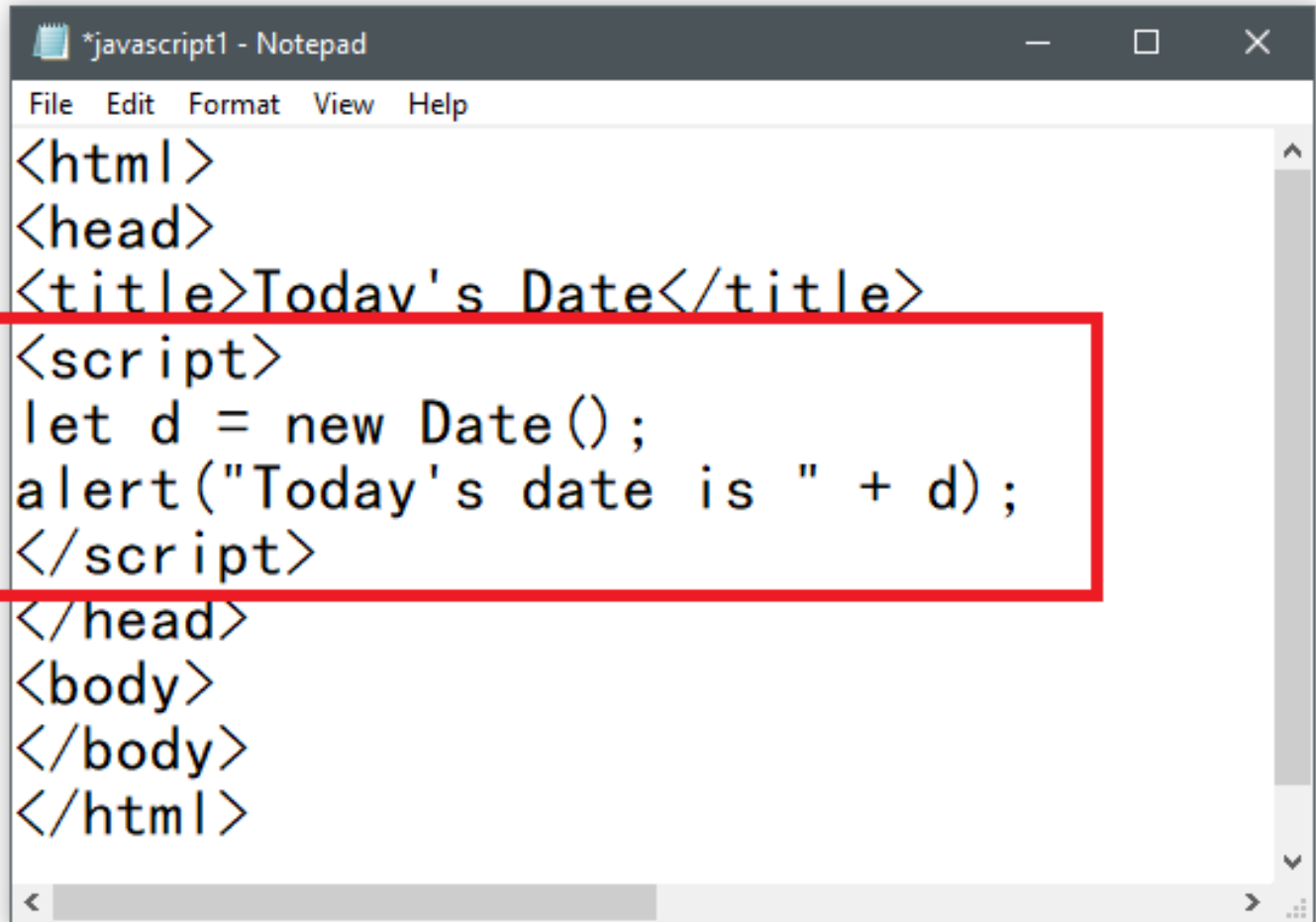
To load in the **<body>**

- However, if your script needs to run at a certain point within a page's layout — like when using document.write to generate content — you should put it at the point where it should be called, usually within the <body> section.

JavaScript - Writing the code in HTML file

Example:

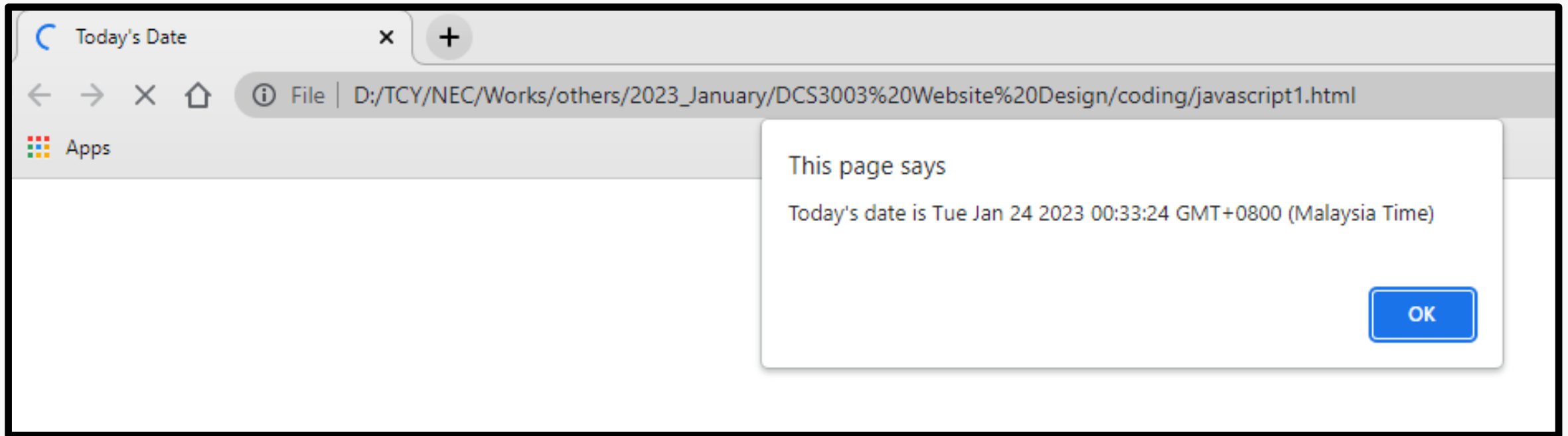
javascript1.html

A screenshot of a Notepad window titled '*javascript1 - Notepad'. The window contains HTML code with a JavaScript snippet. The JavaScript code is enclosed in a red rectangular box. The code is as follows:

```
<html>
<head>
<title>Today's Date</title>
<script>
let d = new Date();
alert("Today's date is " + d);
</script>
</head>
<body>
</body>
</html>
```

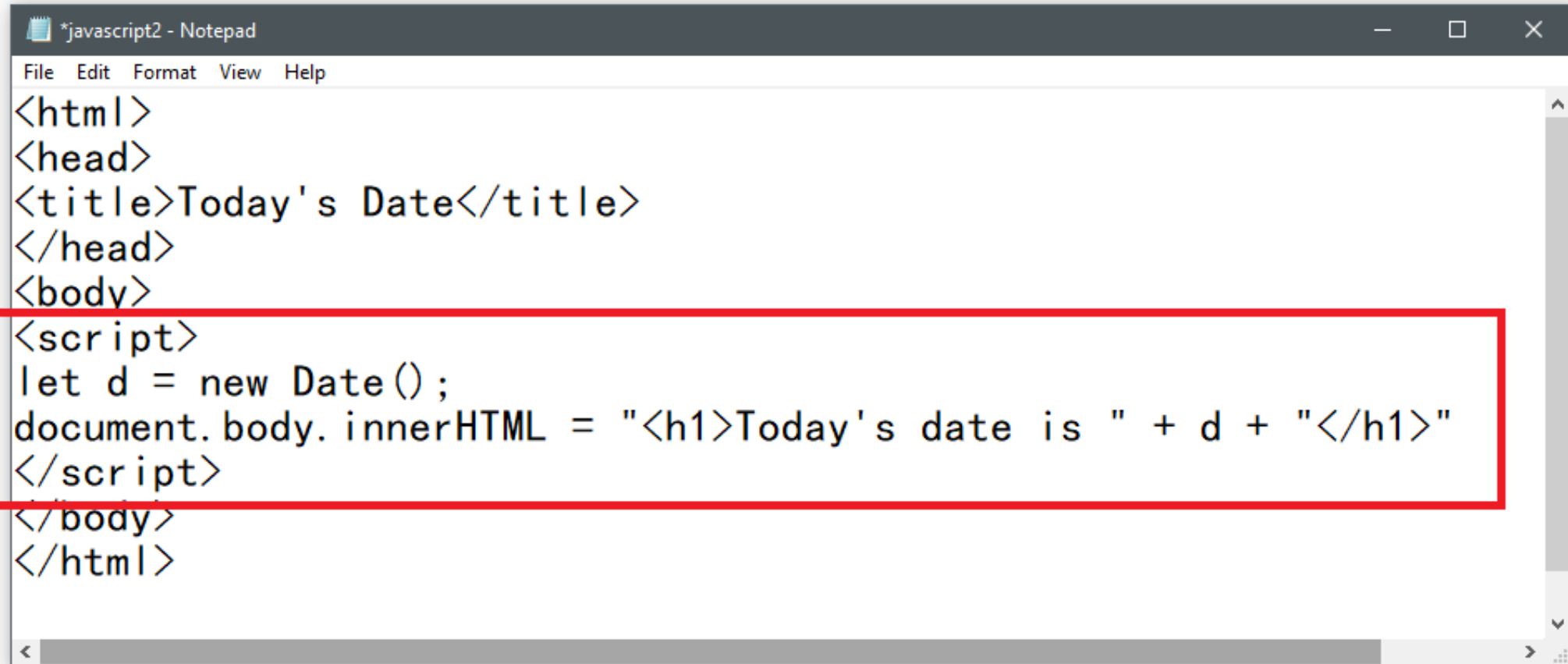
JavaScript - Writing the code in HTML file

Example: javascript1.html



JavaScript - Writing the code in HTML file

Example: javascript2.html



```
*javascript2 - Notepad
File Edit Format View Help
<html>
<head>
<title>Today's Date</title>
</head>
<body>
<script>
let d = new Date();
document.body.innerHTML = "<h1>Today's date is " + d + "</h1>"
</script>
</body>
</html>
```


JavaScript - Writing the code in HTML file

Example: javascript2.html




JavaScript - Including as a link to an external file

- To demonstrate how to connect a JavaScript document to an HTML document, let's create a small web project.
- It will consist of **script.js** in the js/ directory, style.css in the css/ directory, and a main index.html in the root of the project.

JavaScript - Including as a link to an external file

javascript3_index.html

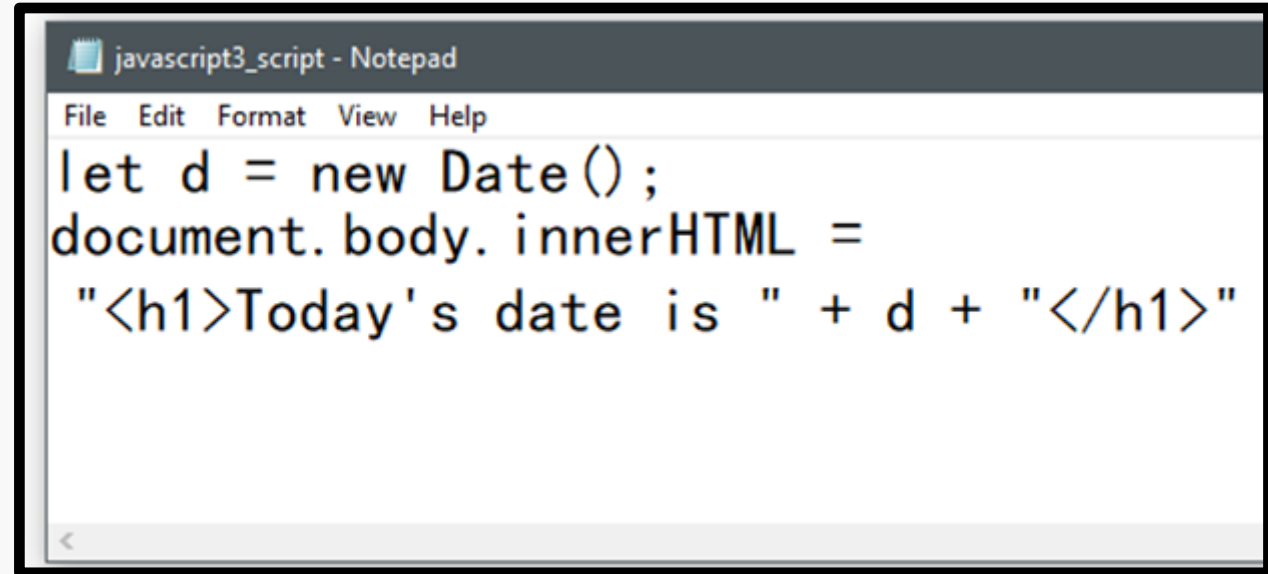
A screenshot of a Notepad window titled "javascript3_index - Notepad". The window has a menu bar with "File", "Edit", "Format", "View", and "Help". The text area contains the following HTML code:

```
<html>
<head>
<title>Today's Date</title>
</head>
<body>

<script src="javascript3_script.js"></script>

</body>
</html>
```

javascript3_script.js

A screenshot of a Notepad window titled "javascript3_script - Notepad". The window has a menu bar with "File", "Edit", "Format", "View", and "Help". The text area contains the following JavaScript code:

```
let d = new Date();
document.body.innerHTML =
"<h1>Today's date is " + d + "</h1>"
```


JavaScript - Including as a link to an external file

Example: javascript3_script.js



HTML

Image + JavaScript

HTML – Mouse Event

Event	Occurs When
onclick	A user clicks on an element
oncontextmenu	A user right-clicks on an element
ondblclick	A user double-clicks on an element
onmousedown	A mouse button is pressed over an element
onmouseenter	The mouse pointer moves into an element
onmouseleave	The mouse pointer moves out of an element
onmousemove	The mouse pointer moves over an element
onmouseout	The mouse pointer moves out of an element
onmouseover	The mouse pointer moves onto an element
onmouseup	A mouse button is released over an element

HTML – activity11c.html (onmouseover)

```
*activity11c - Notepad
File Edit Format View Help
<html><head><title>Flowers</title>
<script>
function bigImg(x) {
    x.style.height = "200px";
    x.style.width = "200px";
}
</script>
</head>
<body bgcolor=pink>
<hr size=4 color=blue width=50%>
<h1 align=center> Beauty of Flowers</h1>
<hr size=4 color=blue width=50%>

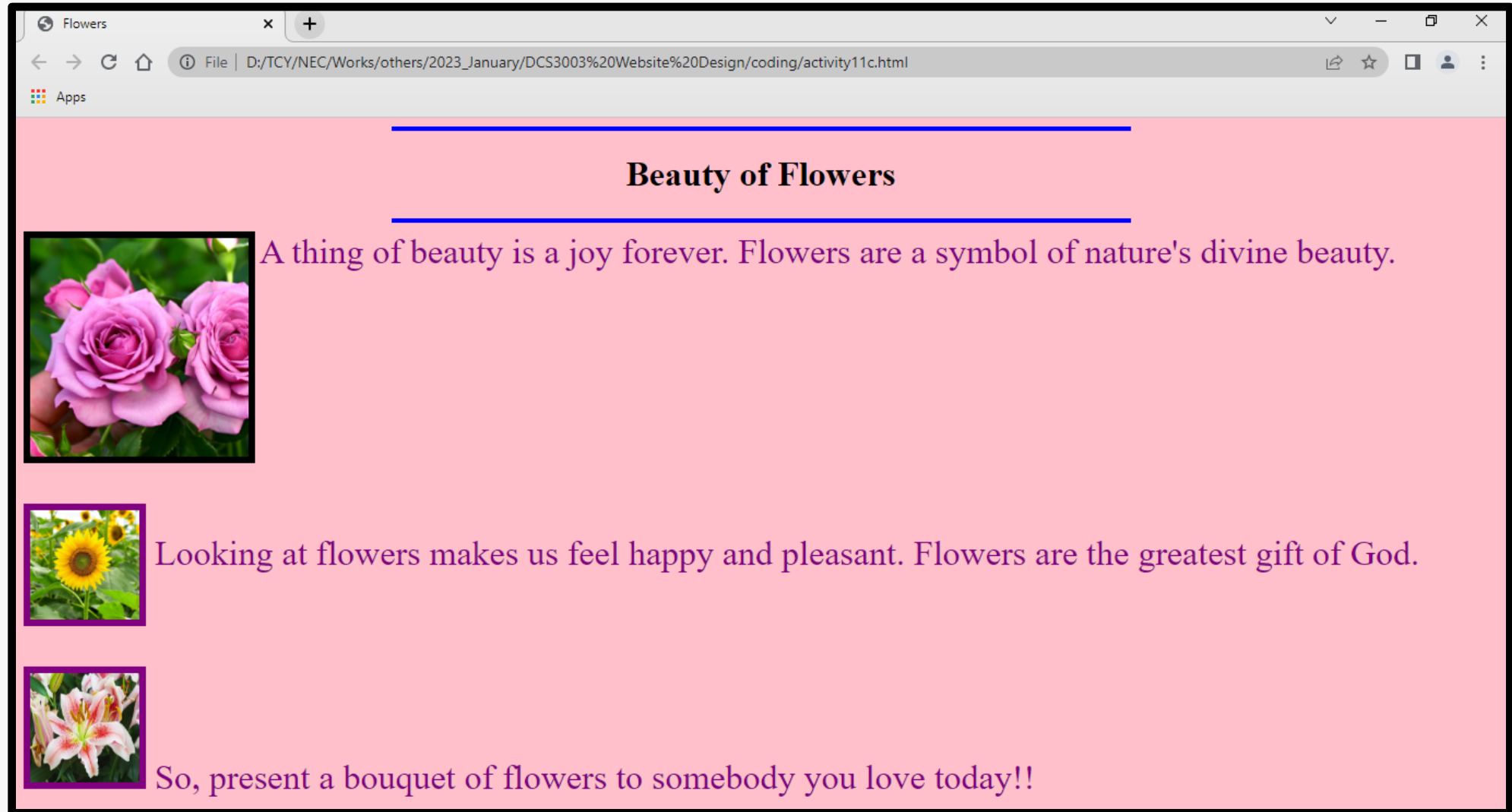

```

```
*activity11c - Notepad
File Edit Format View Help
<font color=purple size=6>
A thing of beauty is a joy forever.
Flowers are a symbol of nature's divine beauty.
<br><br>

Looking at flowers makes us feel happy and
pleasant. Flowers are the greatest gift of God.
<br><br>

So, present a bouquet of flowers to
somebody you love today!!
</font></body></html>
```

HTML – activity11c.html (onmouseover)



HTML – activity11d.html (onclick)

```
activity11d - Notepad
File Edit Format View Help
<html><head><title>Flowers</title>
<script>
function bigImg(x) {
    x.style.height = "200px";
    x.style.width = "200px";
}
</script>
</head>
<body bgcolor=pink>
<hr size=4 color=blue width=50%>
<h1 align=center> Beauty of Flowers</h1>
<hr size=4 color=blue width=50%>



<font color=purple size=6>
A thing of beauty is a joy forever.
Flowers are a symbol of nature's divine beauty.
<br><br>
```

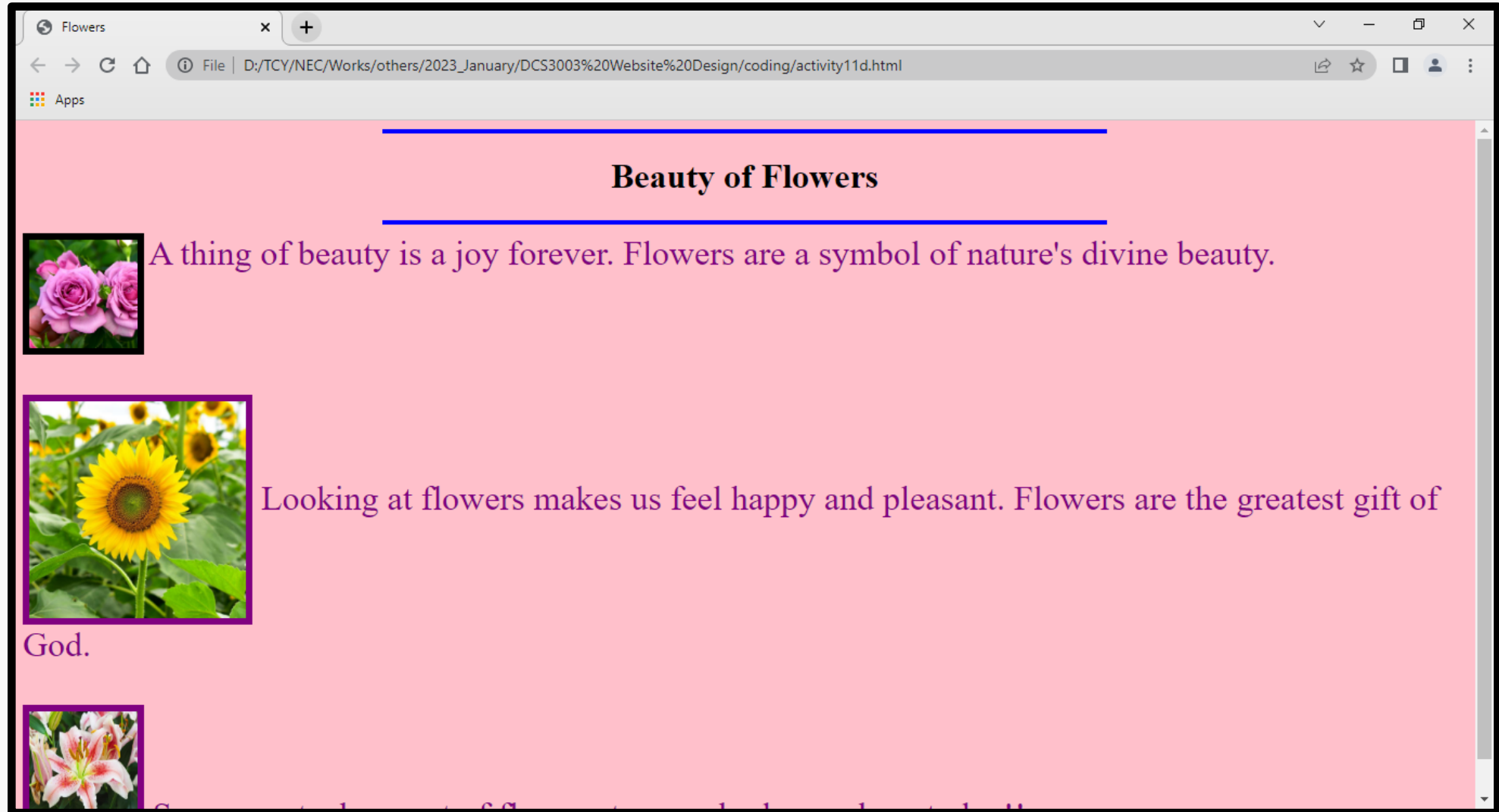
```
*activity11d - Notepad
File Edit Format View Help

Looking at flowers makes us feel
happy and pleasant. Flowers are
the greatest gift of God.

<br><br>

So, present a bouquet of flowers
to somebody you love today!!
</font></body></html>
```


HTML – activity11d.html (onclick)



HTML – activity11e.html (onclick)

```
activity11d - Notepad
File Edit Format View Help
<html><head><title>Flowers</title>
<script>
function bigImg(x) {
    x.style.height = "200px";
    x.style.width = "200px";
}
</script>
</head>
<body bgcolor=pink>
<hr size=4 color=blue width=50%>
<h1 align=center> Beauty of Flowers</h1>
<hr size=4 color=blue width=50%>



<font color=purple size=6>
A thing of beauty is a joy forever.
Flowers are a symbol of nature's divine beauty.
<br><br>
```

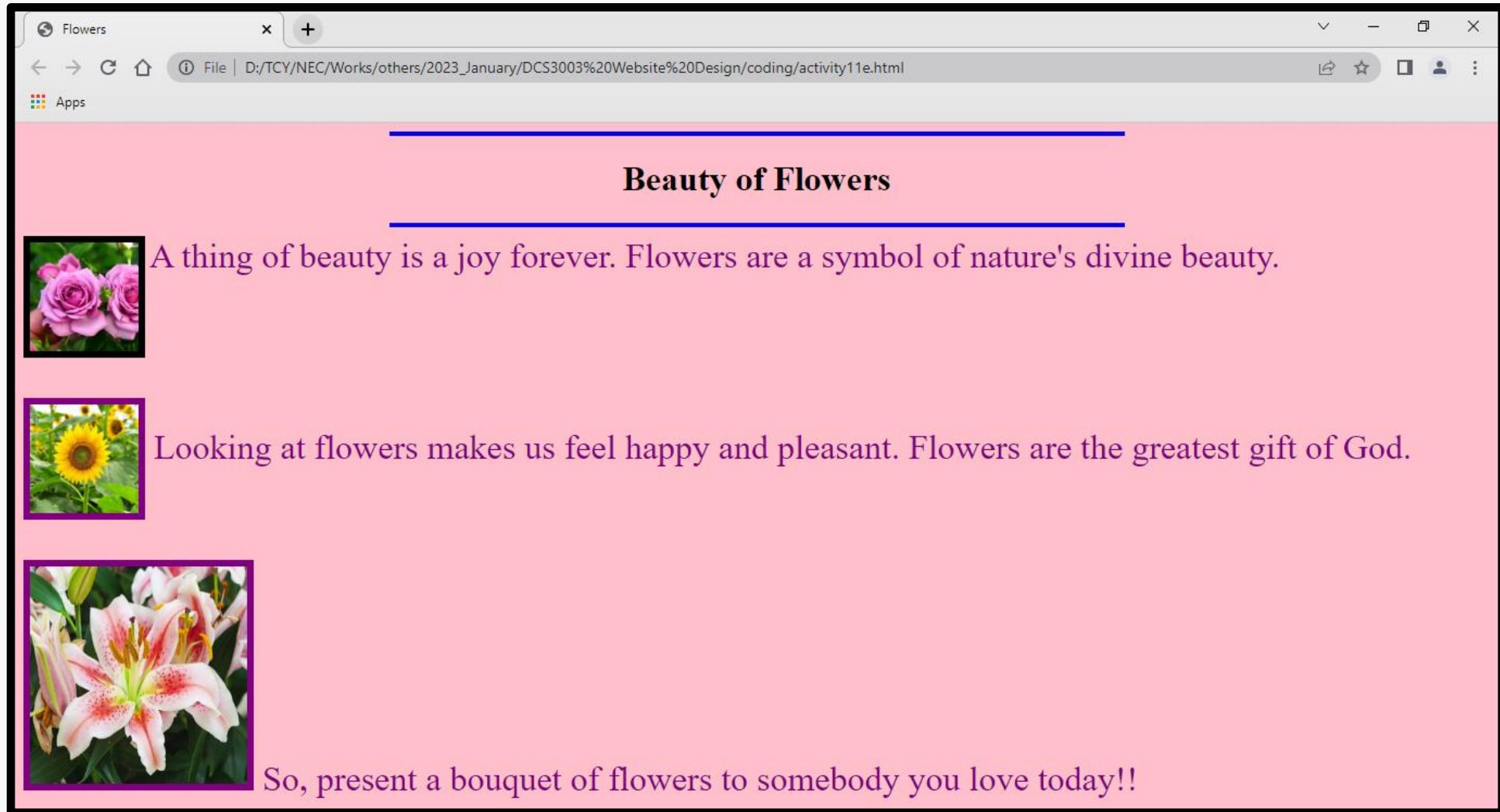
```
*activity11e - Notepad
File Edit Format View Help

Looking at flowers makes us feel
happy and pleasant. Flowers are
the greatest gift of God.

<br><br>

So, present a bouquet of flowers
to somebody you love today!!
</font></body></html>
```

HTML – activity11e.html (ondblclick)



HTML – activity11f.html (onmouseout)

```
*activity11f - Notepad
File Edit Format View Help
<html><head><title>Flowers</title>
<script>
function bigImg(x) {
  x.style.height = "200px";
  x.style.width = "200px";
}
function normalImg(x) {
  x.style.height = "100px";
  x.style.width = "100px";
}
</script></head>
<body bgcolor=pink>
<hr size=4 color=blue width=50%>
<h1 align=center> Beauty of Flowers</h1>
<hr size=4 color=blue width=50%>


<font color=purple size=6>
A thing of beauty is a joy forever.
Flowers are a symbol of nature's divine beauty.
<br><br>
```

```
*activity11f - Notepad
File Edit Format View Help
<img onclick="bigImg(this)"
onmouseout="normalImg(this)"
src= picture\sunflower.jpg
height=100 width=100
border=6 align=middle>
Looking at flowers makes us feel
happy and pleasant. Flowers are
the greatest gift of God.

<br><br>
<img onclick="bigImg(this)"
onmouseout="normalImg(this)"
src= Lily.jpeg
height=100 width=100
border=6 align=bottom>
So, present a bouquet of flowers
to somebody you love today!!
</font>
</body>
</html>
```

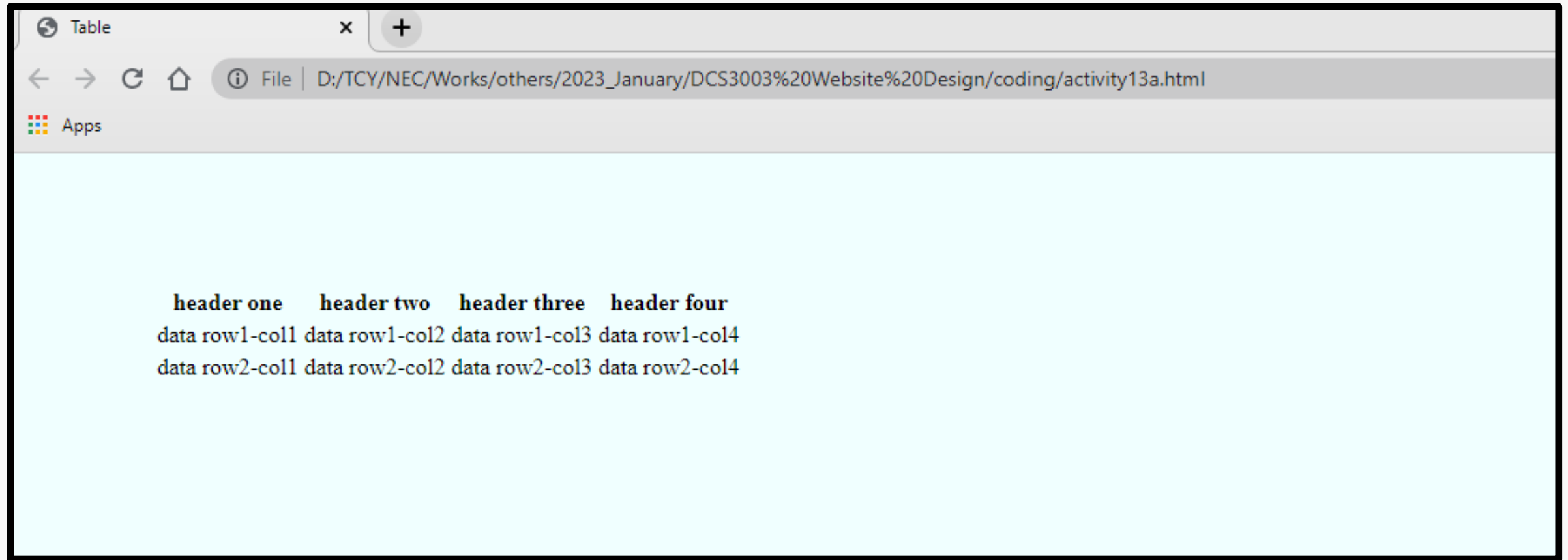
HTML

Table

HTML – Table

- 1) HTML tables are set off by table tags: `<table>...</table>`
(Container Tags)
- 2) Enclose one or more `tr` (table row) beginning and end tags:
`<table> <tr>...</tr> </table>`
- 3) Contain one or more `td` (table data) beginning and end tags, or optionally `th` (table header) tags, which set off the cells of the row:
`<table> <tr> <td>...(contents)...</td> </tr> </table>`

HTML – Basic Table - Activity 13a



The screenshot shows a web browser window with a single tab titled "Table". The address bar displays the file path: "D:/TCY/NEC/Works/others/2023_January/DCS3003%20Website%20Design/coding/activity13a.html". Below the address bar is a toolbar with navigation icons (back, forward, refresh, home) and an "Apps" button. The main content area of the browser displays a table with 4 columns and 3 rows. The first row contains the headers: "header one", "header two", "header three", and "header four". The second row contains the data: "data row1-col1", "data row1-col2", "data row1-col3", and "data row1-col4". The third row contains the data: "data row2-col1", "data row2-col2", "data row2-col3", and "data row2-col4".

header one	header two	header three	header four
data row1-col1	data row1-col2	data row1-col3	data row1-col4
data row2-col1	data row2-col2	data row2-col3	data row2-col4

HTML – **Table Attributes**

Attribute	Description
border	Displays a border around the table and each cell within the table.

- 1) HTML tables can have borders of different styles and shapes.
- 2) The HTML <table> border Attribute is used to specify the border of a table. It sets the border around the table cells.

Syntax: <table border="1 | 0">

HTML – Table border - Activity 13b

```
<html>
<head>
<title>Table</title>
</head>

<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1>
<tr>
<th>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

```
<tr>
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td>data row2-col1</td>
<td>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13b



The screenshot shows a web browser window with a single tab titled 'Table'. The address bar displays the file path: D:/TCY/NEC/Works/others/2023_January/DCS3003%20Website%20Design/coding/activity13b.html. Below the address bar, there is a section labeled 'Apps'. The main content area of the browser displays a table with a light blue background. The table has 4 columns and 3 rows. The first row contains the headers: 'header one', 'header two', 'header three', and 'header four'. The second row contains the data: 'data row1-col1', 'data row1-col2', 'data row1-col3', and 'data row1-col4'. The third row contains the data: 'data row2-col1', 'data row2-col2', 'data row2-col3', and 'data row2-col4'.

header one	header two	header three	header four
data row1-col1	data row1-col2	data row1-col3	data row1-col4
data row2-col1	data row2-col2	data row2-col3	data row2-col4

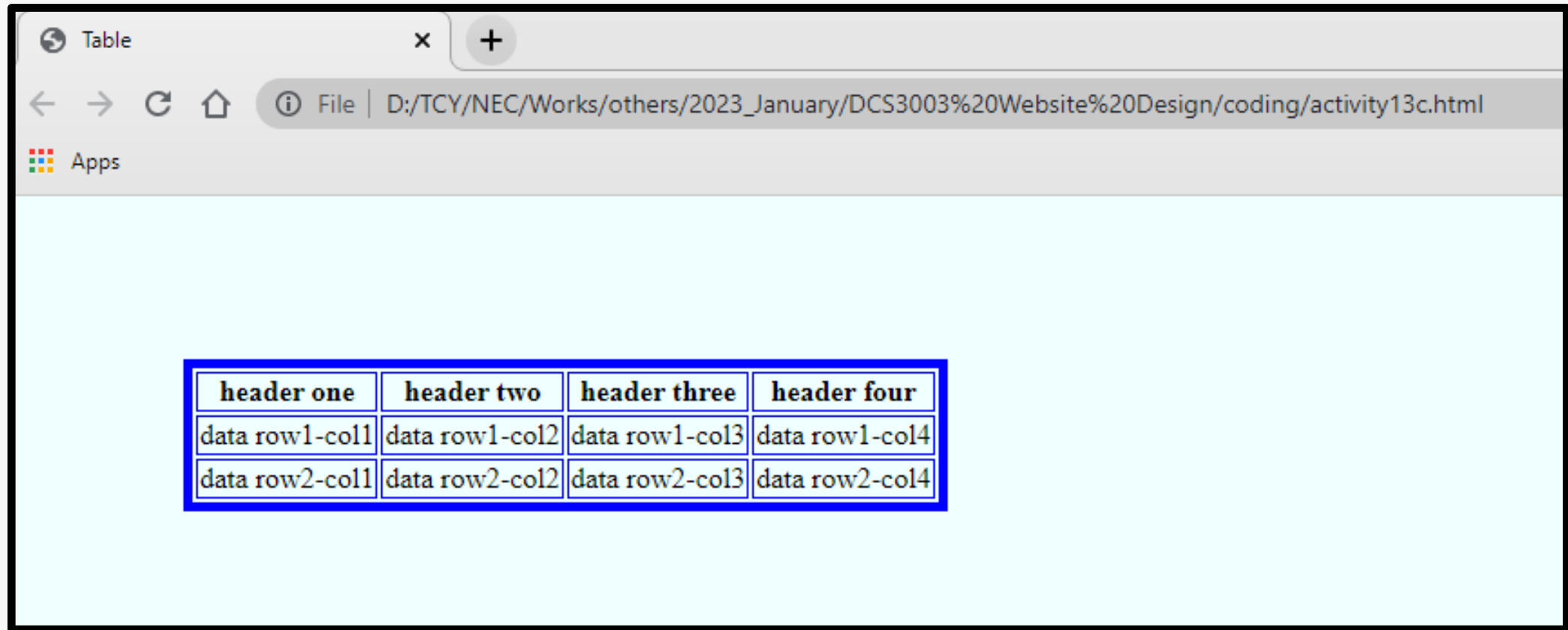
HTML – Table border - Activity 13c

```
<html>
<head>
<title>Table</title>
</head>

<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 style="border:5px solid blue;">
<tr>
<th>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

```
<tr>
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td>data row2-col1</td>
<td>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```


HTML – Table border - Activity 13c



HTML – **Table border**

- `<table border=1 style="border:3px solid blue;">`
- `<table border=1 style="border:3px dotted red;">`
- `<table border=1 style="border:5px dashed green;">`
- `<table border=1 style="border:5px double grey;">`
- `<table border=1 style="border:5px double grey; background-color: yellow;">`
- `<table border=1 style="border:5px double grey; background-color: yellow; border-radius: 10px;">`

HTML

Table (cont.)

HTML – Table Attributes

Attribute	Description
width	Adjusts the width of the table. The value can be either a percentage relative to the browser window size or a fixed pixel amount.
height	Adjusts the height of the table. The value can be either a percentage relative to the browser window size or a fixed pixel amount.

- It is possible to manipulate the width and height of tables and individual cells by assigning a fixed size in pixels or a variable size determined by a proportion of the window.

HTML – Table Attributes

Attribute	Description
width	Adjusts the width of the table. The value can be either a percentage relative to the browser window size or a fixed pixel amount.
height	Adjusts the height of the table. The value can be either a percentage relative to the browser window size or a fixed pixel amount.

- To manipulate the height or width of an entire table ->

`<TABLE WIDTH=" " HEIGHT=" " >`

- To manipulate individual cells ->

`<TR WIDTH=" " HEIGHT=" " > <TD WIDTH=" " HEIGHT=" " >`

HTML – Table border - Activity 13d

```
<html>
<head>
<title>Table</title>
</head>

<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=700 height=300>
<tr>
<th>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

```
<tr>
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td>data row2-col1</td>
<td>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13d

```
<html>
<head>
<title>Table</title>
</head>

<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%>
<tr>
<th>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

```
<tr>
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td>data row2-col1</td>
<td>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13d

```
<html>
<head>
<title>Table</title>
</head>

<body bgcolor="azure"
leftmargin="100" topmargin="90" >

<table border=1 width=80% height=40%>
<tr width=300 height=100>
<th>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

```
<tr>
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td>data row2-col1</td>
<td>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```


HTML – Table border - Activity 13d

```
<html>
<head>
<title>Table</title>
</head>

<body bgcolor="azure"
leftmargin="100" topmargin="90" >

<table border=1 width=80% height=40%>
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

```
<tr>
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td>data row2-col1</td>
<td>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13d

1)

```
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=700 height=300>
<tr>
<th>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

3)

```
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%>
<tr width=300 height=100>
<th>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

2)

```
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%>
<tr>
<th>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

4)

```
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%>
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

HTML – Table border - Activity 13d

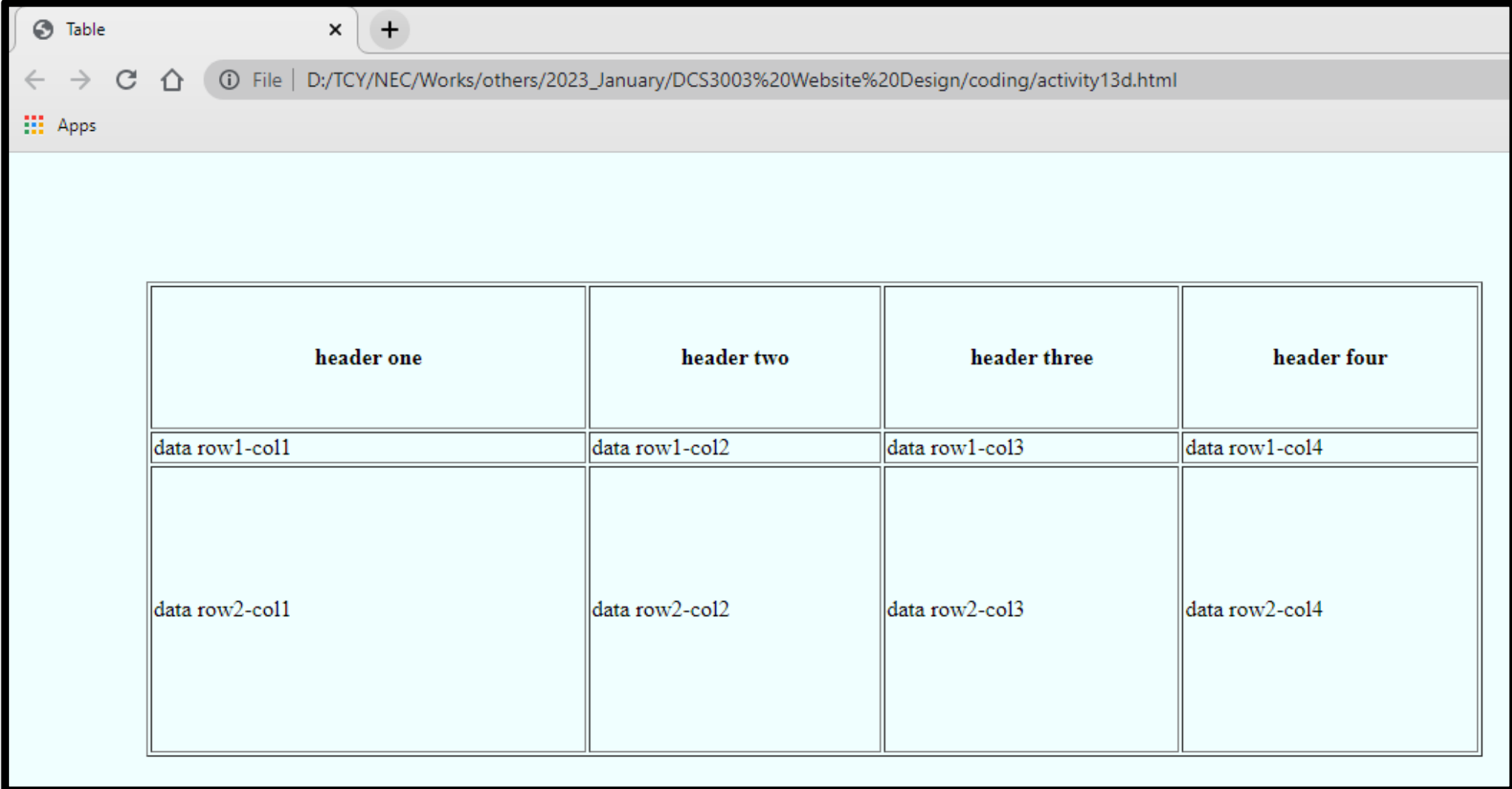
```
<html>
<head>
<title>Table</title>
</head>

<body bgcolor="azure"
leftmargin="100" topmargin="90" >

<table border=1 width=80% height=40%>
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>

<tr>
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td>data row2-col1</td>
<td width=200 height=200>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13d



The screenshot shows a web browser window with a single tab titled "Table". The address bar displays the file path: "D:/TCY/NEC/Works/others/2023_January/DCS3003%20Website%20Design/coding/activity13d.html". Below the address bar is a toolbar with navigation icons and an "Apps" button. The main content area of the browser displays a table with a light blue background. The table has 4 columns and 2 rows of data. The first row contains headers: "header one", "header two", "header three", and "header four". The second row contains data: "data row1-col1", "data row1-col2", "data row1-col3", and "data row1-col4". The third row contains data: "data row2-col1", "data row2-col2", "data row2-col3", and "data row2-col4".

header one	header two	header three	header four
data row1-col1	data row1-col2	data row1-col3	data row1-col4
data row2-col1	data row2-col2	data row2-col3	data row2-col4

HTML – Table Attributes

Attribute	Description
align	Floats the table to the left, right or center of text.
background	Specifies a background image that tiles the background of the cell.
bgcolor	Specifies a color for the table background.

- **<TABLE ALIGN=LEFT/RIGHT/CENTER>**
- **<TABLE background="pic.jpg" width=100% height=100%>**
- **<TABLE BGCOLOR=light sea green>**

HTML – Table border - Activity 13e

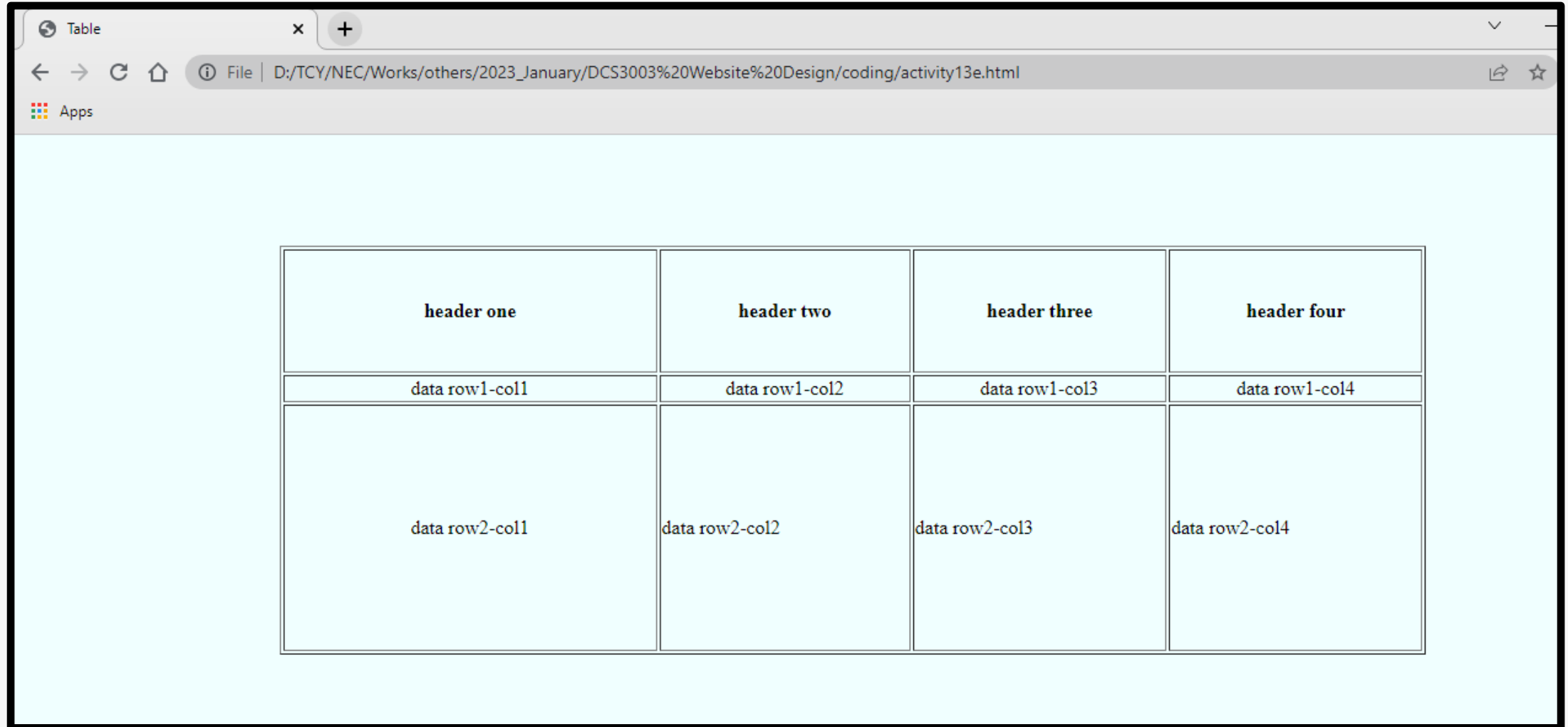
```
<html>
<head>
<title>Table</title>
</head>
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%
align=center>
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
<tr>
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td>data row2-col1</td>
<td width=200 height=200>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13e

```
<html>
<head>
<title>Table</title>
</head>
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%
align=center>
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

```
<tr align=center >
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td align=center>data row2-col1</td>
<td width=200 height=200>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13e



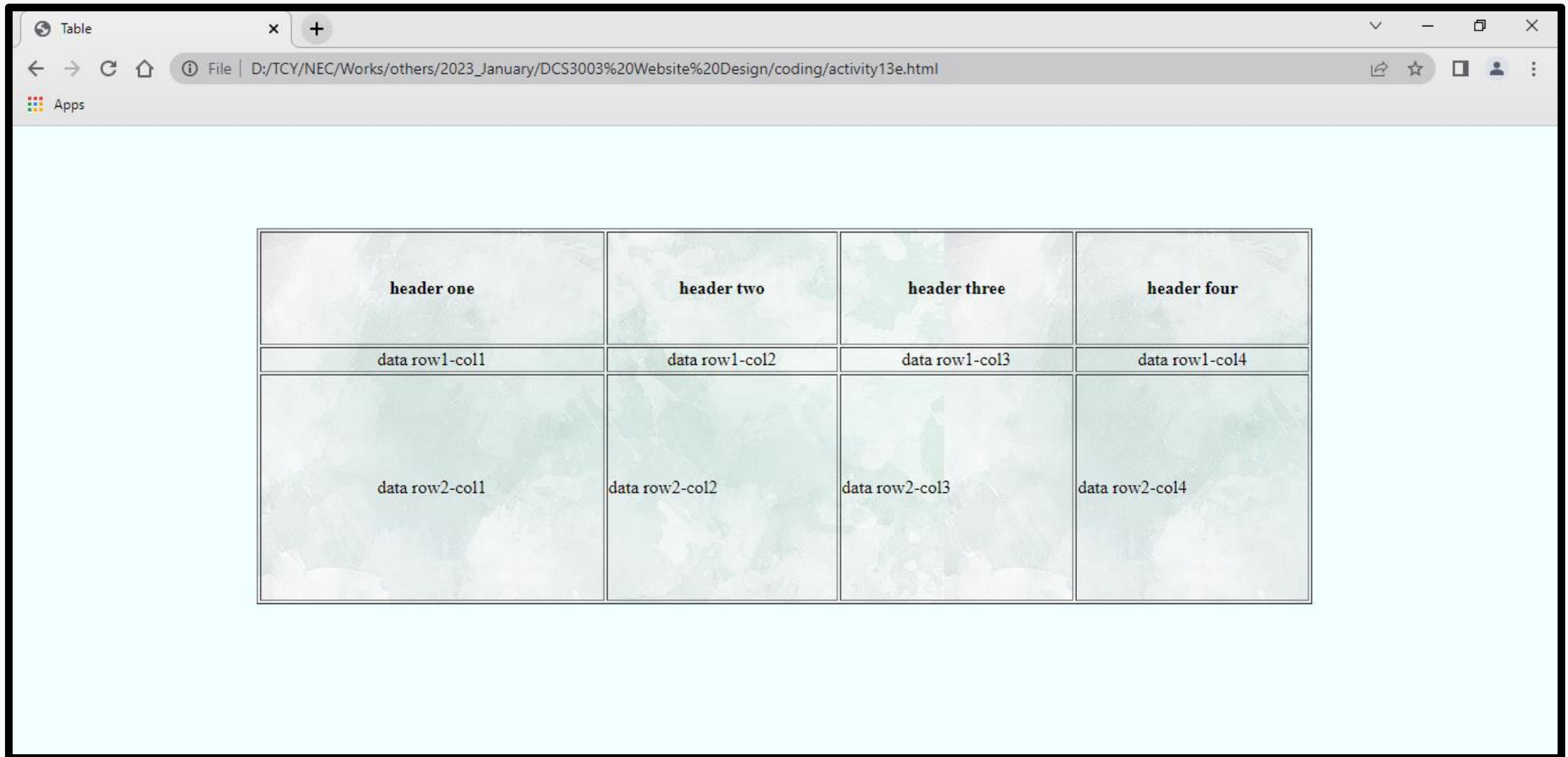
The screenshot shows a web browser window with a single tab titled "Table". The address bar displays the file path: `D:/TCY/NEC/Works/others/2023_January/DCS3003%20Website%20Design/coding/activity13e.html`. The browser interface includes back, forward, and refresh buttons, as well as a search icon. The main content area features a table with a light blue background and a black border. The table has 4 columns and 3 rows. The first row contains headers: "header one", "header two", "header three", and "header four". The second row contains data: "data row1-col1", "data row1-col2", "data row1-col3", and "data row1-col4". The third row contains data: "data row2-col1", "data row2-col2", "data row2-col3", and "data row2-col4".

header one	header two	header three	header four
data row1-col1	data row1-col2	data row1-col3	data row1-col4
data row2-col1	data row2-col2	data row2-col3	data row2-col4

HTML – Table border - Activity 13e

```
<html>
<head>
<title>Table</title>
</head>
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%
align=center background="pic.jpg">
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
<tr align=center >
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td align=center>data row2-col1</td>
<td width=200 height=200>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13e



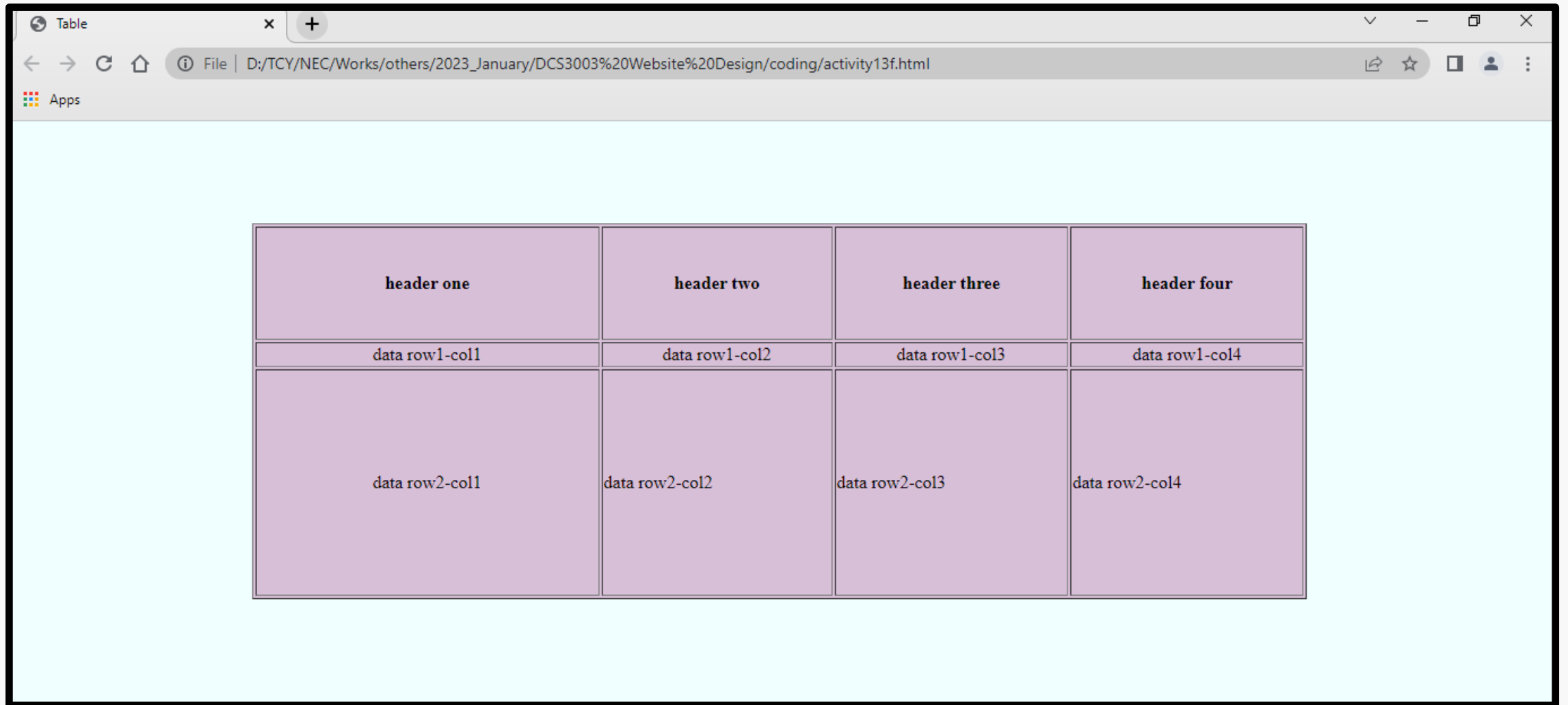
The screenshot shows a web browser window with a single tab titled "Table". The address bar displays the file path: "D:/TCY/NEC/Works/others/2023_January/DCS3003%20Website%20Design/coding/activity13e.html". The browser interface includes standard navigation buttons (back, forward, refresh, home) and a search bar. The main content area displays a table with a light blue background and a thin black border. The table has two rows and four columns. The first row contains header cells labeled "header one", "header two", "header three", and "header four". The second row contains data cells labeled "data row1-col1", "data row1-col2", "data row1-col3", and "data row1-col4". The third row contains data cells labeled "data row2-col1", "data row2-col2", "data row2-col3", and "data row2-col4".

header one	header two	header three	header four
data row1-col1	data row1-col2	data row1-col3	data row1-col4
data row2-col1	data row2-col2	data row2-col3	data row2-col4

HTML – Table border - Activity 13f

```
<html><head>
<title>Table</title>
</head>
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%
align=center bgcolor=thistle>
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
<tr align=center >
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td align=center>data row2-col1</td>
<td width=200 height=200>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13f

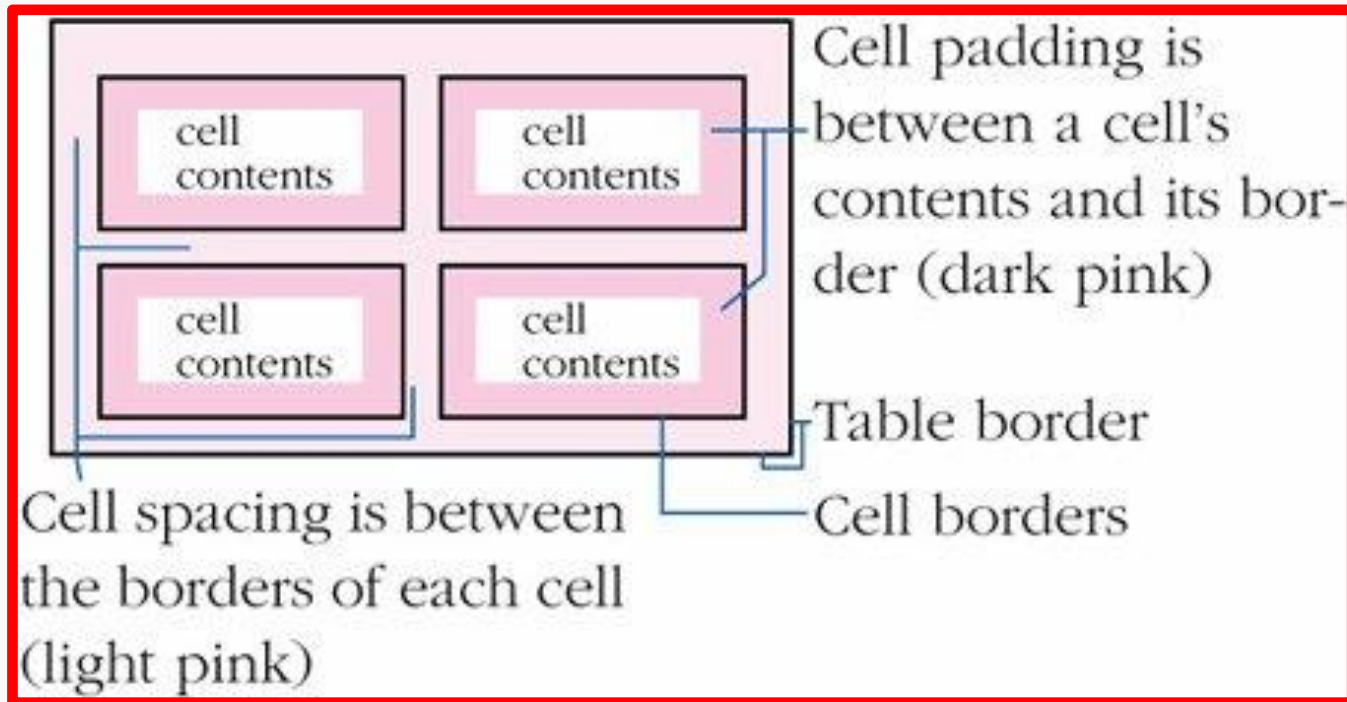


The screenshot shows a web browser window titled "Table" with a single tab. The address bar displays the file path: `D:/TCY/NEC/Works/others/2023_January/DCS3003%20Website%20Design/coding/activity13f.html`. The browser interface includes standard navigation buttons (back, forward, refresh, home) and a search bar. The main content area displays an HTML table with a light purple background and black borders. The table has 4 columns and 2 rows. The first row contains headers: "header one", "header two", "header three", and "header four". The second row contains data: "data row1-col1", "data row1-col2", "data row1-col3", and "data row1-col4". The third row contains data: "data row2-col1", "data row2-col2", "data row2-col3", and "data row2-col4".

header one	header two	header three	header four
data row1-col1	data row1-col2	data row1-col3	data row1-col4
data row2-col1	data row2-col2	data row2-col3	data row2-col4

HTML – Table Attributes

Attribute	Description
cellpadding	Inserts spacing within the table cells on all four sides. The value for this attribute is a pixel count.
cellspacing	Insert spacing within the table cells on all four sides. The value for this attribute is a pixel count.



HTML – Table Attributes

Attribute	Description
cellpadding	Inserts spacing within the table cells on all four sides. The value for this attribute is a pixel count.
cellspacing	Insert spacing within the table cells on all four sides. The value for this attribute is a pixel count.

- **<TABLE CELLPADDING=5PX>**
- **<TABLE CELLSPACING=10PX>**
- **<TABLE CELLPADDING=5PX CELLSPACING=10PX>**

HTML – Table border - Activity 13g

```
<html><head>
<title>Table</title>
</head>
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%
align=center bgcolor=thistle
cellpadding=5px>
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

```
<tr align=center >
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td align=center>data row2-col1</td>
<td width=200 height=200>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13g

```
<html><head>
<title>Table</title>
</head>
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%
align=center bgcolor=thistle
cellspacing=10px>
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

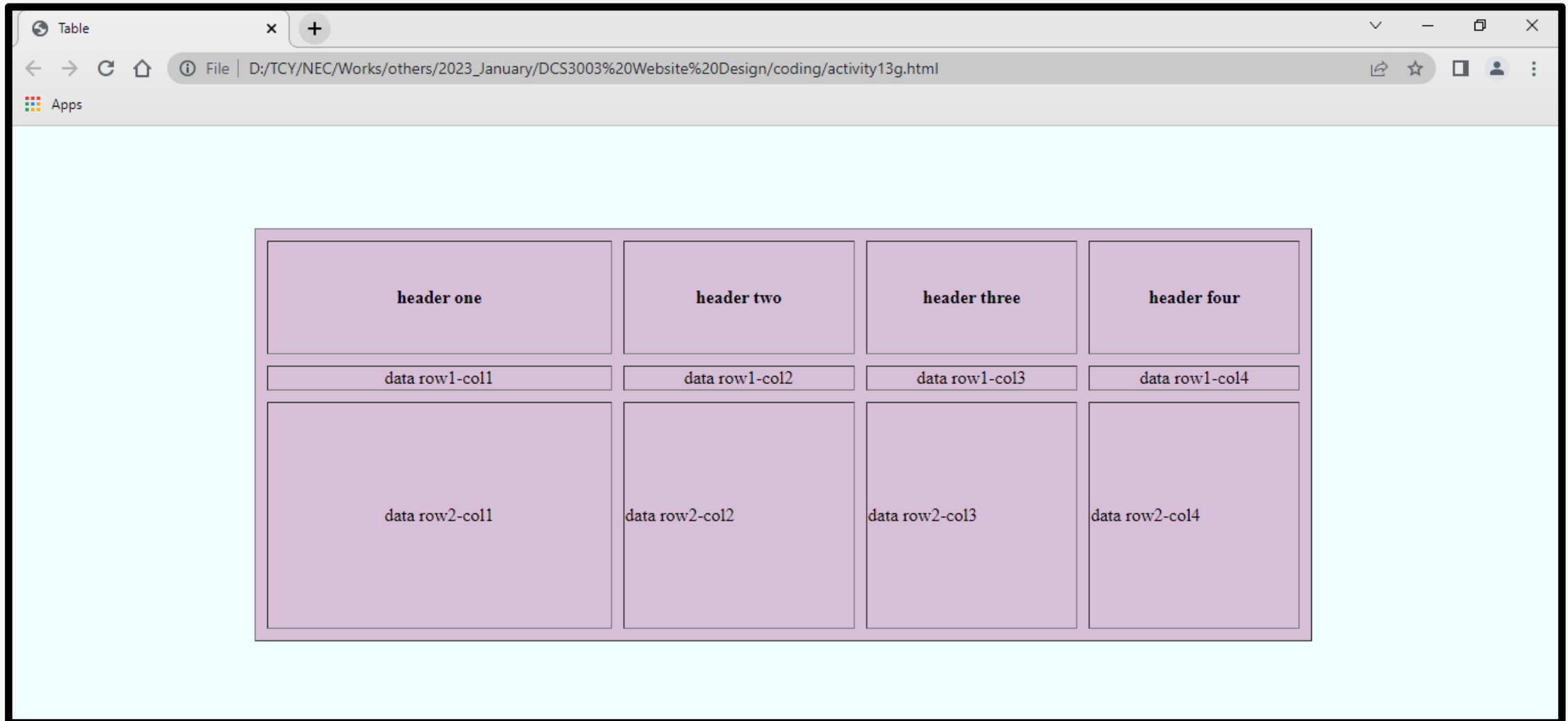
```
<tr align=center >
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td align=center>data row2-col1</td>
<td width=200 height=200>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```


HTML – Table border - Activity 13g

```
<html><head>
<title>Table</title>
</head>
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%
align=center bgcolor=thistle
cellpadding=5px cellspacing=10px >
<tr width=300 height=100>
<th width=300 height=100>header one</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

```
<tr align=center >
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td align=center>data row2-col1</td>
<td width=200 height=200>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13g



header one	header two	header three	header four
data row1-col1	data row1-col2	data row1-col3	data row1-col4
data row2-col1	data row2-col2	data row2-col3	data row2-col4

HTML – Colspan and Rowspan Attributes

- Colspan attribute -> to merge two or more columns into a single column. Allows a single table cell to span the width of more than one cell or column.
- Rowspan -> to merge two or more rows. Allows a single table cell to span the height of more than one cell or row.
- Both colspan and rowspan are attributes of the two table-cell elements, `<th>` and `<td>`.

HTML – Table border - Activity 13h

```
<html><head>
<title>Table</title>
</head>
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%
align=center bgcolor=thistle
cellpadding=5px cellspacing=10px >
<tr width=300 height=100>
<th rowspan='2'>header one + header
two</th>
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
```

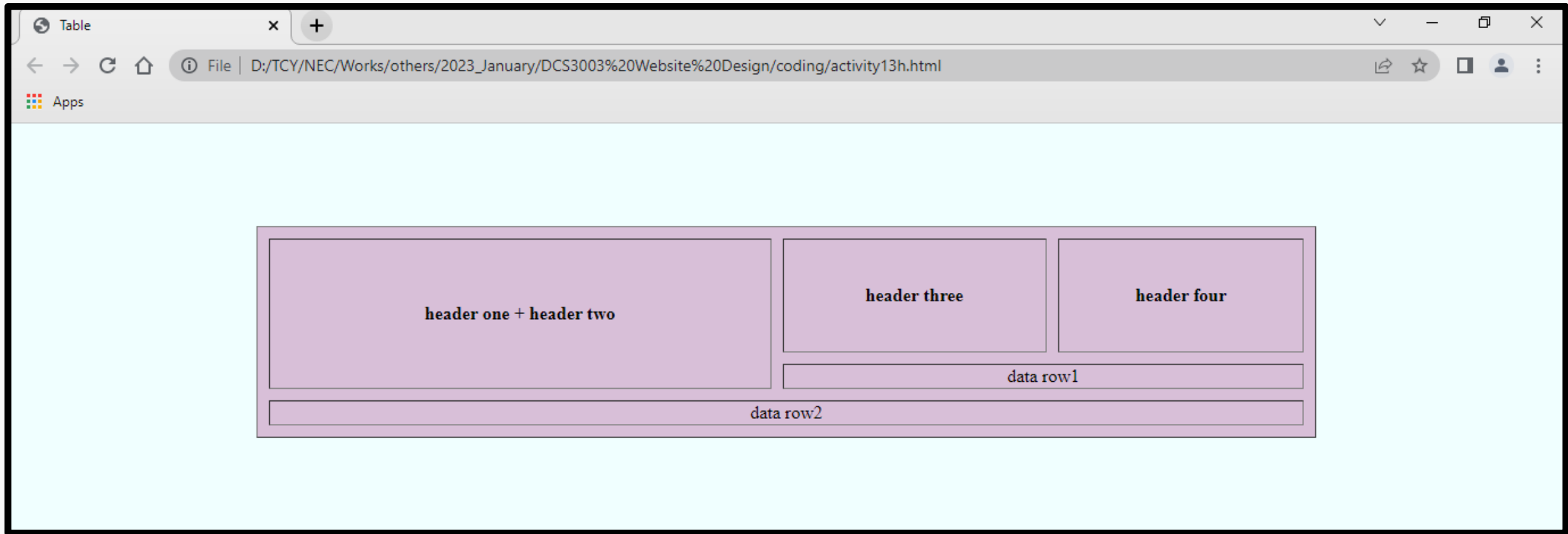
```
<tr align=center >
<td>data row1-col1</td>
<td>data row1-col2</td>
<td>data row1-col3</td>
<td>data row1-col4</td>
</tr>
<tr>
<td align=center>data row2-col1</td>
<td width=200 height=200>data row2-col2</td>
<td>data row2-col3</td>
<td>data row2-col4</td>
</tr>
</table>
</body></html>
```


HTML – Table border - Activity 13h

```
<html><head>
<title>Table</title>
</head>
<body bgcolor="azure"
leftmargin="100" topmargin="90" >
<table border=1 width=80% height=40%
align=center bgcolor=thistle
cellpadding=5px cellspacing=10px >
<tr width=300 height=100>
<th rowspan=2>header one + header
two</th>
```

```
<th>header two</th>
<th>header three</th>
<th>header four</th>
</tr>
<tr align=center >
<td colspan=3>data row1</td>
</tr>
<tr>
<td colspan=3 align=center>data row2</td>
</tr>
</table>
</body></html>
```

HTML – Table border - Activity 13h



The screenshot shows a web browser window with a single tab titled "Table". The address bar displays the file path: `D:/TCY/NEC/Works/others/2023_January/DCS3003%20Website%20Design/coding/activity13h.html`. The browser's address bar also includes navigation icons (back, forward, refresh, home) and a search icon. The main content area of the browser displays a table with a light purple background and a black border. The table has 3 columns and 3 rows. The first row contains the text "header one + header two" in the first column, "header three" in the second column, and "header four" in the third column. The second row contains an empty cell in the first column and the text "data row1" in the second and third columns. The third row contains the text "data row2" in the second and third columns.

header one + header two	header three	header four
	data row1	
	data row2	

HTML

Table in Table

HTML – **Table in Table**

- 1) Nested Table or ‘tables within table’
- 2) A nested table is one table placed inside of another
- 3) Nested tables are a way to organize objects, such as images or text, in evenly spaced rows and columns.
- 4) A nested table may also allow to arrange different sets of data in groups.

HTML – **Table in Table**

5) Most of the complex and large tables might include nesting of tables within the main table to have better control in the coding.

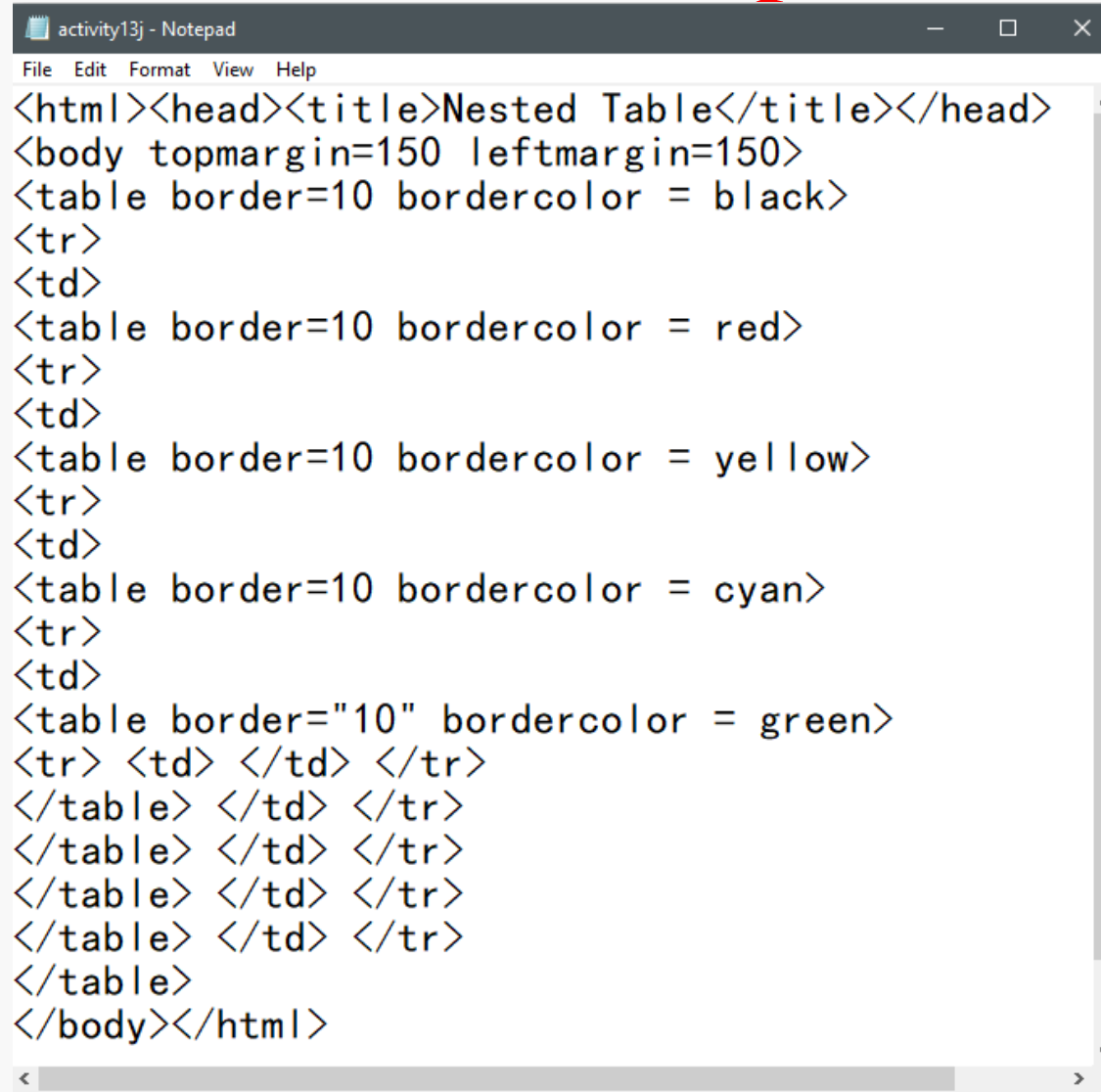
6) Using nested tables might help create beautiful and interesting appearances and visuals.

HTML – **Nested Table** Pre-requisites

- 1) Before create a nested table, create first table using the `<table>` tag. This table is known as the outer table.
- 2) The second table that will be nested table is called the inner table. This table is also created using the `<table>` tag.

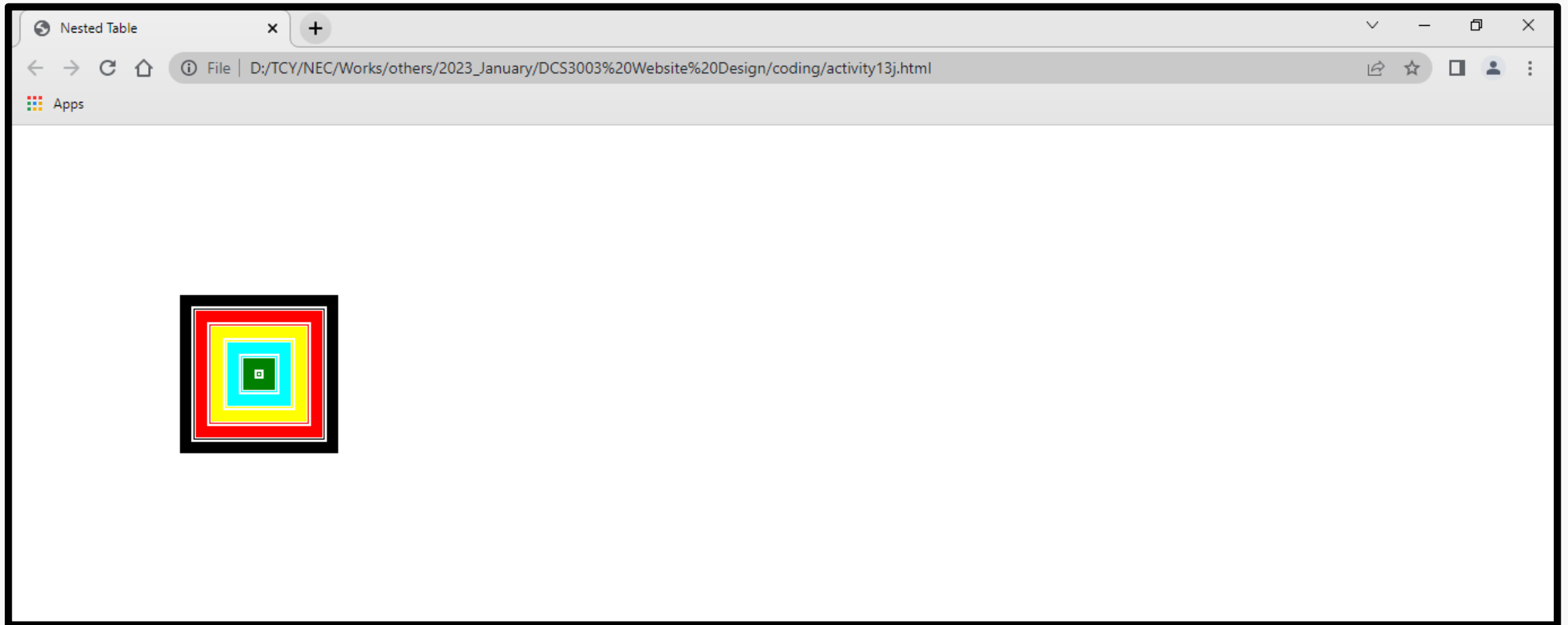
Note: The inner table always has to be placed between the `<td>` `</td>` of the outer table.

HTML – Nested Table – Example 1 – activity13j.html

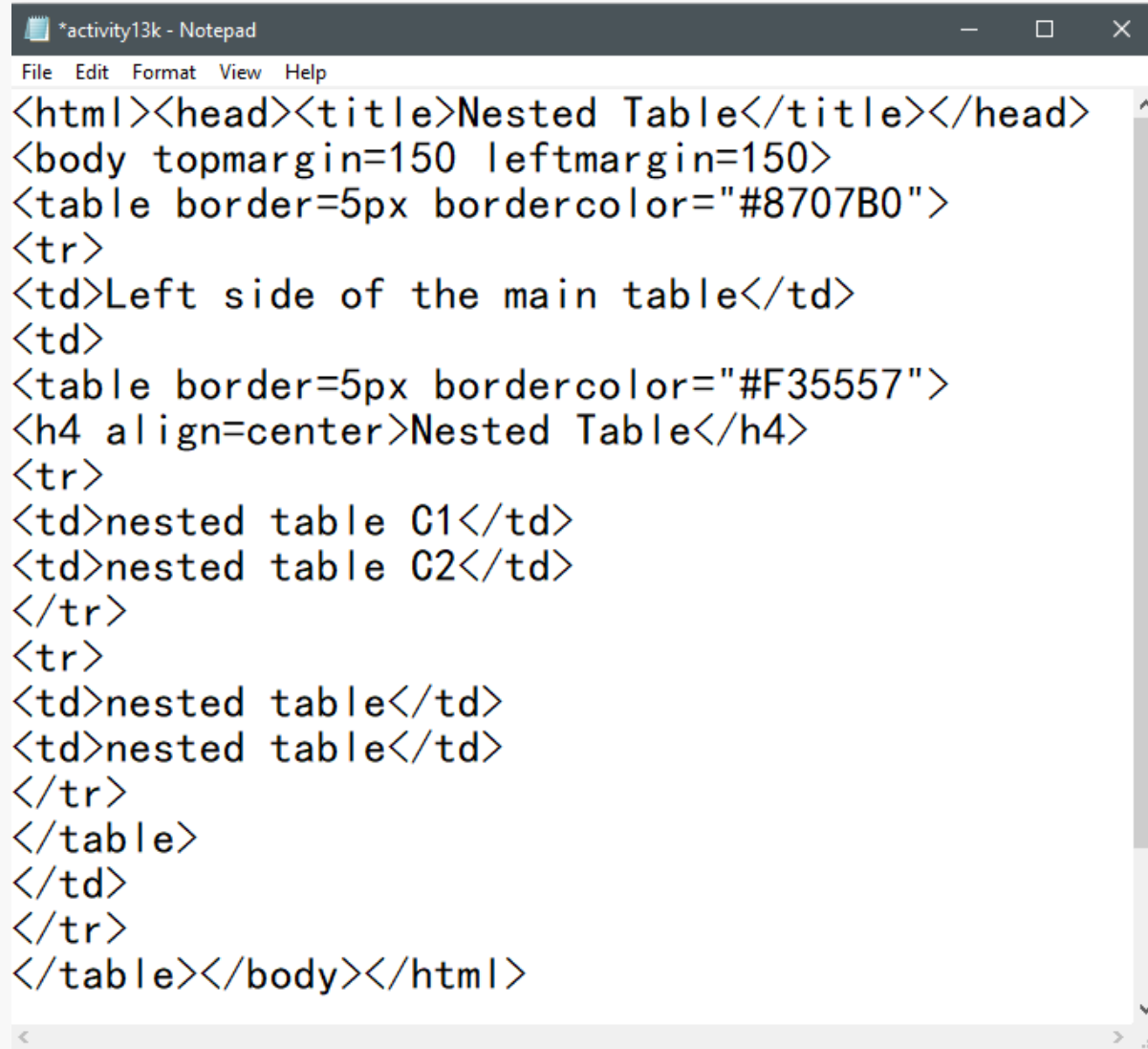
A screenshot of a Notepad window titled 'activity13j - Notepad'. The window contains HTML code for a nested table. The code starts with a standard HTML document structure, including a head section with a title 'Nested Table'. The body section contains a table with a black border. Inside this table, there is a row with a single cell containing a table with a red border. This red-bordered table has a single row with a cell containing a table with a yellow border. This yellow-bordered table has a single row with a cell containing a table with a cyan border. This cyan-bordered table has a single row with a cell containing a table with a green border. This green-bordered table has a single row with a single cell. The code ends with the closing tags for the body and the HTML document.

```
activity13j - Notepad
File Edit Format View Help
<html><head><title>Nested Table</title></head>
<body topmargin=150 leftmargin=150>
<table border=10 bordercolor = black>
<tr>
<td>
<table border=10 bordercolor = red>
<tr>
<td>
<table border=10 bordercolor = yellow>
<tr>
<td>
<table border=10 bordercolor = cyan>
<tr>
<td>
<table border="10" bordercolor = green>
<tr> <td> </td> </tr>
</table> </td> </tr>
</table> </td> </tr>
</table> </td> </tr>
</table> </td> </tr>
</table>
</body></html>
```

HTML – Nested Table – Example 1 – activity13j.html

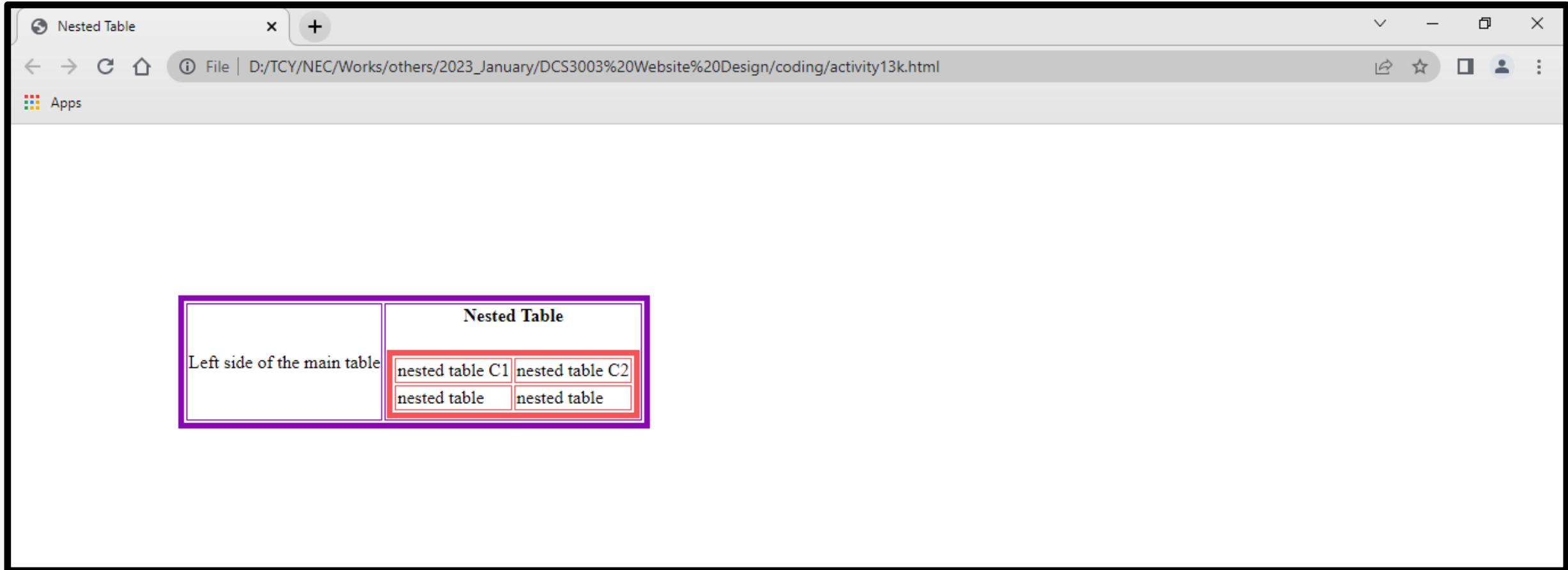


HTML – Nested Table – Example 2 – activity13k.html

A screenshot of a Notepad window titled '*activity13k - Notepad'. The window contains HTML code for a nested table. The code starts with a standard HTML document structure, including a head section with a title 'Nested Table'. The body section contains a main table with a border of 5px and a border color of #8707B0. The first row of the main table has two cells: the first contains the text 'Left side of the main table', and the second contains a nested table. The nested table has a border of 5px and a border color of #F35557. It contains two rows: the first row has two cells with the text 'nested table C1' and 'nested table C2', and the second row has two cells with the text 'nested table' and 'nested table'. The code ends with the closing tags for the main table, body, and html.

```
*activity13k - Notepad
File Edit Format View Help
<html><head><title>Nested Table</title></head>
<body topmargin=150 leftmargin=150>
<table border=5px bordercolor="#8707B0">
<tr>
<td>Left side of the main table</td>
<td>
<table border=5px bordercolor="#F35557">
<h4 align=center>Nested Table</h4>
<tr>
<td>nested table C1</td>
<td>nested table C2</td>
</tr>
<tr>
<td>nested table</td>
<td>nested table</td>
</tr>
</table>
</td>
</tr>
</table></body></html>
```

HTML – Nested Table – Example 2 – activity13k.html

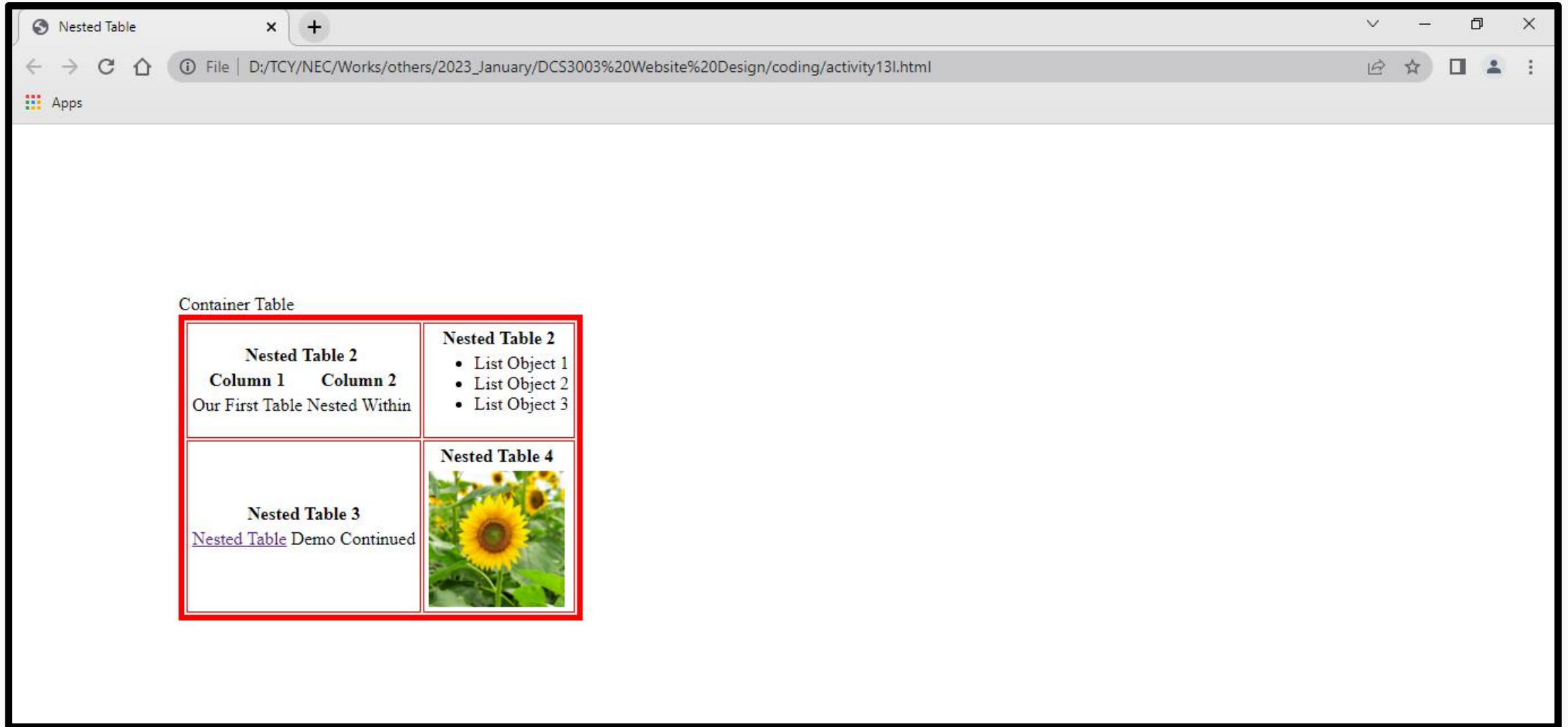


HTML – Nested Table – Example 3 – activity131.html

```
activity131 - Notepad
File Edit Format View Help
<html><head><title>Nested Table</title></head>
<body topmargin=150 leftmargin=150>
<caption title=Container Table>
Container Table </caption>
<table border=5px bordercolor = red>
<tr><td>
<table>
<tr><th colspan=2> Nested Table 2 </th></tr>
<tr><th> Column 1 </th><th> Column 2 </th></tr>
<tr><td> Our First Table </td>
<td> Nested Within </td></tr>
</table>
</td>
<td>
<table>
<tr><th> Nested Table 2 </th></tr>
<tr><td>
<ul>
<li> List Object 1 </li>
<li> List Object 2 </li>
<li> List Object 3 </li>
</ul>
```

```
activity131 - Notepad
File Edit Format View Help
</td></tr></table>
</td></tr>
<tr>
<td>
<table>
<tr><th colspan=2 align=center>
Nested Table 3 </th></tr>
<tr>
<td><a href="activity7.html" target="_blank">
Nested Table </a></td>
<td> Demo Continued </td></tr>
</table></td>
<td>
<table>
<tr><th> Nested Table 4 </th></tr>
<tr>
<td><img src=sunflower.jpg
height=120px width=120px alt=Sunflower>
</td></tr></table>
</td>
</tr>
</table></body></html>
```

HTML – Nested Table – Example 3 – activity131.html

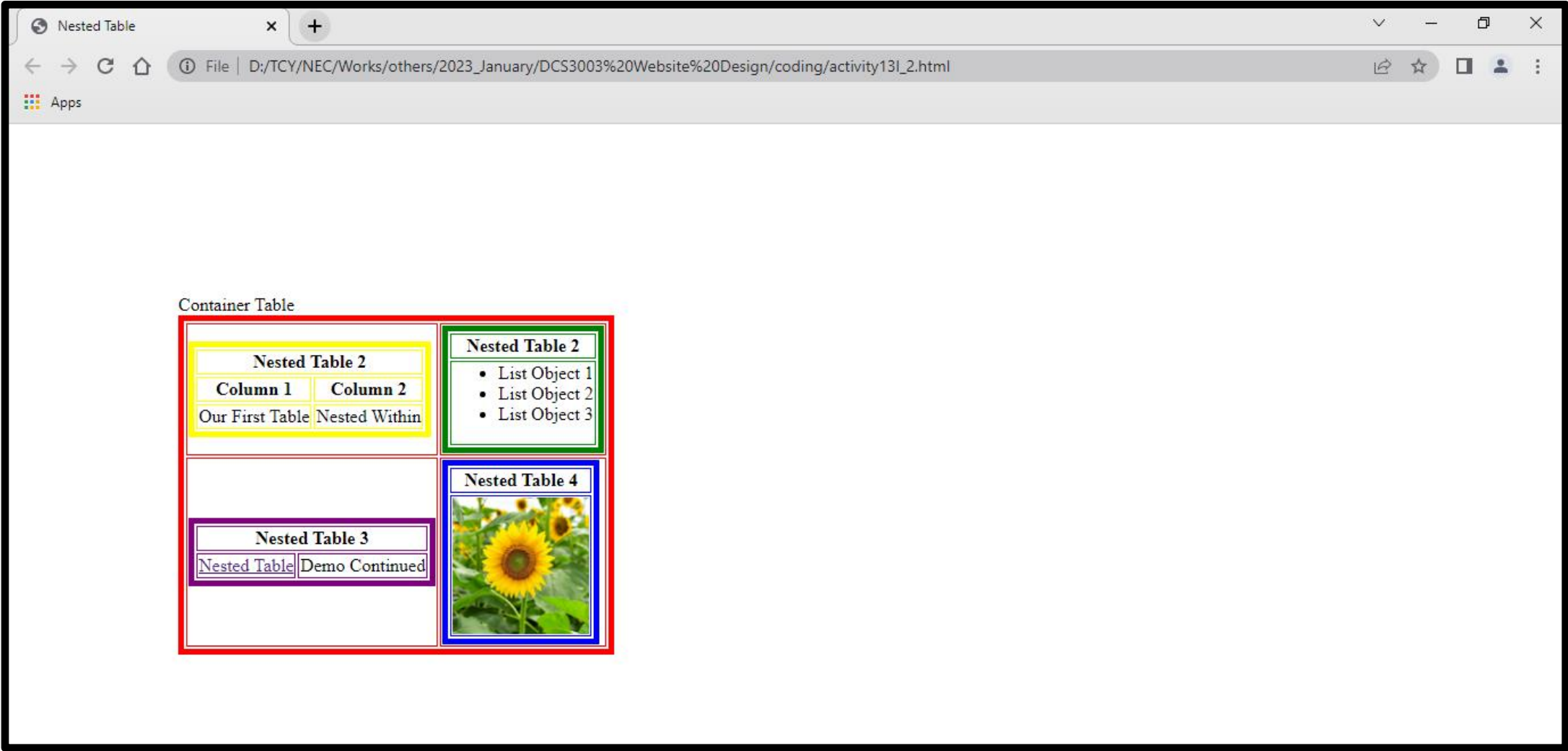


HTML – Nested Table – Example 3 – activity131_2.html

```
activity131_2 - Notepad
File Edit Format View Help
<html><head><title>Nested Table</title></head>
<body topmargin=150 leftmargin=150>
<caption title=Container Table>
Container Table </caption>
<table border=5px bordercolor = red>
<tr><td>
<table border=5px bordercolor = yellow>
<tr><th colspan=2> Nested Table 2 </th></tr>
<tr><th> Column 1 </th><th> Column 2 </th></tr>
<tr><td> Our First Table </td>
<td> Nested Within </td></tr>
</table>
</td>
<td>
<table border=5px bordercolor = green>
<tr><th> Nested Table 2 </th></tr>
<tr><td>
<ul>
<li> List Object 1 </li>
<li> List Object 2 </li>
<li> List Object 3 </li>
</ul>
```

```
activity131_2 - Notepad
File Edit Format View Help
</td></tr></table>
</td></tr>
<tr>
<td>
<table border=5px bordercolor = purple>
<tr><th colspan=2 align=center>
Nested Table 3 </th></tr>
<tr>
<td><a href="activity7.html" target="_blank">
Nested Table </a></td>
<td> Demo Continued </td></tr>
</table></td>
<td>
<table border=5px bordercolor = blue>
<tr><th> Nested Table 4 </th></tr>
<tr>
<td><img src=sunflower.jpg
height=120px width=120px alt=Sunflower>
</td></tr></table>
</td>
</tr>
</table></body></html>
```

HTML – Nested Table – Example 3 – activity131_2.html



HTML – Activity Lesson 8

CRESCENDO INTERNATIONAL COLLEGE
TIMETABLE FOR SEMESTER JANUARY 2023
DIPLOMA IN COMPUTER SCIENCE

Day/Time	9:00 - 11:00 AM	11:15 - 1:15 PM	2:15 - 4:15 PM
Monday	DCS 4103	DCS 4103	DCS 4103
Tuesday	DCS 3003	MST 1003	MST 1003
Wednesday			
Thursday	DCS 3003	MST 1003	
Friday			DCS 3003