

DCS 3003

WEBSITE DESIGN



HTML

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Recap

## HTML – Activity Lesson 3

Students Activities

File | D:/TCY/NEC/Works/others/2023\_January/DCS3003%20Website%20Design/Exercise/Activity%20Lesson%203/activitylesson3\_main.html

Apps

	<a href="#">Xue Lun</a>	<a href="#">Wei Feng</a>	<a href="#">Austin</a>	<a href="#">Andy</a>	<a href="#">Yu Xuan</a>	<a href="#">Jun Xu</a>	<a href="#">Xiu Min</a>	<a href="#">Qian Yu</a>	<a href="#">Shuen Ning</a>	<a href="#">Elina</a>	<a href="#">Justin</a>	<a href="#">Rachel</a>	<a href="#">Arvilashini</a>
	<a href="#">Wen Xuan</a>	<a href="#">Nafiza</a>	<a href="#">Beng Hao</a>	<a href="#">Jac Sheng</a>	<a href="#">Chang Zen</a>	<a href="#">Umar</a>	<a href="#">Jia Wei</a>	<a href="#">Yun Hoe</a>	<a href="#">Wilson</a>	<a href="#">Jia Ming</a>	<a href="#">Vanness</a>	<a href="#">Jun Yang</a>	<a href="#">Eeson</a>

### Activity Lesson 3

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### Short Story : A Good Meal

The children were *Aungry* .They looked out the window. Where was their mother? She walked into the house. The children ran over to her. "Mama, we're so *Aungry* ,"they both said.

She said lunch was coming. She walked into the kitchen. She opened a can of chicken soup. She poured the soup into a pot. She added water. She put the pot on the stove. She made two peanut butter and jelly sandwiches. She sliced an apple. The soup was *Aot*.

She poured it into two bowls. She put the sandwiches on two plates. She put apple slices on each plate. She put the bowls and plates on the table. The children ran to the table. "Thank you, mommy!" they said. Then they started eating. The cat and the dog watched them eat.

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**OTHER STORIES:** [101 English short stories for English learners from beginner to advanced level](#)



HTML

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Font Tag

# HTML – Activity 6

1) Type the html code into Notepad

```
File Edit Format View Help
<html>
<head><title> Fonts</title></head>
<body>
<br><font color="violet" size="1" face="Arial"> Welcome to My Website</font>
<br><font color="tomato" size="2" face="Comic Sans MS"> Welcome to My Website</font>
<br><font color="dodgerblue" size="3" face="Lucida Sans Unicode"> Welcome to My Website</font>
<br><font color="yellow" size="4" face="Courier New"> Welcome to My Website</font>
<br><font color="grey" size="5" face="Times New Roman"> Welcome to My Website</font>
<br><font color="(128,0,0)" size="6" face="Arial Black"> Welcome to My Website</font>
<br><font color="#A52A2A" size="20" face="Impact"> Welcome to My Website</font>
</body>
</html>
```



# HTML

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## Color & Alignment

# HTML – Font Color

## 1) Font color – activity 6



Welcome to My Website  
Welcome to My Website  
Welcome to My Website  
Welcome to My Website  
Welcome to My Website  
**Welcome to My Website**  
**Welcome to My Website**

-> `<font color="violet">` (in Color Name)

-> `<font color="(128,0,0)">` (in Decimal Code or RGB)

-> `><font color="#A52A2A">` (in Hex Code)

[https://www.rapidtables.com/web/color/RGB\\_Color.html](https://www.rapidtables.com/web/color/RGB_Color.html)

# HTML – Alignment

## 1) **leftmargin, topmargin** `<leftmargin=100px topmargin=90px>`

-> To specify the amount of space to be left blank from the top and left margins of the web page. Its value is specified in pixels (px).

## 2) **Left alignment** `<align="left">`

-> To adjust the alignment of the text from left.

## 3) **Right alignment** `<align="right">`

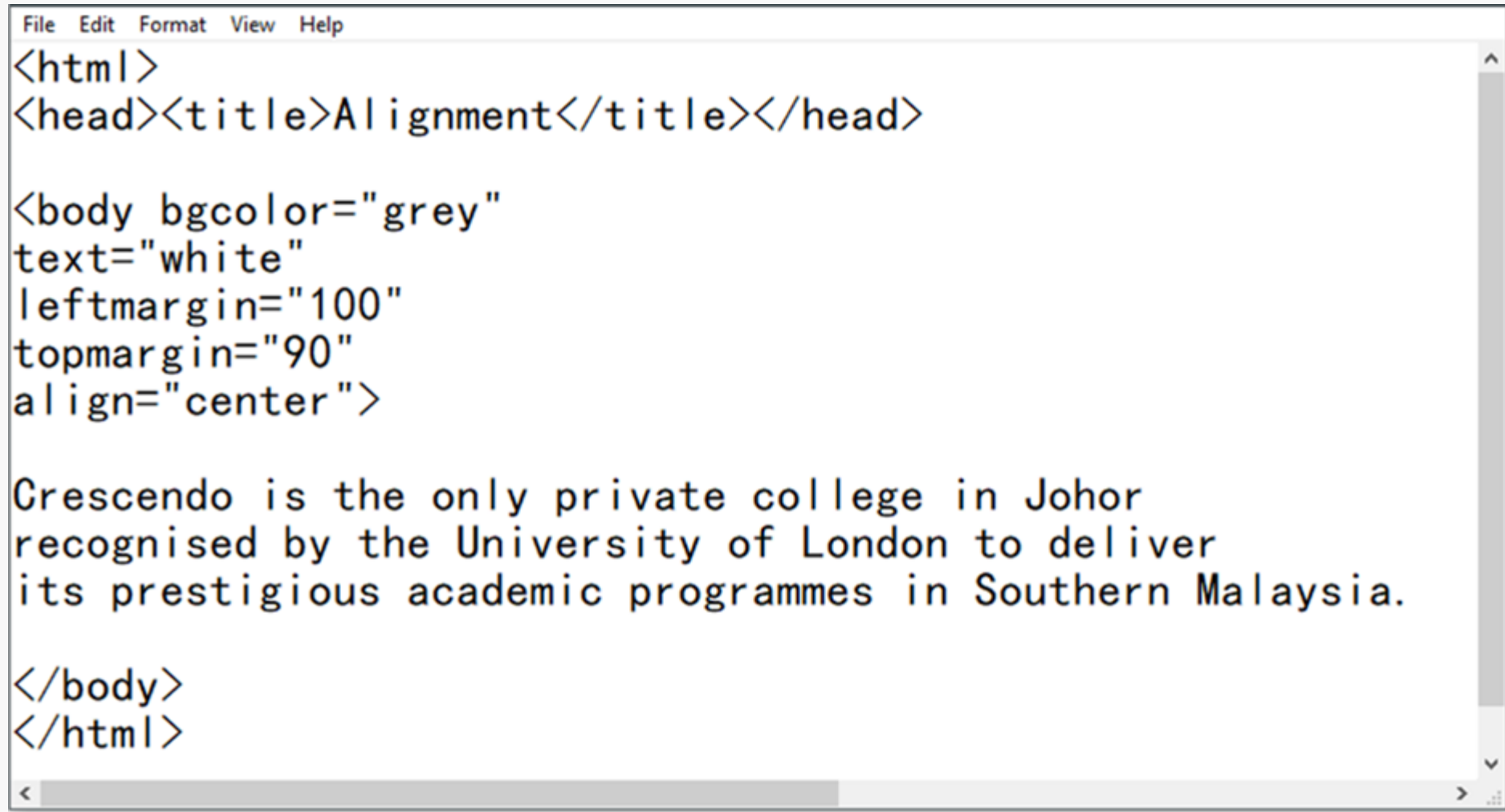
-> To adjust the alignment of the text from right.

## 4) **Center alignment** `<align="center">`

-> To adjust the alignment of the text from center.



# HTML – Activity 7b

A screenshot of a web browser window. The title bar shows 'File Edit Format View Help'. The address bar is empty. The main content area displays the following HTML code: 

```
<html>
<head><title>Alignment</title></head>

<body bgcolor="grey"
text="white"
leftmargin="100"
topmargin="90"
align="center">

Crescendo is the only private college in Johor
recognised by the University of London to deliver
its prestigious academic programmes in Southern Malaysia.

</body>
</html>
```

 The rendered output shows the text 'Crescendo is the only private college in Johor recognised by the University of London to deliver its prestigious academic programmes in Southern Malaysia.' centered on a grey background. The browser window has a scrollbar on the right and a status bar at the bottom.

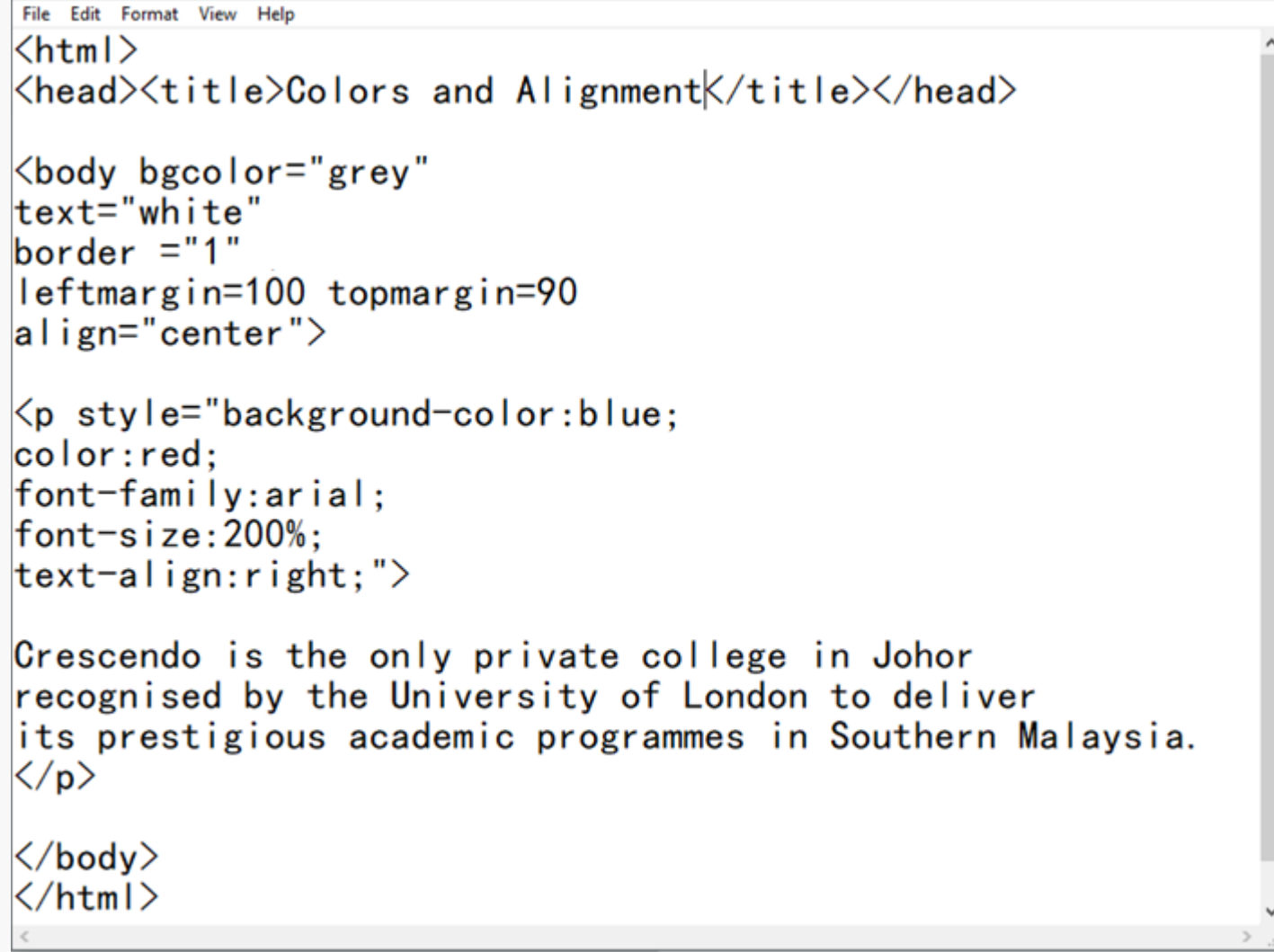
## HTML – **Activity 7c \*\*\***

```
<body bgcolor="grey" text="white" align="center">
```

```
<p style="background-color:blue;  
color:red;  
font-family:arial;  
font-size:200%;  
text-align:right;">
```



# HTML – Activity 7c

A screenshot of a web browser window. The address bar is empty. The page content is rendered from the HTML code shown in the background. The background shows the raw HTML code in a monospaced font. The rendered page has a grey background, white text, and a blue border. The text is centered and reads: "Crescendo is the only private college in Johor recognised by the University of London to deliver its prestigious academic programmes in Southern Malaysia." The browser window has a menu bar with "File", "Edit", "Format", "View", and "Help". The status bar at the bottom shows a scroll bar and a zoom level of 100%.

```
File Edit Format View Help
<html>
<head><title>Colors and Alignment</title></head>

<body bgcolor="grey"
text="white"
border ="1"
leftmargin=100 topmargin=90
align="center">

<p style="background-color:blue;
color:red;
font-family:arial;
font-size:200%;
text-align:right;">

Crescendo is the only private college in Johor
recognised by the University of London to deliver
its prestigious academic programmes in Southern Malaysia.
</p>

</body>
</html>
```

# HTML – **Activity 7c**

Crescendo is the only private college in Johor recognised by the University of London to deliver its prestigious academic programmes in Southern Malaysia.



# HTML

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## **Others Formatting Tags**

# HTML – Others Formatting Tags

Element	Description
<b>	Defined bold text
<big>	Defined big text
<em>	Defined emphasized text
<i>	Defined italic text
<small>	Defined small text
<strong>	Defined strong text (typically displayed in bold)
<sub>	Defined subscripted text
<sup>	Defined superscripted text
<ins>	Defined inserted text
<del>	Defined deleted text
<tt>	Defined teletype text
<u>	Defined underline text
<strike>	Defined strike text



## HTML – Activity 8

```
<html>
<head>
<title>Formatting Tags</title>
</head>
<body>
<b>This text is Bold</b>
<br>
<em>This text is Emphasized</em>
<br><i>This text is Italic</i>
<br><small>This text is Small</small>
<br>This is<sub> Subscript</sub> and
```

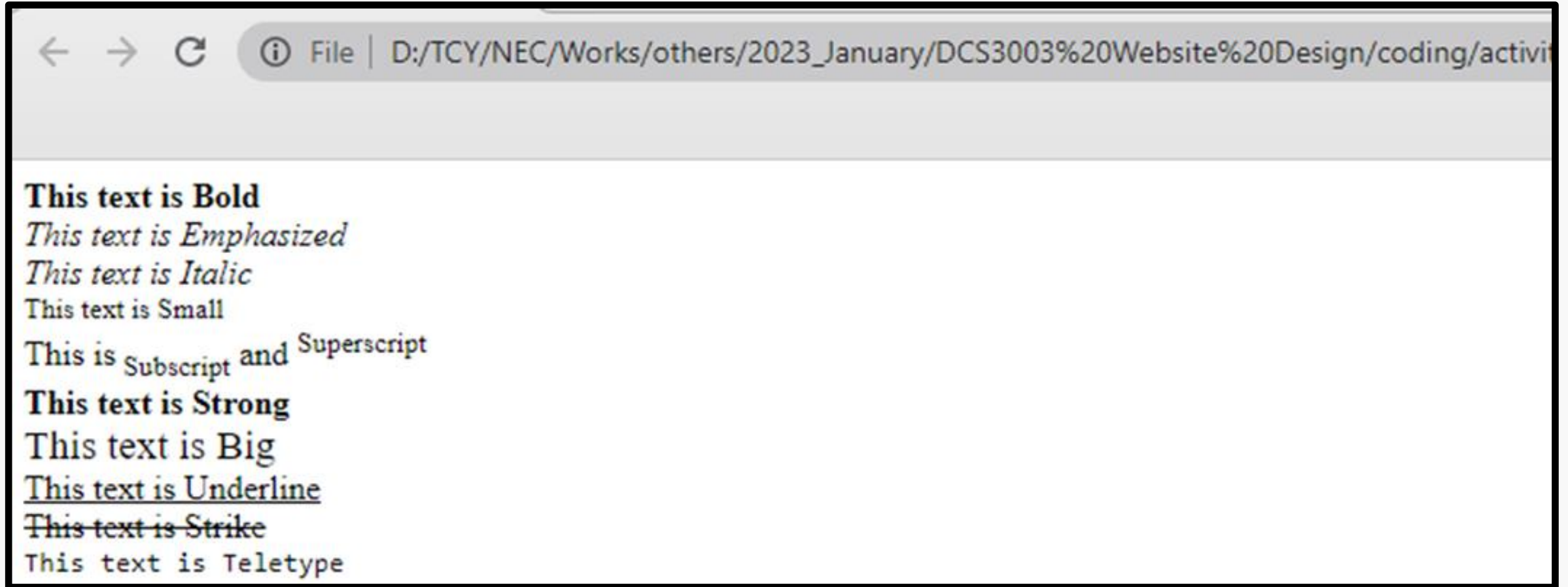
```
<sup>Superscript</sup>
<br>
<strong>This text is
Strong</strong>
<br><big>This text is Big</big>
<br><u>This text is Underline</u>
<br>
<strike>This text is Strike</strike>
<br><tt>This text is Teletype</tt>
</body>
</html>
```

# HTML – Activity 8

```
File Edit Format View Help
<html>
<head><title>Formatting Tags</title></head>
<body>
<b>This text is Bold</b>
<br><em>This text is Emphasized</em>
<br><i>This text is Italic</i>
<br><small>This text is Small</small>
<br>This is<sub> Subscript</sub> and <sup>Superscript</sup>
<br><strong>This text is Strong</strong>
<br><big>This text is Big</big>
<br><u>This text is Underline</u>
<br><strike>This text is Strike</strike>
<br><tt>This text is Teletype</tt>
</body>
</html>
```



# HTML – Activity 6



HTML

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Quotation

# HTML – Quotation

Element	Description
<abbr>	Defines an abbreviation or acronym
<address>	Defines contact information for the author/owner of a document
<bdo>	Defines the text direction
<blockquote>	Defines a section that is quoted from another source
<cite>	Defines the title of a work
<q>	Defines a short inline quotation



## HTML – **Activity 9**

```
<html>
```

```
<head><title>Quotation</title></head>
```

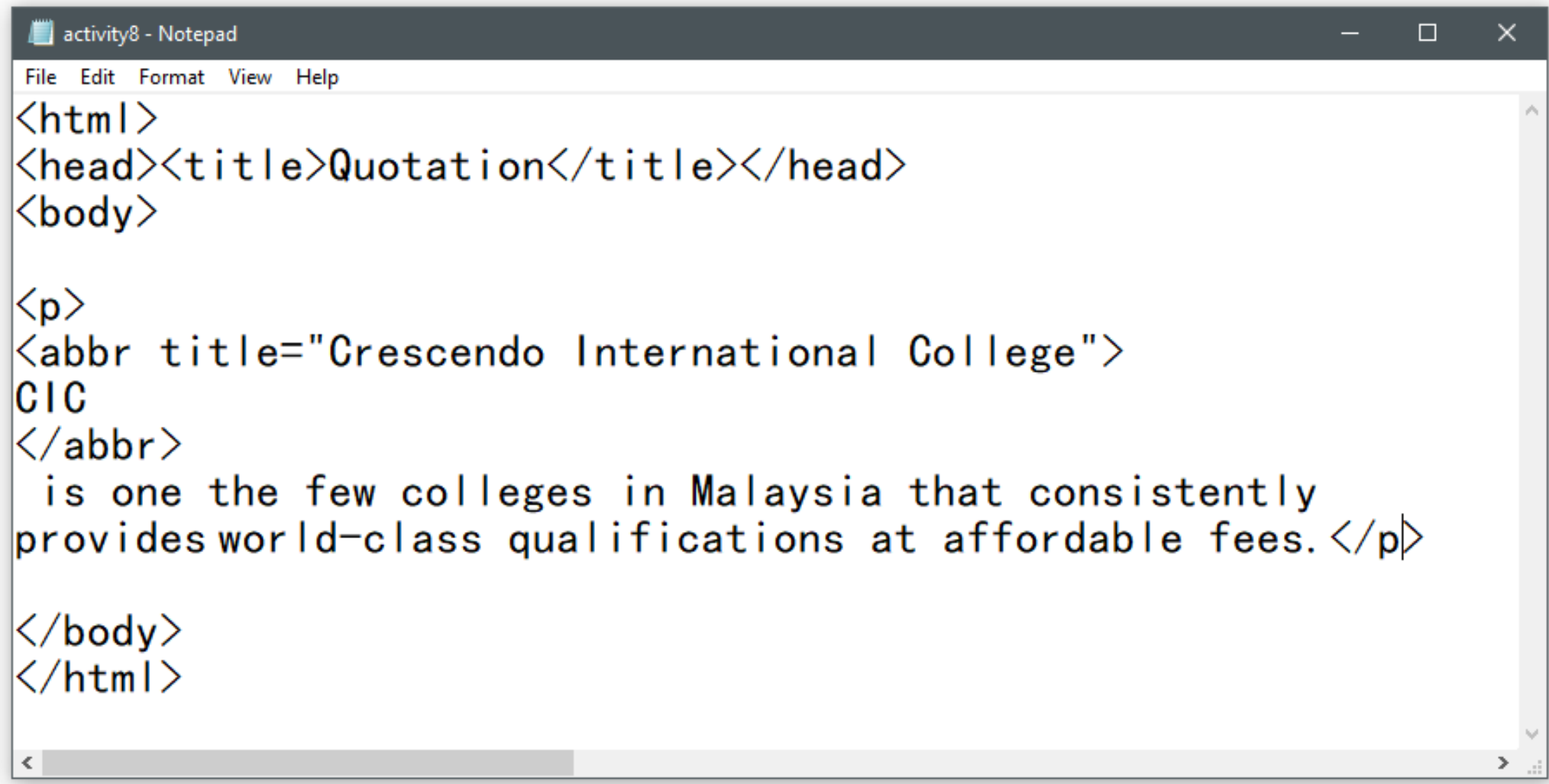
```
<body>
```

```
<p><abbr title="Crescendo International College">CIC</abbr> is one  
the few colleges in Malaysia that consistently provides world-class  
qualifications at affordable fees.</p>
```

```
</body>
```

```
</html>
```

# HTML – Activity 9

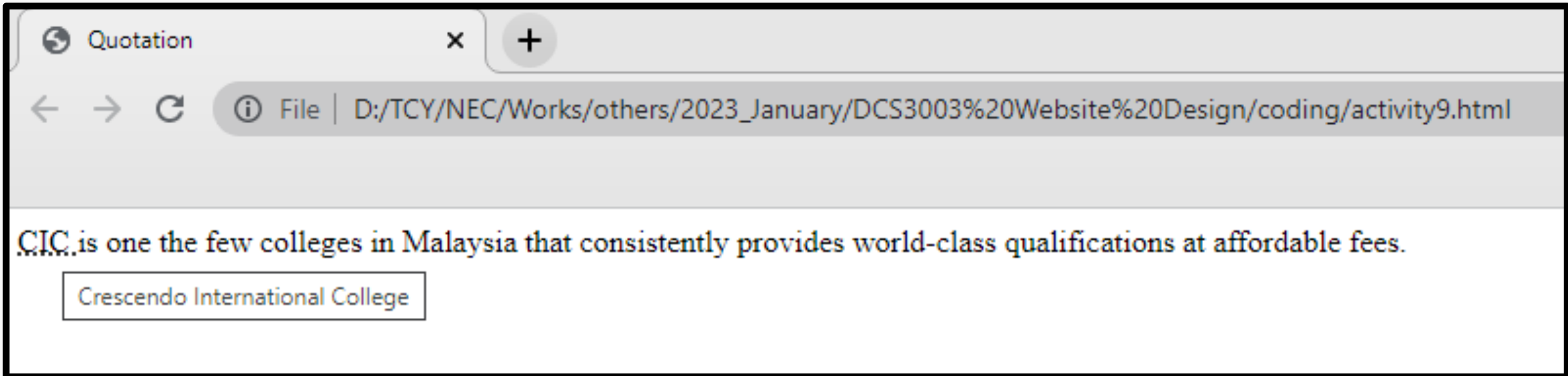


```
activity8 - Notepad
File Edit Format View Help
<html>
<head><title>Quotation</title></head>
<body>

<p>
<abbr title="Crescendo International College">
CIC
</abbr>
  is one the few colleges in Malaysia that consistently
provides world-class qualifications at affordable fees.</p>

</body>
</html>
```

# HTML – Activity 9





## HTML – Activity Lesson 3

Students Activities

File | D:\TCY\NEC\Works\others\2023\_January\DCS3003%20Website%20Design\Exercise\Activity%20Lesson%203\activitylesson3\_main.html

Apps

HOME

Xue Lun	Wei Feng	Austin	Andy	Yu Xuan	Jun Xu	Xiu Min	Qian Yu	Shuen Ning	Elina	Justin	Rachel	Arvilashini
Wen Xuan	Nafiza	Beng Hao	Jac Sheng	Chang Zen	Umar	Jia Wei	Xun Hoe	Wilson	Jia Ming	Vanness	Jun Yang	Eeson

Umar

### Activity Lesson 3

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### Short Story : A Good Meal

The children were **hungry** .They looked out the window. Where was their mother? She walked into the house. The children ran over to her. "Mama, we're so **hungry** ,"they both said.

She said lunch was coming. She walked into the kitchen. She opened a can of chicken soup. She poured the soup into a pot. She added water. She put the pot on the stove. She made two peanut butter and jelly sandwiches. She sliced an apple. The soup was **hot**.

She poured it into two bowls. She put the sandwiches on two plates. She put apple slices on each plate. She put the bowls and plates on the table. The children ran to the table. "Thank you, mommy!" they said. Then they started eating. The cat and the dog watched them eat.

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**OTHER STORIES:** [101 English short stories for English learners from beginner to advanced level](https://umarabdulaziz1.github.io/Activitylesson3.html)

<https://umarabdulaziz1.github.io/Activitylesson3.html>

# HTML

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## Lists Tags

# HTML – Lists Tags

- 1) Lists provide methods to show item or element sequences in document content.
- 2) There are three main types of lists:->
  - **Ordered List or Numbered List (ol)** :-unordered lists are bulleted.
  - **Unordered List or Bulleted List (ul)**:- Ordered lists are numbered.
  - **Description List or Definition List (dl)**:- Used to create a definition list
  - **Nested lists**:- A list inside another list.



# HTML – **Lists Tags**

<li>	Used for representing the list items
<ol>	Ordered list
<ul>	Unordered list
<dl>	Defined a definition list
<dt>	Defined a term(an item) in a definition list
<dd>	Defines a description of a term in a definition list

# HTML – Unordered lists

- 1) Unordered lists appear as a list of items with bullets in front of each list item.
- 2) An Unordered list is contained within the <UL> and </UL> tags.
- 3) Each item in the list is marked using the <LI>(List Item) tag.
- 4) The important attributes of <UL> tag is:

Attribute	Description
Type	<p>To specify the type of bullet to be placed in front of each item in the list. The values that are given to this attribute are:</p> <ul style="list-style-type: none"><li>● Disc</li><li>■ Square</li><li>○ Circle</li></ul>

# HTML – **Activity 10a**

```
<html>
```

```
<head><title>Unordered lists</title></head>
```

```
<body>
```

```
<UL type="square">
```

```
<LI> Vegetables
```

```
<LI> Fruits
```

```
<LI> Salads
```

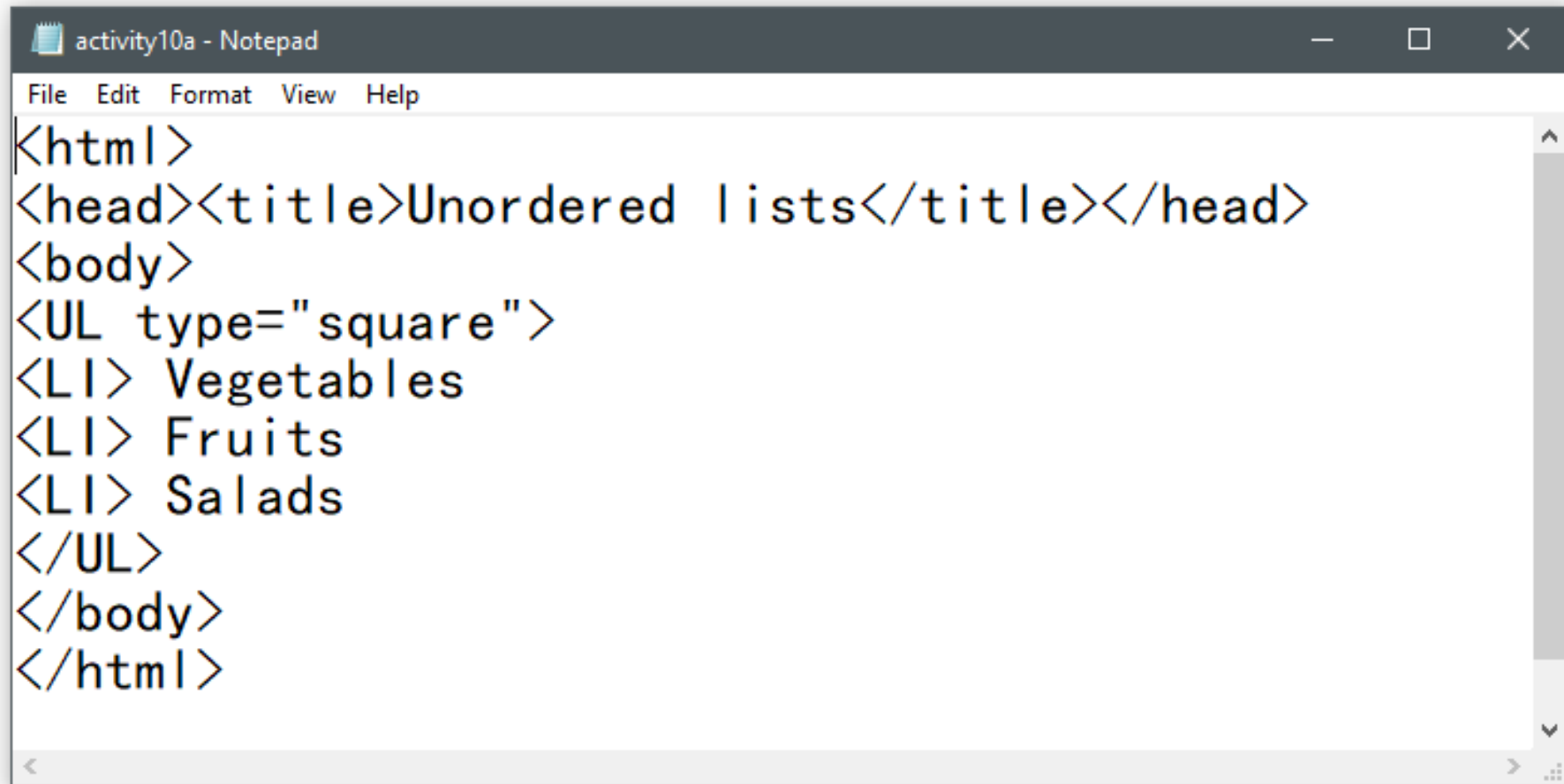
```
</UL>
```

```
</body>
```

```
</html>
```

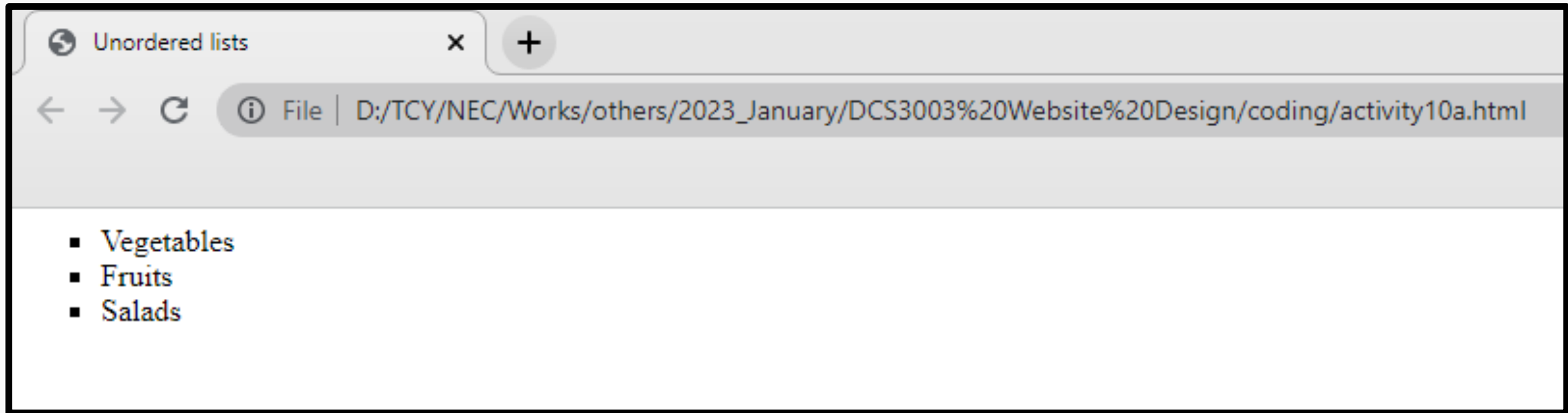


# HTML – Activity 10a



```
<html>
<head><title>Unordered lists</title></head>
<body>
<UL type="square">
<LI> Vegetables
<LI> Fruits
<LI> Salads
</UL>
</body>
</html>
```

# HTML – Activity 10a



## HTML – Ordered Lists

- 1) Ordered lists are numbered list of items.
- 2) By default, the browser numbers each successive list item starting with “1”.
- 3) An Ordered list is contained within the `<OL>` and `</OL>` tags.
- 4) Each item in the list is marked using the `<LI>` (List Item) tag.



# HTML – Ordered Lists

## 5) The important attributes of <OL> tag is:

Attribute	Description
Type	<p>To specify the type of numbering to be used in front of each item in the list. The values that are given to this attribute are: A, a, I, i, and 1(default).</p> <p>&lt;ol type = "1"&gt; - Default-Case Numerals.</p> <p>&lt;ol type = "I"&gt; - Upper-Case Numerals.</p> <p>&lt;ol type = "i"&gt; - Lower-Case Numerals.</p> <p>&lt;ol type = "A"&gt; - Upper-Case Letters.</p> <p>&lt;ol type = "a"&gt; - Lower-Case Letters.</p>
Start	<p>To specify a number to start the numbering from a different letter or a number.</p>

# HTML – **Activity 10b**

```
<html>
```

```
<head><title>Ordered lists</title></head>
```

```
<body>
```

```
<OL type="A">
```

```
<LI> Vegetables
```

```
<LI> Fruits
```

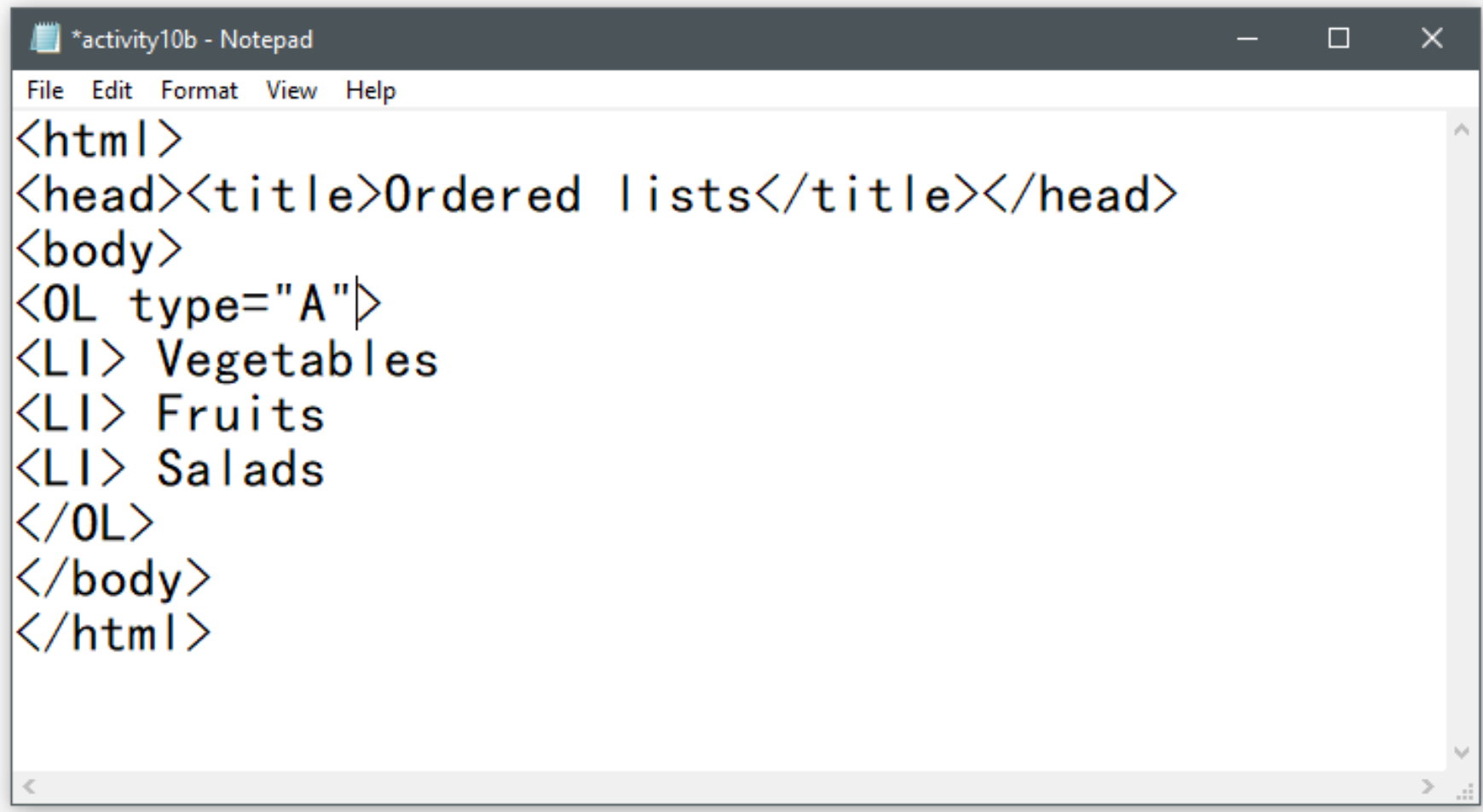
```
<LI> Salads
```

```
</OL>
```

```
</body>
```

```
</html>
```

# HTML – Activity 10b

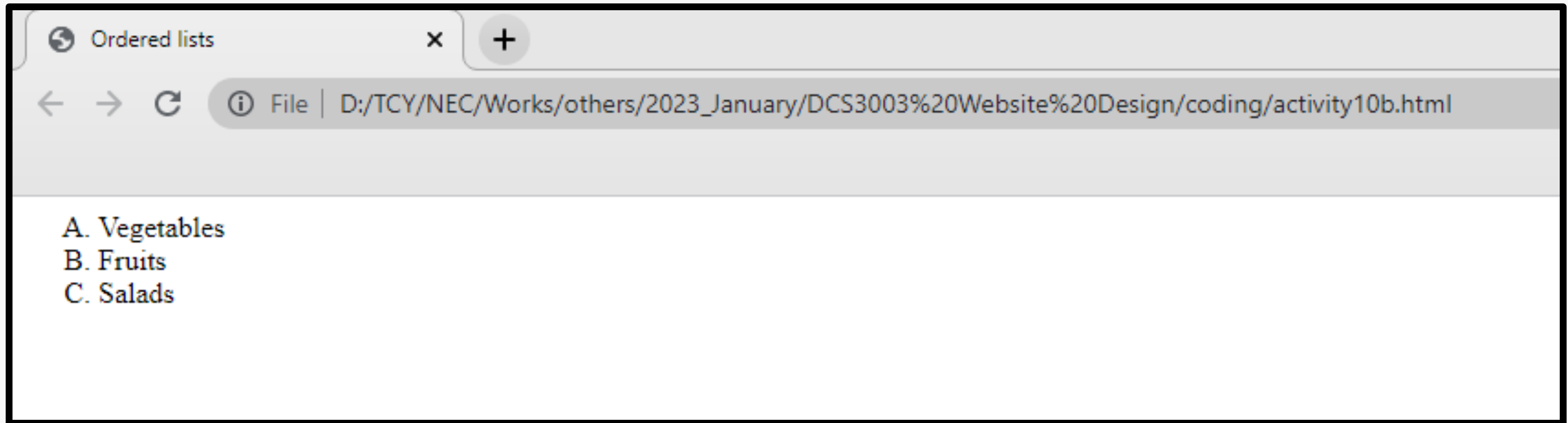
A screenshot of a Notepad window titled '\*activity10b - Notepad'. The window has a menu bar with 'File', 'Edit', 'Format', 'View', and 'Help'. The text area contains the following HTML code:

```
<html>
<head><title>Ordered lists</title></head>
<body>
<OL type="A">
<LI> Vegetables
<LI> Fruits
<LI> Salads
</OL>
</body>
</html>
```

The code is displayed in a monospaced font. The window includes standard Windows window controls (minimize, maximize, close) in the top right corner and a scrollbar on the right side.



# HTML – Activity 10b



# HTML – Ordered Lists

1) The start attribute of the <OL> tag

-> the numbering would start from a different letter or number:

```
<OL type="A" start="3">
```

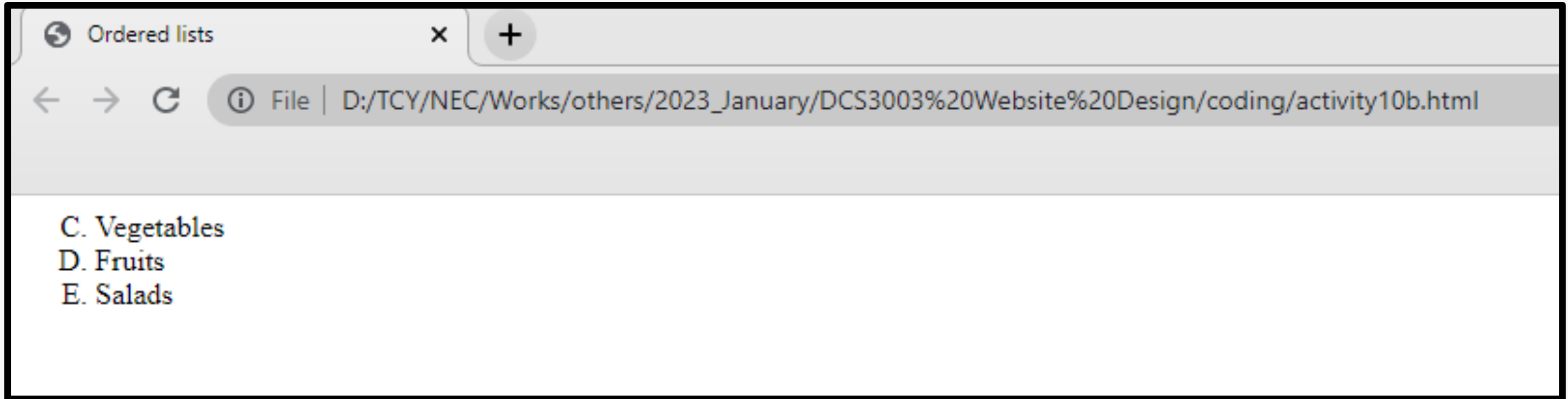
```
<LI> Vegetables
```

```
<LI> Fruits
```

```
<LI> Salads
```

```
</UL>
```

# HTML – Activity 10b





# HTML – Ordered Lists

- 1) The table given below outlines the output when use the following values for the type and start attributes of the <OL> tag:

Type and Start Values	Output
<OL type=A start=1>	A. Vegetables B. Fruits C. Salads
<OL type=a start=1>	a. Vegetables b. Fruits c. Salads
<OL type=I start=2>	II. Vegetables III. Fruits IV. Salads

Type and Start Values	Output
<OL type=i start=3>	iii. Vegetables iv. Fruits v. Salads
<OL type=1> OR <OL> (default)	1. Vegetables 2. Fruits 3. Salads

# HTML – Nested Lists

- 1) Ordered and unordered lists can be nested within each other to form multilevel lists.

```
<OL type=A>  
<LI> Vegetables  
  <OL type=a>  
    <LI> Spinach  
    <LI> Broccoli  
  </OL>  
<LI> Fruits  
  <UL type=circle>  
    <LI> Apples  
    <LI> Oranges  
  </UL>  
  <LI> Salads  
    <UL type=square>  
      <LI> Vegetables Salad  
      <LI> Fruits Salad  
    </UL>  
</OL>
```

## HTML – Activity 10c

```
<html>
<head>
<title>Nested lists</title>
</head>
<body>
<OL type=A>
  <LI> Vegetables
    <OL type=a>
      <LI> Spinach
      <LI> Broccoli
    </OL>
```

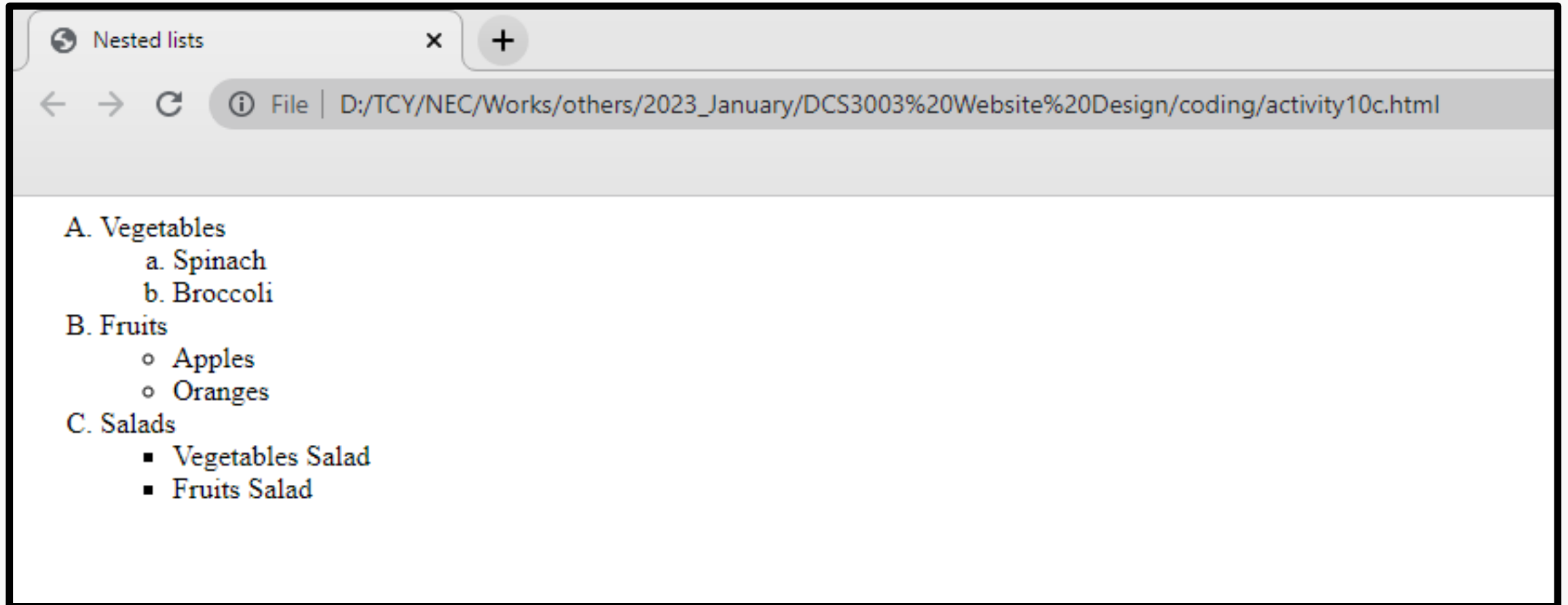
```
  <LI> Fruits
    <UL type=circle>
      <LI> Apples
      <LI> Oranges
    </UL>
  <LI> Salads
    <UL type=square>
      <LI> Vegetables Salad
      <LI> Fruits Salad
    </UL>
</OL> </body></html>
```



# HTML – Activity 10c

```
*activity10c - Notepad
File Edit Format View Help
<html>
<head><title>Nested lists</title></head>
<body>
<OL type=A>
  <LI> Vegetables
    <OL type=a>
      <LI> Spinach
      <LI> Broccoli
    </OL>
  <LI> Fruits
    <UL type=circle>
      <LI> Apples
      <LI> Oranges
    </UL>
  <LI> Salads
    <UL type=square>
      <LI> Vegetables Salad
      <LI> Fruits Salad
    </UL>
</OL>
</body>
</html>
```

# HTML – Activity 10c



## HTML – Definition Lists

- 1) Use the HTML <dl> element to define a description list
- 2) Use the HTML <dt> element to define the description term
- 3) Use the HTML <dd> element to describe the term in a description list

<dl>

<dt>Vegetables:</dt>

<dd>-> Spinach</dd>

<dt>Fruits</dt>

<dd>-> Apples</dd>

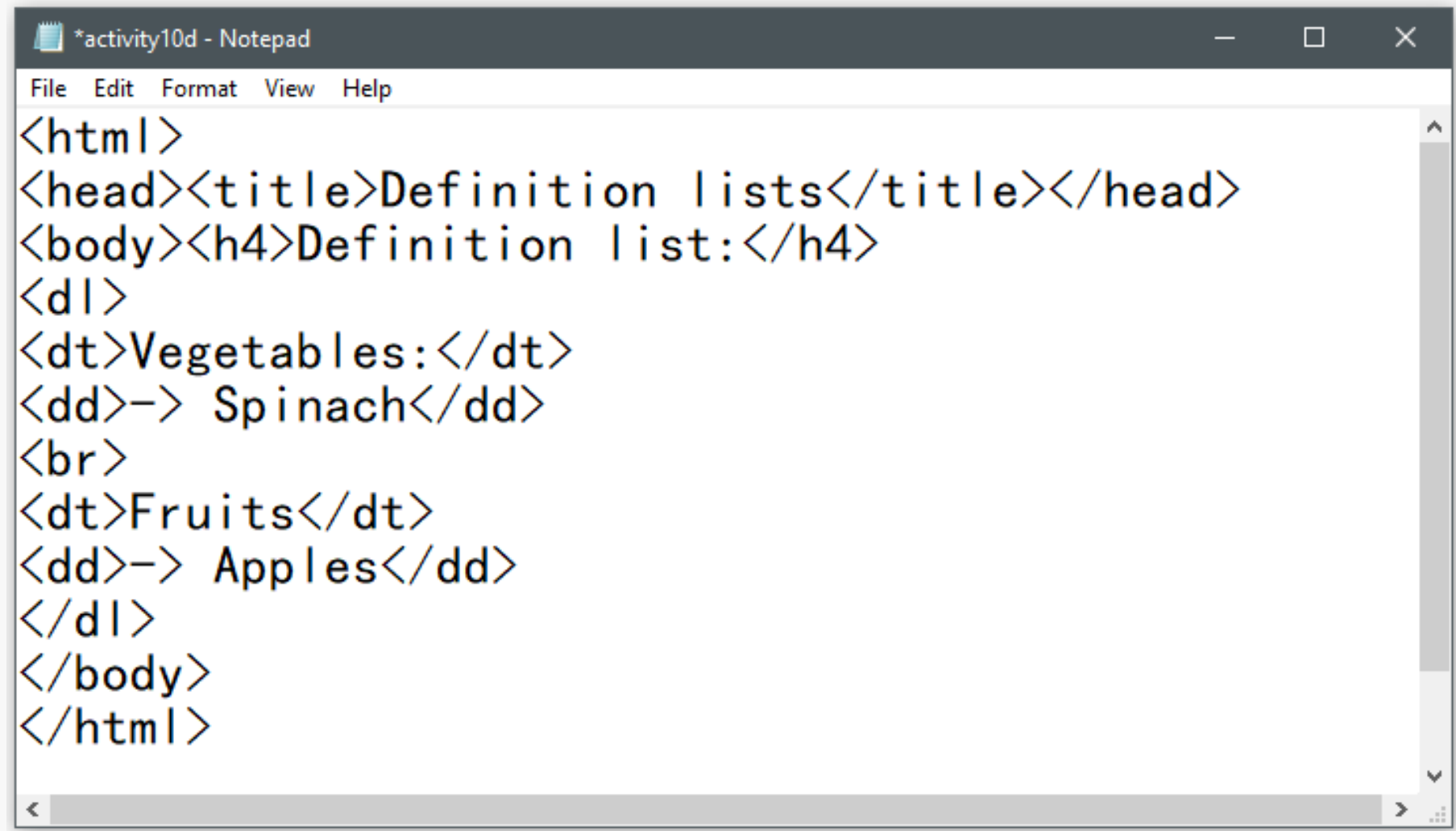
</dl>



## HTML – Activity 10d

```
<html><head><title>Definition lists</title></head>
<body><h4>Definition list:</h4>
<dl>
<dt>Vegetables:</dt>
<dd>-> Spinach</dd>
<br>
<dt>Fruits</dt>
<dd>-> Apples</dd>
</dl>
</body></html>
```

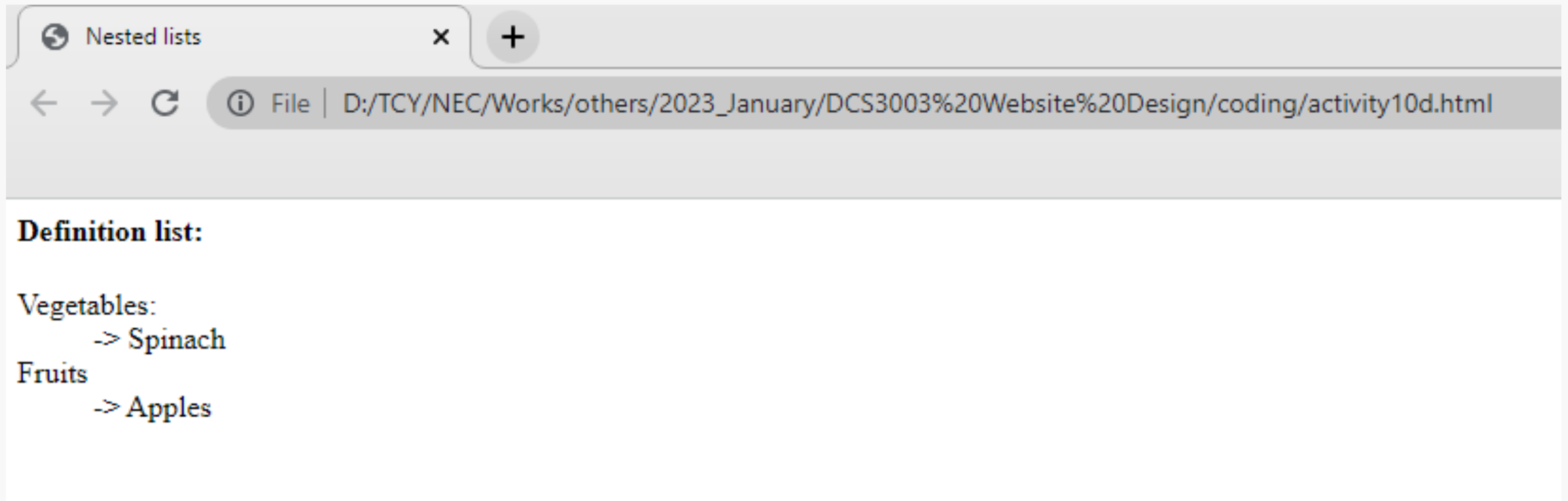
# HTML – Activity 10d

A screenshot of a Notepad window titled '\*activity10d - Notepad'. The window has a menu bar with 'File', 'Edit', 'Format', 'View', and 'Help'. The text area contains the following HTML code:

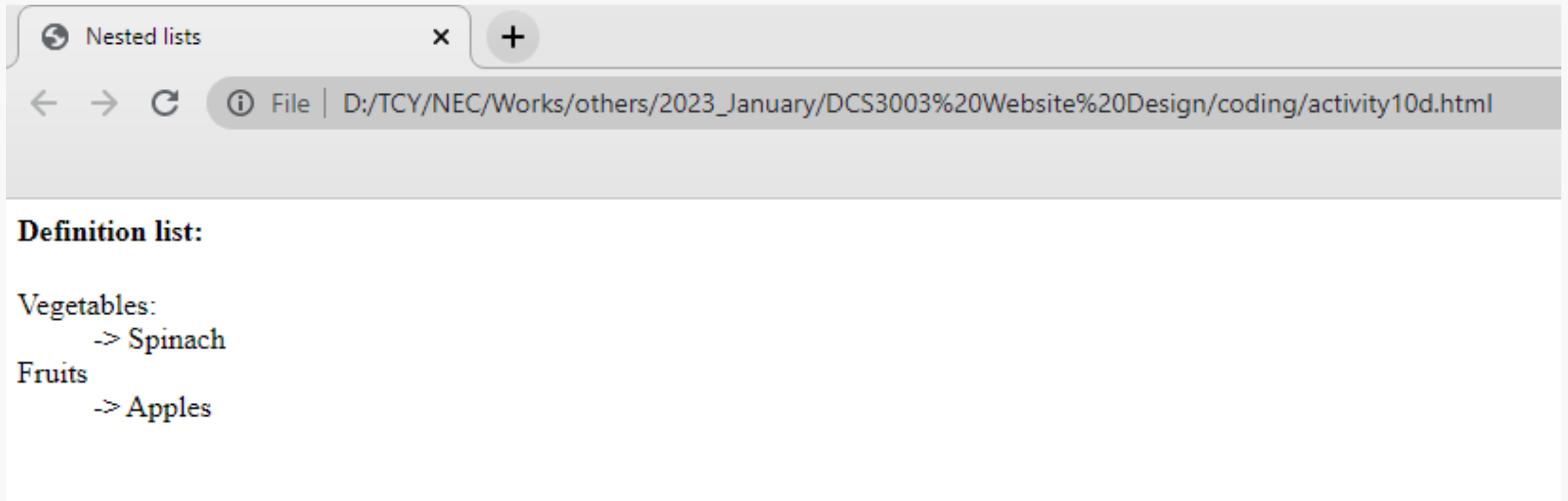
```
<html>
<head><title>Definition lists</title></head>
<body><h4>Definition list:</h4>
<dl>
<dt>Vegetables:</dt>
<dd>-> Spinach</dd>
<br>
<dt>Fruits</dt>
<dd>-> Apples</dd>
</dl>
</body>
</html>
```

The code defines an HTML document with a title 'Definition lists' and a body containing a heading 'Definition list:' followed by a definition list. The list has two items: 'Vegetables:' with the definition '-> Spinach', and 'Fruits' with the definition '-> Apples'. The window includes standard window controls (minimize, maximize, close) and a scrollbar on the right side.

# HTML – Activity 10d



# HTML – Activity 10d





HTML

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# Activity Lesson 5

# HTML –

## Activity

## Lesson 5a

### *Simple Sponge Cake*

#### *Ingredients*

- 3 eggs
- 100g castor sugar
- 85g self-raising flour

#### *Notes on Ingredients*

##### Castor Sugar

Finely granulated white sugar.

##### Self-raising flour

A pre-mixed combination of flour and leavening agents (usually salt and baking powder)

#### *Method*

1. Preheat the oven to 190oC.
2. Grease a 20cm round cake pan.
3. In a medium bowl, whip together the eggs and castor sugar until fluffy.
4. Fold in flour.
5. Pour mixture into the prepared pan.
6. Bake 20 minutes in the preheated oven until the top of the cake springs back when lightly pressed.
7. Cool in the pan over a wire rack.

# HTML –

## Activity

## Lesson 5b

# Learning Web Development

## I. Background Skills

- A. Unix Commands
- B. Vim Text Editor

## II. HTML

- A. Minimal Page
- B. Headings
- C. Tags
- D. Lists
  - i. Unordered
  - ii. Ordered
  - iii. Definition
  - iv. Nested
- E. Links
  - i. Absolute
  - ii. Relative
- F. Images

## III. CSS

- A. Anatomy
- B. Basic Selectors
  - i. Element
  - ii. Class
  - iii. ID
  - iv. Group
- C. The DOM
- D. Advanced Selectors
- E. Box Model

## IV. Programming

- A. JavaScript
- B. xml