SCS1311 Internet and Web Technologies

Practical Sheet 03

Task 1: Create the following lists using HTML tags.

(a) An unordered list showing your favourite web browsers.
   Example:

   - Google Chrome
   - Mozilla Firefox
   - Microsoft Edge
   - Safari

(b) An ordered list showing steps to create a basic HTML page.
   Example:

   (a) Open a text editor
   (b) Write HTML code
   (c) Save the file with `.html` extension
   (d) Open the file in a web browser

(c) A nested list showing a degree programme structure.
   Example:

   - Year 1
     - Semester 1
     - Semester 2
   - Year 2
     - Semester 1
     - Semester 2

Task 2: Create the following HTML table structures.
Recreate the table layouts shown in Figure 1 using HTML. You must use appropriate combinations of `rowspan` and `colspan` to match each structure exactly.

(a)

1	2	3	4
5	6		7
			8
9	a	b	c

(b)

1		2	
a	v		
g		b	4
		c	

(c)

1	2	3	
4	5		6
	7	8	9
a	b	c	d

(d)

1	2	3	4
	5		
6		7	8
9	a	b	

Figure 1: HTML table layouts to be implemented

Task 3: Create a webpage demonstrating HTML text formatting and structure.

Create a webpage similar to the following layout:

Heading 1: Introduction to HTML

This is a paragraph describing *HTML* as a **markup language** used to create web pages.

Key features:

- Easy to learn

- Platform independent

Use bold text for important words, italic text for emphasis, and underlined or highlighted text where appropriate.

Task 4: Create a webpage that includes hyperlinks and images.

Design a webpage similar to the following:

- A heading titled *My Favourite Website*

- A paragraph containing a clickable link to `https://www.w3schools.com`

- The link should open in a new browser tab

- An image displayed below the paragraph

- The image should include alternate text and adjusted size

Task 5: Create nested lists and description lists.

(a) Nested list showing a restaurant menu.

Example:

- Beverages
    - Tea
    - Coffee
- Main Course
    - Rice
    - Noodles

(b) Description list showing web technologies.

Example:

HTML Used to structure web pages

CSS Used to style web pages

JavaScript Used to add interactivity

Task 6: Working with Images in HTML.
Create a webpage that demonstrates the correct use of images and image-related HTML attributes. Your webpage must include all of the following:

(a) Insert at least three different images using the `<img>` tag and the `src` attribute.

(b) Provide appropriate alternate text for each image using the `alt` attribute.

(c) Display the same image in two different sizes by modifying the `width` and `height` attributes.

(d) Create a clickable image by placing an `<img>` tag inside an `<a>` tag. The image should link to an external webpage using the `href` attribute.

(e) Use the `<figure>` tag to group at least one image.

(f) Add a meaningful caption to the image using the `<figcaption>` tag.