Chapter One (a)

Fundamentals

Let's Try

- Open Notepad++.
- Create a new file.
- Save it as: L01_YourName_YourId.html.
- Write what's in the following slide inside.
- Save it.
- Double click the file to see the result.

```html
<!DOCTYPE html>
<html lang="en">
        <head>
                <title> My First HTML 01</title>
                <meta charset="UTF-8" />
        </head>
        <body>
                <h1> Your Name </h1>
                <p> Introduce yourself here </p>
                <ul>
                        <li> Achievement #1 </li>
                        <li> Achievement #1 </li>
                        <li> Achievement #1 </li>
                </ul>
        </body>
</html>
```

HTML Basics - Structure

`<!DOCTYPE html>`	This tells the browser what the document type, in this case it is HTML 5.
`<html> </html>`	The root element where all other elements are nested inside.
`<head> </head>`	The header element contains information about the page such as the title, the charset, the viewport.
`<title> </title>`	The title of the page.
`<meta charset="UTF-8" />`	Tells the browser which character set to use. UTF-8 means it contains Arabic character.
`<body> </body>`	Contains what the user see in the page.

HTML Basics - Elements

- Elements / tags are the fundamental building blocks of HTML.
- They are the tags that tell the browser what the enclosed text is.
    - <title>My first HTML page</title>
    - The title element tells the browser that this is the title of the page.
- Elements must be terminated.
    - <p> I love Web </p>
    - (the <p> element is not terminated using </p>).

HTML Basics

- General format of an element: <startTag>Target content</endTag>
  - E.g:
    - <h1>This is a header</h1>
    - <p> This is a paragraph </p>
- HTML is NOT case sensitive. However, using lower case letters is the convention of HTML.
- This means both: <H1></h1> will work. But, <h1></h1> is the preference.
- For more about HTML convention chick this link.

Let's Try

- Remove `<title> </title>` What happens?
- Remove `<meta charset="UTF-8" />,` Open the page in Edge, what happens?
- Remove `<html></html>` what happens?
- Remove `<!DOCTYPE html>` what happens?

LMS

- Get everything you have removed as they used to be.
- Save the file.
- Upload it to LMS.

Resources

- Programming the World Wide Web - Pearson. Chapter 1.
- W3 School.