Tishk International University
Faculty of Applied Science
Information Technology Department

Introduction to HTML

Lecture 1

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Course Code: IT240

Grade 2

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Web Design

✓ Web Design Overview

✓ Website Components

✓ Introduction to HTML

✓ HTML Structure & Basic Tags

- **At the end of today's session, you will be able to:**

  ✓ Define HTML and web design.

  ✓ Explain basic HTML structure.

  ✓ Create a simple HTML page using basic tags.

What is Web Design

- **Web design is the process of creating websites.**

- ➢ **It focuses on:**

  - o Layout

  - o Colors

  - o Fonts

  - o Images

Why is Web Design Important?

- **Every business needs a website.**

- **Websites are used for:**

  - **Education**

  - **E-commerce**

  - **Government services**

  - **Entertainment**

- **Good design increases user engagement and trust.**

Main Components of a Website

1. **HTML –** Structure

2. **CSS –** Styling

3. **JavaScript –** Interactivity

Think of it like a house:

- **HTML** = Structure (walls)

- **CSS** = Design (paint, decoration)

- **JavaScript** = Functionality (electricity, doors)

What is HTML?

- **Stands for HyperText Markup Language**

- **Used to create the structure of web pages**

Uses tags like:

<html>

<head>

<body>

<h1>

<p>

…

The **<!DOCTYPE html>** declaration defines that this document is an HTML document

The **<head>** element is the section of an HTML document that contains meta information about the webpage.

You will usually find a **<title>** element inside the <head> element.

```
<!DOCTYPE html>
<html>
    <head>
        <title>Main Page</title>
    </head>
<body>


</body>
</html>
```

- HTML **headings** are titles or subtitles that you want to display on a webpage.
- HTML headings are defined with the **<h1>** to **<h6>** tags.

```
<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>
```

Heading 1

Heading 2

Heading 3

Heading 4
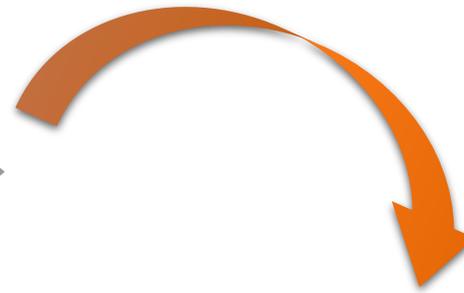
Heading 5

Heading 6

HTML Paragraphs

- The HTML **<p>** element defines a paragraph.

- A paragraph always starts on a new line

```
<p>This is a paragraph.</p>
<p>This is another paragraph.</p>
```

This is a paragraph.

This is another paragraph.

```
<p>
This paragraph
contains a lot of lines
in the source code,
but the browser
ignores it.
</p>

<p>
This paragraph
contains      a lot of spaces
in the source      code,
but the     browser
ignores it.
</p>
```

This paragraph contains a lot of lines in the source code, but the browser ignores it.

This paragraph contains a lot of spaces in the source code, but the browser ignores it.

```
<p>I am studying at <b>TIU</b></p>
```

I am studying at **TIU**

```
<p>I like <i>HTML</i></p>
```

I like *HTML*

<sup> — Superscript

Displays text slightly **above** the normal line of text.

```
<p>E = mc<sup>2</sup></p>
```

$$E = mc^2$$

<sub> — Subscript

Displays text slightly **below** the normal line of text.

```
<p>Water formula: H<sub>2</sub>O</p>
```

Water formula: H_2O

<s> — Strikethrough / Deleted Text

Shows text as crossed out.

```
<p>This price was <s>$50</s>, now it is $40.</p>
```

This price was ~~$50~~, now it is $40.

<mark> — Highlighted Text

Highlights text (like using a highlighter).

```
<p>Please read the <mark>important notice</mark> carefully.</p>
```

Please read the ==important notice== carefully.

<small> — Smaller Text

Displays text in smaller font size than surrounding text.

```
<p>Terms and conditions <small>apply</small>.</p>
```

Terms and conditions apply.

Activities and Next Lecture's Topic

Activities

- **Review this lecture note**

- **Practice**

Next Lecture's Topic

- **HTML Basic Elements and Page Components**

References

- Dean, J. (2019) Web programming: With HTML5, CSS, and JavaScript. Burlington: Jones & Bartlett Learning.

- Duckett, J. (2011) HTML & CSS Design and Build Web Sites. Indianapolis: John Wiley & Sons.

- W3Schools. (n.d.). HTML tutorial. https://www.w3schools.com/html.