Mohammad Ali Jinnah University
ITC
Fall '17
Lab # 03: Introduction to HTML
Instructor: Usama in Ejaz / Miss Kanwal Iqbal

HTML:
Hypertext Markup Language, a standardized system for tagging text files to achieve font, color, graphic, and hyperlink effects on World Wide Web pages.

HTML Tags:
HTML tags are the hidden keywords within a web page that define how the browser must format and display the content.
For example: <html>, <body>, <p>, <title> etc.
Tags Explanation

- The <!DOCTYPE html> declaration defines this document to be HTML5
- The text between <html> and </html> describes an HTML document
- The text between <head> and </head> provides information about the document
- The text between <title> and </title> provides a title for the document
- The text between <body> and </body> describes the visible page content
- The text between <h1> and </h1> describes a heading
- The text between <p> and </p> describes a paragraph

Basics:
The HTML document itself begins with **<html>** and ends with **</html>**.
The visible part of the HTML document is between **<body>** and **</body>**.
<!DOCTYPE html>
<html>
        <body> My HTML document </body>
 </html>

HTML Head:
The <**head**> element is a container for metadata (data about data) and is placed between the <**html**> tag and the <**body**> tag.
Metadata typically define the document title, character set, styles, links, scripts, and other meta information.

Title tag:

<title> tag is used to display the title of a web page in the browser.

```
<!DOCTYPE html>
<html>
        <head> <title>Page Title</title> </head>
        <body> My HTML document </body>
 </html>
```

HTML Headings:

HTML headings are defined with the **<h1>** to **<h6>** tags.

<h1> defines the most important heading. **<h6>** defines the least important heading:

```
<!DOCTYPE html>
<html>
        <body>
                <h1>This is heading 1</h1>
                <h2>This is heading 2</h2>
                <h3>This is heading 3</h3>
        </body>
</html>
```

HTML paragraphs:

HTML paragraphs are defined with the **<p>** tag

```
<!DOCTYPE html>
<html>
        <body>
                <h1>This is heading 1</h1>
                <p>This is a paragraph.</p>
                <h2>This is heading 2</h2>
                <p>This is another paragraph.</p>
                <h2>This is heading 3</h3>
                <p>This is one more paragraph.</p>
        </body>
</html>
```

HTML Links:

HTML links are defined with the **<a>** tag:

The link's destination is specified in the **href attribute**.

```
<!DOCTYPE html>
<html>
        <body>
                <h1>This is heading 1</h1>
                <p>This is a paragraph.</p>
                <h2>This is heading 2</h2>
                <p>This is another paragraph.</p>
                <h2>This is heading 3</h3>
                <p>This is one more paragraph.</p>
```

```
            <a href=" https://www.jinnah.edu">This is a link</a>
        </body>
</html>
```

HTML Line break:

**
** tag is used to break a line and start a new one.

```
<!DOCTYPE html>
<html>
        <body>
                <h1>This is heading 1</h1>
                <p>This is a paragraph.</p>
                <h2>This is heading 2</h2>
                <p>This is another paragraph.</p>
                <h2>This is heading 3</h3>
                <p>This is one more paragraph.</p>
                <a href="https://www.jinnah.edu ">This is <br>a link</a>
        </body>
</html>
```

HTML Images:

HTML images are defined with the **<img>** tag
The image source is specified in the **src attribute**.

```
<!DOCTYPE html>
<html>
        <body>
                <h1>This is heading 1</h1>
                <p>This is a paragraph.</p>
                <h2>This is heading 2</h2>
                <p>This is another paragraph.</p>
                <h2>This is heading 3</h3>
                <p>This is one more paragraph.</p>
                <a href="https://www.jinnah.edu ">This is a link</a>
                <br>
                <img src="http://www.entireeducation.com/wp-content/uploads/2013/02/MAJU-
                Islamabad.png" alt="maju.com" width="104" height="142">
        </body>
</html>
```

Align Attribute:

Align attribute can be used with <**p>, <h1>, <h6>** and tags like this, it is used to set the alignment of the text.

```
        <p align="right">
        <h2 align="left">
        <h6 align="center">
```

HTML Lists:

Two types of list can be found in HTML.

An Unordered List:

- Item
- Item
- Item
- Item

The above result can be produce by following:

```
<ul>
        <li>Item</li>
        <li>Item</li>
        <li>Item</li>
        <li>Item</li>
</ul>
```

An Ordered List:

1. First item

2. Second item

3. Third item

4. Fourth item

The above result can be produce by following:

```
<ol>
        <li>First item</li>
        <li>Second item</li>
        <li>Third item</li>
        <li>Fourth item</li>

</ol>
```

HTML Formatting Elements:

HTML uses elements like <b> and <i> for formatting output, like bold or italic text.

Formatting elements were designed to display special types of text:

- <b> - Bold text
- <strong> - Important text
- <i> - Italic text
- <em> - Emphasized text
- <mark> - Marked text
- <small> - Small text

- `<del>` - Deleted text
- `<ins>` - Inserted text
- `<sub>` - Subscript text
- `<sup>` - Superscript text

Home Work Task:

Q. Design the HTML page same as in the given picture.

(NOTE all the special formatting within the page there are some **bold, italics, underlines and others** in the picture)