DEU CENG

CME4414
LAB SHEET #1

HTML

Simple HTML Document

```
<!DOCTYPE html>
<html lang="en">

<meta charset="utf-8">
<title>Page Title</title>

<body>
   .....
   <p>This is a paragraph.</p>
    ....
</body>

</html>
```
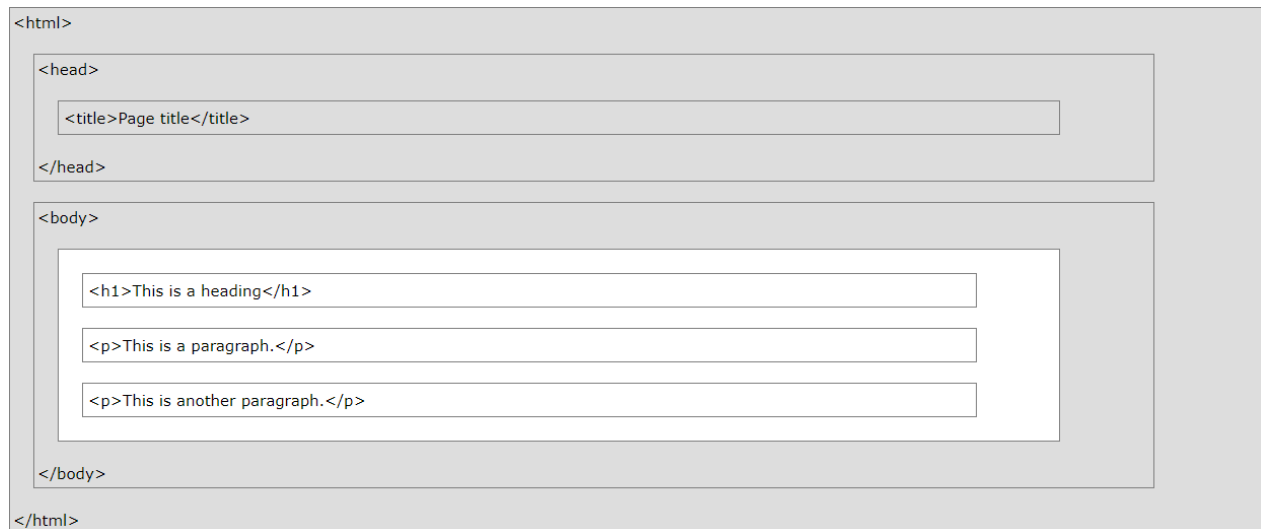
HTML Structure

An HTML document must include the four tags
- **<html>**
- **<head>**
- **<title>**
- **<body>**

```
<html>
    <head>
        <title>Page title</title>
    </head>

    <body>
        <h1>This is a heading</h1>

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

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

    </body>
</html>
```

HTML Headings
HTML headings are defined with `<h1>` to `<h6>` tags.

HTML paragraphs
HTML paragraphs are defined with `<p>` tags

HTML links

HTML links are defined with `<a>` tags

```
<a href="https://www.xyz.com">This is a link</a>
```

HTML images

HTML images are defined with `<img>` tags.

The source file (`src`), alternative text (`alt`), `width`, and `height` are provided as attributes

HTML buttons

HTML buttons are defined with `<button>` tags

```
<button>Click me</button>
```

HTML List

HTML lists are defined with `<ul>` (unordered/bullet list)
or `<ol>` (ordered/numbered list) tags, followed by `<li>` tags

```
<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
```

HTML Table

An HTML table is defined with a `<table>` tag.

Table rows are defined with `<tr>` tags.

Table headers are defined with `<th>` tags. (bold and centered by default).

Table cells (data) are defined with `<td>` tags.

```
<table>
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
```

```
      <td>Jill</td>
      <td>Smith</td>
      <td>50</td>
    </tr>
    <tr>
      <td>Eve</td>
      <td>Jackson</td>
      <td>94</td>
    </tr>
</table>
```

Example 1

```
<!DOCTYPE html>

<!-- headings.html

An example to illustrate headings -->

<html lang = "en">

<head>

<title> Headings </title>

<meta charset = "utf-8" />

</head>

<body>

<h1> XXXX's Airplanes (h1) </h1>

<h2> The best in used airplanes (h2) </h2>

<h3> "We've got them by the" (h3) </h3>

<h4> to see for a good used airplane (h4) </h4>

<h5> We offer great prices on great planes (h5) </h5>
```

```
<h6> No returns, no guarantees, no refunds(h6) </h6>

</body>

</html>
```

Example 2

Write HTML code of the following display.

```
<!DOCTYPE html>

<!-- image.html An example to illustrate an image -->

<html lang = "en">

<head>

<title> Images </title>

<meta charset = "utf-8" />

</head>

<body>

……

</body>

</html>
```

Aidan's Airplanes

The best in used airplanes

"Lorem ipsum dolor sit amet, consectetur adipisicing elit"

Special of the month

1960 Cessna 210
577 hours since major engine overhaul
1022 hours since prop overhaul

Buy this fine airplane
Call 02565898555

Form

```
<!DOCTYPE html>

<html>

<body>

<h2>HTML Forms</h2>

<form action="/action_page.php">

  First name:

  <input type="text" name="firstname" value="Mickey">

  <br>

  Last name:<br>

  <input type="text" name="lastname" value="Mouse">

  <br><br>
```

```
   <input type="submit" value="Submit">

</form>

<p> click the "Submit" button, the form-data will be sent to a page
called "/action_page.php".</p>

</body>

</html>
```

HTML Forms

First name:

Mickey

Last name:

Mouse

○ Male
◉ Female

Submit

If you click the "Submit" button, the form-data will be sent to a page called "/action_page.php".

HTML 5

- The most interesting new HTML5 elements are:
- New semantic elements like <header>, <footer>, <article>, and <section>.
- New attributes of form elements like number, date, time, calendar, and range.
- New graphic elements: <svg> and <canvas>.
- New multimedia elements: <audio> and <video>.

```
<!DOCTYPE html>

<html>

<head>

<script>document.createElement("NewElement")</script>
```

```
<style>

myNewelement {

  display: block;

  background-color: #dddddd;

  padding: 50px;

  font-size: 30px;

}

</style>

</head>

<body>

<h1>A Heading</h1>

My New Element</myNewelement>

</body>

</html>
```