WEB PROGRAMMING AND APPLICATIONS

(503073)

LAB 1

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1. Recommended IDE: PHP Storm (https://www.jetbrains.com/phpstorm/)

2. Recommended Site: https://www.w3schools.com/ (HTML, CSS, JavaScript, PHP, jQuery, Bootstrap, PHP).

Example 1. Use **<h1>** … **<h5>** to create header title, use **<p>** tag for paragraph.

```
<h1>The biggest header</h1>
<p>A paragraph of content which belong to the 3rd header. A
paragraph usually contains one or more sentences</p>

<h2>The 2nd biggest header</h2>
<p>A paragraph of content which belong to the 3rd header. A
paragraph usually contains one or more sentences</p>

<h3>The smaller header</h3>
<p>A paragraph of content which belong to the 3rd header. A
paragraph usually contains one or more sentences</p>
```

The biggest header

A paragraph of content which belong to the 3rd header. A paragraph usually contains one or more sentences

The 2nd biggest header

A paragraph of content which belong to the 3rd header. A paragraph usually contains one or more sentences

The smaller header

A paragraph of content which belong to the 3rd header. A paragraph usually contains one or more sentences

Example 2. Use **<ul>** in combination with **<li>** to create an unordered list.

```
<ul>
    <li>One</li>
```

```
    <li>Two</li>
    <li>Three</li>
    <li>Four</li>
</ul>
```

- One
- Two
- Three
- Four

Example 3. Use **<a>** with **href** property to create a hyperlink.

```
<a href="http://abc.com/music.mp3">Click here to download</a>
```

[Click here to download](http://abc.com/music.mp3)

Example 4. Use <**img**> with **src** property to insert an image to your page.

```
<img src="http://www.underconsideration.com/
google_2015_logo_detail.png"/>
```


Example 5. Use <**hr>** to create a horizontal line.

```
<p>Above line</p>
<hr width="100%"/>
<p>Below line</p>
```

Above line

Below line

Example 6. Use **<table>** tag to create a table.

- Use **<tr>** nested in side a **<table>** tag to create a line.

- Use **<td>** nested inside a **<tr>** tag to create a column.

```html
<table width="30%" border="1" cellpadding="5"
                                    cellspacing="5">
    <tr>
        <td>ID</td>
        <td>Name</td>
    </tr>

    <tr>
        <td>1</td>
        <td>Richard</td>
    </tr>

    <tr>
        <td>2</td>
        <td>John</td>
    </tr>
</table>
```

ID	Name
1	Richard
2	John

Example 7. Use **<form>** tag to create a submission form. All form elements need to be put insde **<form>** tag. There are many useful form elements can be found here:

https://www.w3schools.com/html/html_form_elements.asp

```html
<form action="login.php">

    First name:<br>
    <input type="text" name="firstname" value="Mickey">
    <br>

    Last name:<br>
    <input type="text" name="lastname" value="Mouse">
```

```html
    <br><br>

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

First name:

Mickey

Last name:

Mouse

Submit

Here are some notes of above example:

- Action attribute must be specified. It describes the destination should which recives and handles all information of the form after submission.

- The destination file must be written in server script (php, python, c#, java…)

- The last input which has **type="submit"** is required to send information.

```html
<form action="action.php">

    Select your favorite web browser <br>
    <select>
        <option value="0">Internet Explorer</option>
        <option value="1">Firefox</option>
        <option value="2">Chrome</option>
        <option value="3">Opera</option>
        <option value="4">Safari</option>
    </select>
    <input type="submit">
</form>
```

Select your favorite web browser

Chrome   Submit