Lab7: HTML and Form

We will use the online editor during this lab: https://jsfiddle.net

The material reference: https://www.w3schools.com

1. Introduction of HTML

1.1 What is HTML?

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

1.2 HTML Element

An HTML element is defined by a start tag, some content, and an end tag:

`<tagname>Content goes here...</tagname>`

- **html tag:**

  The `<html>` element is the root element and it defines the whole HTML document.

  It has a start tag `<html>` and an end tag `</html>`.

  Then, inside the `<html>` element there is a `<body>` element.

  ```
  <body>

  <h1>My First Heading</h1>
  <p>My first paragraph.</p>

  </body>
  ```

- **body tag:**

  The `<body>` element defines the document's body.

  It has a start tag `<body>` and an end tag `</body>`.

  Then, inside the `<body>` element there are two other elements: `<h1>` and `<p>`.

  ```
  <h1>My First Heading</h1>
  <p>My first paragraph.</p>
  ```

- **heading tag:**

  The `<h1>` element defines a heading.

  It has a start tag `<h1>` and an end tag `</h1>`:

  ```
  <h1>My First Heading</h1>
  ```

- **paragraph tag:**

  The `<p>` element defines a paragraph.

  It has a start tag `<p>` and an end tag `</p>`:

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

Task1:

Create a web page as the picture shows below:

Shall I compare thee to a summer's day?

Shakespeare

But thy eternal summer shall not fadeNor lose possession of that fair thou ow'st;

Nor shall Death brag thou wander'st in his shade,

When in eternal lines to time thou grow'st;

So long as men can breathe or eyes can see,

So long lives this, and this gives life to thee.

Let me not to the marriage of true minds

Shakespeare

Love's not Time's fool, though rosy lips and cheeks

Within his bending sickle's compass come;

Love alters not with his brief hours and weeks,

But bears it out even to the edge of doom.

This is the content:

Shall I compare thee to a summer's day?
Shakespeare

But thy eternal summer shall not fadeNor lose possession of that fair thou ow'st;

Nor shall Death brag thou wander'st in his shade,

When in eternal lines to time thou grow'st;

So long as men can breathe or eyes can see,

So long lives this, and this gives life to thee.
Let me not to the marriage of true minds

Shakespeare
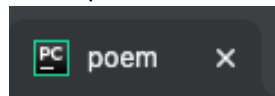Love's not Time's fool, though rosy lips and cheeks

Within his bending sickle's compass come;

Love alters not with his brief hours and weeks,

But bears it out even to the edge of doom.

Objective and hint:

1. Include all the tags that a html page should have. (<!DOCTYPE>, <html>,<head>,<body>, et.al)
2. The head of the page should be 'poem' (<title> in <head>)

PC poem ✕

3. The title of poem use color red, and use <h2> tag. (<style> tag, attribute: color: red)
4. The author of poem use color blue, and use <h3> tag.
5. The content of the poem will apply: (<style> tag, attribute: font-size, font-family)
   font-size is 15px
   font is Verdana
6. When our mouse over the element it will show something: (<title>)
   Title of poem: This is title of poem1
   Author of poem: This is author of poem1
   Content: This is the content of poem1
   As well as the poem2
7. Using two different tag to show the content, first one will use <pre> tag, second one will use <p> tag. (use <br> in <p>)
8. There is a line between the two poems. (<hr>)

2. HTML Forms

Reference: https://www.w3schools.com/html/html_forms.asp

Task2:

Create a form just like the picture below:

First name:

[   ]

Last name:

[   ]

◯ male ◯ female ◯ Other

☐ I have a bike

☐ I have a car

☐ I have a boat

☐ Sad, I have nothing.

[Submit]