Basic HTML Tags

In-class exercise 3

1. W3C school (https://www.w3schools.com/)
2. HTML tag structure

```
<!DOCTYPE html>

<html>
        <head>
                <meta charset="utf-8" />
        </head>
        <body>
        <h1> My Dream House </h1>
        <form>
        </form>
        </body>
</html>
```

3. Input types.
   https://developer.mozilla.org/en-US/docs/Web/HTML/Element/input/button

```
<input type="color"><br>
<input type="date"><br>
<input type="time"> <br>
<input type="datetime-local"><br>
<input type="week"><br>
<input type="month"><br>
<input type="number" min="0" max="7" step="1" value="4"><br>
<input type="range" min="0" max="20" value="10"><br>
<input type="search"><br>
<input type="email"><br>
<input type="url"><br>
<input type="tel" > <br>
<input type="submit" value="Submit" ><br>
```
4. Iframe attributes
   https://developer.mozilla.org/en-US/docs/Web/HTML/Element/iframe

(0) Create a form with the POST method. After clicking the submit button, the form should send the data to "http://httpbin.org/post"

(1) Create following inputs with corresponding requirements.

  I.   Zipcode (text). Requirements: A. Size = 5 B. Only 3-digit numbers are allowed. (Hint: html input pattern)

  II. Address 1 (text). Requirements: A. Size = 50. B. Only addresses are shorter than 20 characters are allowed. Use placeholder to show a default hint for users "Address longer than 20 characters, use the address 2"

III. Address 2 (textarea). Requirements: A. Rows = 5 Cols = 20.

IV. Painting Color (color). Requirements: Make the default color Blue "#0000FF"

V. Time you want to visit Open House (time). Requirements: A. Only times from 10am to 4pm can be selected.

VI. Name (text). Requirements: A. Only lower-cased English alphabets are allowed. B. The name cannot be shorter than 4 characters. (No numbers or upper-cases are allowed, Hint: html input pattern)

VII. Phone (text). Requirements: Only numbers longer than 7-digit are allowed. (Hint: html input pattern)

(2) Create two buttons: Submit and Reset for the form.

(3) Make sure your label and input are "connected."

(4) Use fieldset with the legend to create subforms.

I. Use a legend "Location" and fieldset and include:

- 1-I ~ 1-III

II. Use a legend "Preference" and fieldset and include:

- 1-IV ~ 1-V

III. Use a legend "Contact me" and fieldset and include:

- 1-VI ~ 1-VII

(5) Store the html as "Exercise3.html"

(6) Create **another** html "Exercise 3_1.html". Store your previous exercises (1, 2, and media folder) in the same folder with Exercise3 and Exercise3_1.

(7) In Exercise 3_1, Create 3 hyperlinks as following:

1. Exercise 1

2. Exercise 2

3. Exercise 3

(8) In Exercise 3_1, create an iframe with width = 600 and height = 400 below the hyperlinks.

(9) In Exercise 3_1, while clicking one of the above hyperlinks, the iframe should show the corresponding webpage in the iframe.

(10) Upload all the files (including: Exercise1.html, Exercise2.html, Exercise3.html, Exercise3-1.html, and media folder) to your moodle.
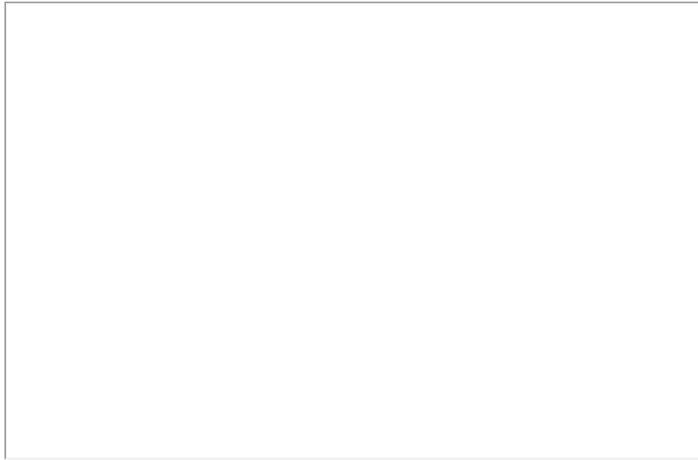
Exercise3.html

My Dream House

Location
Zipcode: [   ]

Address1: [Address longer than 20 characters, use the address 2]

Address2: [   ]

Preference
Painting Color: [■]

Time you want to visit Open House: [-- --:--   🕐]

Contact me
Name : [   ]

Phone: [   ]

[Submit] [Reset]

Exercise3_1.html

Exercise3_1.html (After clicking the exercise 2 link)