1. 실습: HTML+CSS+JS

가. HTML: web/index.html

```html
<!DOCTYPE html>
<html>   <!-- root element -->
    <head>
            <meta charset="UTF-8">
            <title>My sample page</title>
            <link rel="preconnect" href="https://fonts.googleapis.com">
            <link rel="preconnect" href="https://fonts.gstatic.com">
            <link href="https://fonts.googleapis.com/css2?family=Open+Sans&display=swap" rel="stylesheet">
            <link href="/htmlcssjs_study1/stylesheets/mystyle.css" rel="stylesheet" type="text/css">

    </head>

    <body>   <!-- visual contents -->

            <h1>Hello World!</h1>
            <a href="http://www.google.com">Google</a>

            <p class="para">Today is a new day.</p>
            <img alt="Cute pussy image" src="/htmlcssjs_study1/images/puppy.jpg">

            <p class="para">Let us try to be:</p>

            <ul>
                    <li>Kind</li>
                    <li>Patient</li>
                    <li>Forgiving</li>
            </ul>

            <p id="quote">Feeling <a href="http://quotesfrothrought.com">gratitude</a> and not
            expressing it it like wrapping a present and not giving it.</p>

            <button>Change name</button>

            <script src="/htmlcssjs_study1/scripts/myscript.js" type="text/javascript"></script>
    </body>
</html>
```

나. CSS: web/stylesheets/mystyle.css

```css
@charset "UTF-8";

p, li {
    font-size: 17px;
    line-height: 2;
}
```

```css
h1 {
    font-size: 65px;
    text-align: center;
    margin: 0;
    padding: 20px 0;
    color: deepskyblue;
    text-shadow: 3px 3px 1px black;
}

#quote {
    font-style: italic; /* This makes text italic */
}

.para {
    font-size: 25px;
    color: blue;
    font-family: Arial, Helvetica, Times;
    font-weight: bold;
}

body {
    margin: 0 auto;
    padding: 0 20px 20px 20px;
    width: 600px;
    border: 4px solid black;
    background-color: yellow;
}

html {
    background-color: #27FFF8;
    font-family: 'Open Sans', sans-serif;
    font-size: 30px;
}

img {
    display: block;
    margin: 0 auto;
}
```

다. 자바스크립트: web/scripts/myscripts.js

```javascript
var dogImage = document.querySelector('img');

dogImage.onclick = function()
{
    var myImages = dogImage.getAttribute('src');
    if(myImages === '/htmlcssjs_study1/images/puppy.jpg')
    {
            dogImage.setAttribute('src', '/htmlcssjs_study1/images/dog.jpg');
    }
```

```javascript
        else
        {
                    dogImage.setAttribute('src', '/htmlcssjs_study1/images/puppy.jpg');
        }
}


var nameButton = document.querySelector('button');
var myHeading = document.querySelector('h1');

function setUserName()
{
    'use strict';
    var myName = window.prompt('Please enter your name.');
    localStorage.setItem('name', myName);
    myHeading.textContent = 'Have a nice day, ' + myName;
}

if(!localStorage.getItem('name'))
{
    setUserName();
}
else
{
    var storedName = localStorage.getItem('name');
    myHeading.textContent = 'Have a nice day, ' + storedName;
}

nameButton.onclick = function()
{
    'use strict';
    setUserName();
}
```