CSE183 Fall 2021 - Assignment 1

In this assignment you will write a simple HTML page and multiple Style Sheets to display the elements of the page in different ways.

This assignment is worth 5% of your final grade.

Submissions are due NO LATER than 23:59, Monday October 4, 2021

Setup

Download the starter code archive from Canvas and expand into an empty folder. I recommend, if you have not already done so, creating a folder for the class and individual folders beneath that for each assignment.

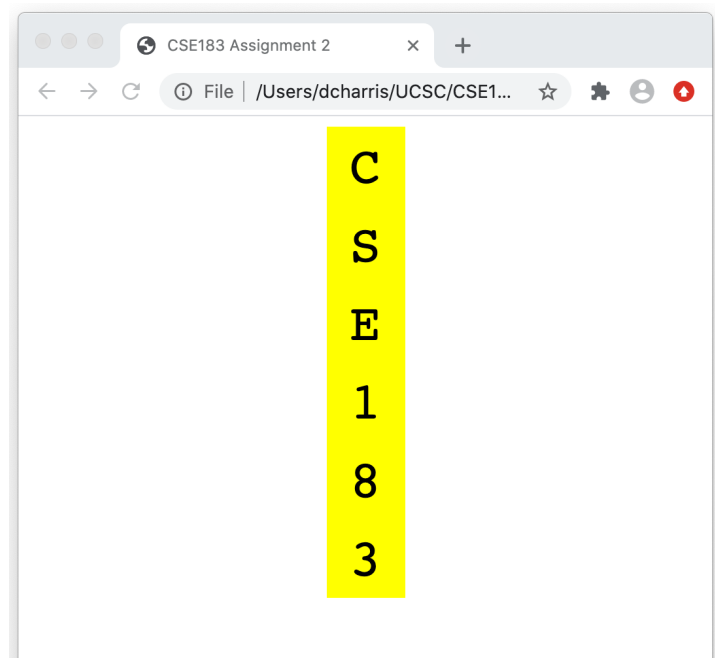The starter code archive contains the following files:

```
index.html
basic.css
advanced.css
stretch.css
```

Requirements

Note that all three requirements must be met by modifications to the supplied stylesheets and index.html file; do **_NOT_** create a new HTML file for each requirement or add new stylesheets.
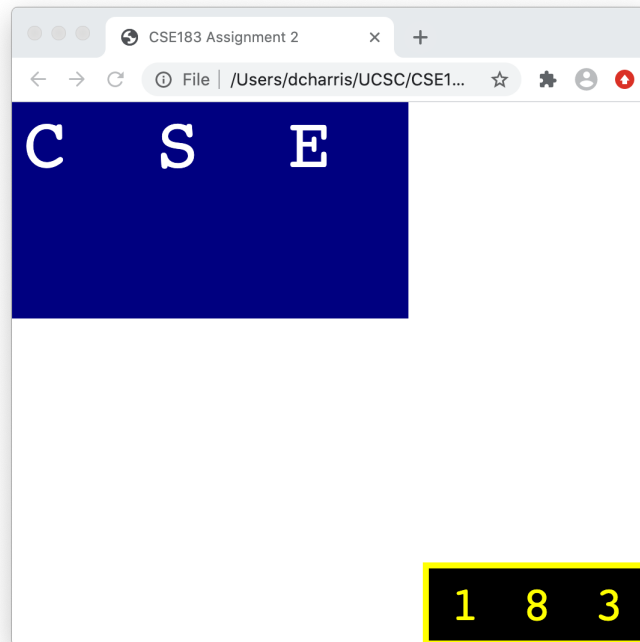
Basic:

- Modify `index.html` and `basic.css` to display "CSE183" vertically in a 40-point monospace `Courier Lucida Console` font with a yellow background and black text in top center of the browser as shown:

> To achieve the correct spacing you may want to have each character horizontally and vertically centered in its own 60x60px `<div>` but you can use as many other `<span>`s and `<div>`s as you need or implement something completely different, it's entirely up to you.
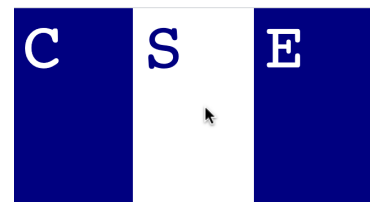
Advanced:

- Modify `index.html` so it continues to meet the Basic requirement when linked to `basic.css` but when linked to a modified `advanced.css` shows "CSE" in the top left corner of the browser and "183" in the bottom right as shown:

The `<div>`s the letters are in should now be 100x180px with a navy-blue background and white text. The numbers' `<div>`s should remain 60x60px but should have a black background, yellow text and a 10px yellow border. The letters should now be 60-point whilst the numbers remain 40-point.

When the mouse hovers over the letters, they should go into "reverse video" with the text turning navy-blue and the background turning white as shown:

A similar effect should occur when the mouse pointer hovers over the numbers, as shown:

Stretch:

- Modify `index.html` so it continues to meet the Basic and Advanced requirements when linked to the appropriate style sheets, but when linked to modified `stretch.css` exhibits behavior of your choice using at least two of the following effects:

    Gradients
    Transitions
    Animations

    Your will need to do you own research on these effects.

What steps should I take to tackle this?

Review the lecture handouts, consult on-line resources including:

> https://www.w3schools.com/html
> https://www.w3schools.com/css
> https://www.tutorialspoint.com/html
> https://www.tutorialspoint.com/css/

And come along to sections plus TA and Instructor office hours to ask questions.

How much code will I need to write?

A model solution that satisfies all requirements adds approximately a dozen lines of HTML and around three dozen lines of CSS.

Grading scheme

The following aspects will be assessed:

1. (100%) **Does it work?**

    a. Basic Requirement   (40%)
    b. Advanced Requirement   (40%)
    c. Stretch Requirement   (20%)

    25% deduction if your code is poorly formatted or does not pass validation at http://validator.w3.org/.

2. (-100%) **Did you give credit where credit is due?**

    a. Your submission is found to contain code segments copied from on-line resources and you failed to give clear and unambiguous credit to the original author(s) in your source code (-100%). You will also be subject to the university academic misconduct procedure as stated in the class academic integrity policy.

    b. Your submission is determined to be a copy of a past or present student's submission (-100%)

    c. Your submission is found to contain code segments copied from on-line resources that you did give a clear an unambiguous credit to in your source code, but the copied code constitutes too significant a percentage of your submission:

o < 25% copied code	No deduction
o 25% to 50% copied code	(-50%)
o > 50% copied code	(-100%)

What to submit

Make a Zip Archive of the four modified files:

```
index.html
basic.css
advanced.css
stretch.css
```

**** UPLOAD THIS ZIP ARCHIVE TO THE CANVAS ASSIGNMENT AND SUBMIT ****