Web Programming

Tutorial 2

To begin this tutorial, please download `tut02-starter.zip` from the course website.

When you finish, zip all your deliveries to submit to this tutorial's submission box. The zip file's name should follow this format: `tclass_sid.zip` where `tclass` is your tutorial class name (e.g. `tut01`, `tut02`, `tut03`, etc.) and `sid` is your student's ID (e.g. `2101040015`).

Activity 1 – CSS selector exercises

(10 mins) In the `activity_1` folder, open `index.html` and write CSS selectors for the 8 requirements in there. Note your answers down to check with the teacher later.

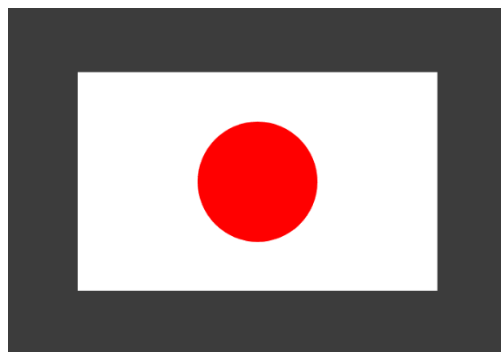→ **Delivery**: `activity_1_answers.txt`

Activity 2 – CSS Quiz

(10 – 15 mins) Do the following test to check how good you are with CSS:

https://www.w3schools.com/css/css_quiz.asp

→ Upon completion, report your quiz score to the teacher.

Activity 3 – Japan Flag

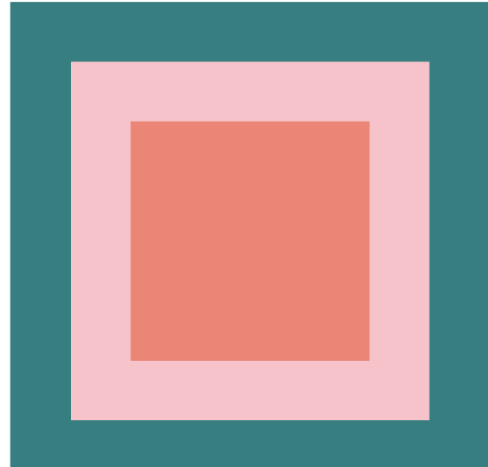(10 mins) Use HTML and CSS to create the following Japan flag on a page with dark background:

Try doing this exercise with and without Flexbox.

→ **Delivery**: `japan_flag` folder with possible HTML and CSS files.

Activity 4

(15 mins) Given `boxes.html` inside `boxes` folder. In the same folder, create `boxes.css` to make the appearance below:

- The padding of the outer box is teal with a width of 50 pixels.
- The border of the inner box is pink with a width of 50 pixels.
- The background color of the inner box is salmon with a width and height of 200 pixels.
- The overall box has total dimensions of 400 pixels by 400 pixels.

→ **Delivery**: `boxes` folder with added `boxes.css` file.

Activity 5

(20 mins) Use the given `card-numbers` folder as a starter pack. Use your understanding of CSS Flexbox to create the following bordered box which contains flash cards:

- The card container is represented using a div and has 4 images, each representing a number. This card should be `500px` wide and `200px` tall with a solid `#698733` border of `0.5em` width and a `border-radius` of `1em`.
- The four images in the card should take up `70%` of the height of the card, be centered vertically within, and space-evenly horizontally.

- *(Challenge)* Once you've finished this exercise to get the expected output, how can you modify your CSS to get the numbers in the order "3 2 1 0"? How about "2 3 1 0"? For the second ordering, try to use the order property.

→ **Delivery**: `card-numbers` folder with added `number.css`

Activity 6 – CSS exercises

(Self-study recommendation) Do the following quiz about CSS:

https://www.w3schools.com/css/css_exercises.asp

See how far you can go without Googling and record yourself how often you need to find additional information to finish the exercises.

→ **Delivery**: `activity_6.txt` with content following this template:

> Number of finished exercises: …
>
> Time spent: … (minutes)
>
> Number of exercises which need Googling: …