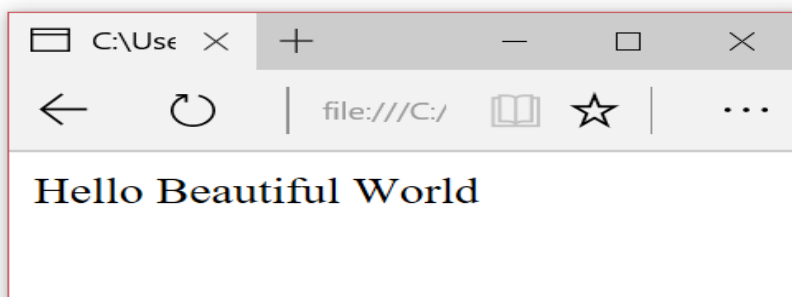# Exercise 1 project - Hello your world

It's finally time to write your own CSS! Open your code editor of choice and save the following code as a new HTML document.

Remember: to do this, you will need to give it a .html file extension when you are saving it. For example, you could call it `index.html`

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
    </head>
    <body>
        <p>
            Hello Beautiful World
        </p>
    </body>
</html>
```

Once you have your HTML document view it in a Web browser. It should look like this:

Now it's time to add some CSS. Here is the CSS we wrote in the "Hello Beautiful World" demo. Make a new file with this css and save it with a .css file extension. For example, you can call it `styles.css`
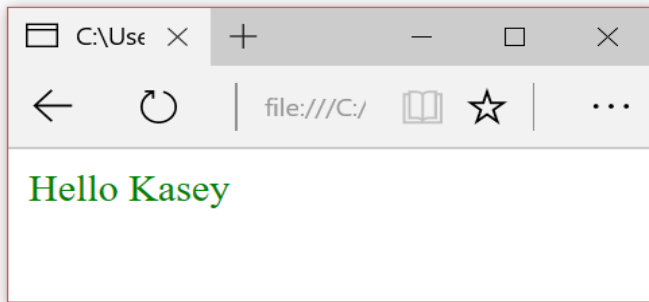
```css
p {
    color: blue;
}
```

This won't change the look of your HTML until you link the two files with this HTML tag.

To do this:

- remember it should be placed in the header, that is between the <head> and </head> tags in the HTML file.
- place the HTML and CSS files in the same folder on your computer
- add the linking code to the HTML header (that means after the <head> tag and before the </head> tag). If your css is called "styles.css", here is what it would look like:
  ```html
  <link rel="stylesheet" href="styles.css">
  ```

Now change the HTML and CSS files so that it says "Hello <your name>, welcome to my first CSS Web page" in your favorite color! Here's what mine looks like:

HINT: Is your favorite color not working? Not all color names are recognized by CSS. Sometimes the best way is to use HEX. We'll talk in more detail about colors in the next exercise, but here is a list of colors you can use: extended color keywords (from W3C's specification) or color keywords (from MDN's documentation).

Exercise 2 project - About me page

Now that you have played around with applying selectors and properties, you have the tools to make a much more sophisticated Web page than "Hello Your World".

For your exercise project, you are going to create a page describing yourself using your favorite colors. Your Web page must have the following content:

- an h1 title with your name
- an h2 title with your favorite quote
- a paragraph describing your favorite hobbies
- an ordered list of your favorite foods
- an unordered list of your favorite websites, including links to them

And in addition, you must employ the following styles:

- 3 different font colors
- 2 different background colors
- a serif font
- a sans-serif font
- italic text
- bold text
- 1 border
- extra margin between the edge of the screen and your content
- extra padding around your list items

For example, here is what my page looks like:

Kasey Champion

"Be kind for everyone you meet is fighting a hard battle"

Hi my name is Kasey Champion. In my spare time I like to hike and camp with my family, because the pacific north west is beautiful! I also love to travel, last year we went to Cuba and Belize and next year we are going to Kenya and Tanzania. On the weekends I perform at children's birthdays doing magic shows, face painting and twisting balloon animals.

My Favorite Foods

1. Birthday Cake
2. Caesar Salad
3. Almonds

My Favorite Websites

- Microsoft click here
- W3 Consortium click here

Note that you are welcome to look up other styles and apply them however you like as long as you at least have the above requirements met. We've set up a discussion forum below, in case you want to share your work!

Remember that if you want to post an assignment without personal information of yours in, feel free to change the content of the assignment to anything you like, so long as you incorporate the required code features. For example, you could instead create a profile page for an imagined character, or a brief biography of someone you admire.

Exercise 3 project - My profile

Now that you have a host of new selectors available, you can style much more complicated HTML. Take your "about me page" from exercise 2, and add to it so that it becomes more of a "profile". Your page must have the following elements:

- header and footer tags
- an education, work experience and favorite things sections
- at least two subsections within each main section. You could use either the <section> tag, the <article> tag or the <div> tag for this.
  - Each subsection should have its own title and two inner subsections

Once you have all these elements, style them to look nice, but you must have each of the following:

- 1 ID
- 2 different classes, each with at least 2 members
- 1 special style applied when an element is hovered over by the user's cursor
- 1 special style applied when the user clicks an element
- 3 uses of contextual selectors

For reference here is what my solution looks like:

Kasey Champion

Software Engineer, Microsoft

"Be kind for everyone you meet is fighting a hard battle"

Hi my name is Kasey Champion. In my spare time I like to hike and camp with my family, because the pacific north west is beautiful! I also love to travel, last year we went to Cuba and Belize and next year we are going to Kenya and Tanzania. On the weekends I perform at children's birthdays doing magic shows, face painting and twisting balloon animals.

Education

"Education is the most powerful tool with with to change the world'" -Nelson Mandela

University

BE Electrical Engineering
Concentration in embedded systems, research assistant for wireless power lab

Certificates

MIA certification
MTA certification

Work Experience

"Nothing is really work unless you would rather be doing something else" -J. M. Barrie

Computer Science Teacher, Franklin High School

I teach the semester long elective "Introduction to Computer Science" and the year long course "Advanced Placement Computer Science"

Owner, Champion Family Parties

Your premire destination for children's birthday party entertainment

Puppy Raiser, Summit Assistance Dogs

Helping give the figt of independence to people living with disabilities that significantly impact their mobility.

My Favorites

"Wild geese that fly with the moon on their wings, these are a few of my favorite things" -Maria Von Trapp

My Favorite Foods

1. Birthday Cake
2. Caesar Salad
3. Almonds

My Favorite Websites

- Microsoft [click here](#)
- W3 Consortium [click here](#)

Connect with me on [Twitter](#), [Instagram](#), [LinkedIn](#)

We've set up a discussion forum below, in case you want to share your work!

And please remember that if you want to post an assignment without personal information of yours in, feel free to change the content of the assignment to anything you like, so long as you incorporate the required code features. For example, you could instead create a profile page for an imagined character, or a brief biography of someone you admire.

Exercise 4 project - My resume

In Exercise 2 and 3, you've been building your profile as a Web page. For this exercise project, we are going to continue to build on that work and turn the profile into a "resume" or "CV", as a kind of online portfolio.

In some countries, traditional printed resumes typically are required to fit on a single piece of paper (A4 or Letter sizes), which means they need to make very effective use of the space available.

For this project, you are going to try to reproduce a typical resume layout but with HTML and CSS.

Here is what my Web resume looks like:

Kasey Champion

email kasey@techieforgood.com
twitter @techie4good
location Seattle,WA

Work Experience

2012	**Microsoft** Software Engineer	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Curabitur suscipit libero at lorem elementum varius.
2013	**Seattle School District** Computer Science Teacher	Nulla at viverra orci. Donec at mattis massa. Cras pharetra tellus sollicitudin tortor fermentum tempus.
2014	**Champion Family Parties** Owner and founder	Etiam sit amet tempus libero. Integer pulvinar accumsan libero, a posuere libero bibendum at. In ut justo imperdiet urna gravida consectetur in ut neque.
2008	**University of Washington** Head TA	Etiam sit amet tempus libero. Integer pulvinar accumsan libero, a posuere libero bibendum at. In ut justo imperdiet urna gravida consectetur in ut neque.
2010	**Fluke Networks** Intern	Etiam sit amet tempus libero. Integer pulvinar accumsan libero, a posuere libero bibendum at. In ut justo imperdiet urna gravida consectetur in ut neque.
2011	**NetApp** Intern	Etiam sit amet tempus libero. Integer pulvinar accumsan libero, a posuere libero bibendum at. In ut justo imperdiet urna gravida consectetur in ut neque.

Objective

Donec eget ligula nec leo commodo mollis. Duis ut accumsan urna. Aliquam massa dolor, ornare id nisi nec, dictum convallis mauris.

Education

University of Washington
BE Electrical Engineering
Concentration in embedded systems

Leadership

Intern Manager
Fusce quam leo, bibendum lacinia tellus vel, rutrum pellentesque orci. Suspendisse id massa placerat.

Intern Social Coordinator
Suspendisse id massa placerat, tincidunt nisi ac, dapibus elit. Donec nec scelerisque ipsum.

Hackathon Project Leader
Bibendum lacinia tellus vel, rutrum pellentesque orci. Suspendisse id massa placerat, tincidunt nisi ac.

Charity Work

2012	**TEALS** Teacher	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Curabitur suscipit libero at lorem elementum varius.
2013	**Summit Assistance Dogs** Puppy Raiser and Trainer	Nulla at viverra orci. Donec at mattis massa. Cras pharetra tellus sollicitudin tortor fermentum tempus.

Connect with me on Twitter, Instagram, LinkedIn

To more closely simulate a paper resume, your entire page's content must be centered in the middle 75% of the page. All your content should remain centered, and in the same position relative to the other elements on the page when you resize the browser window.

For this project you must at least:

- Use percentages to set the width of 3 elements
- Change the text-alignment property to something other than "left" on at least 1 element
- Have 4 floating elements
- Use the clear property once
- Use the position property and box offsets to position at least 2 elements

Again, please remember that if you want to post an assignment without personal information of yours in, feel free to change the content of the assignment to anything you like, so long as you incorporate the required code features. For example, you could instead create a profile page for an imagined character, or a brief biography of someone you admire.