CITY ST GEORGE'S UNIVERSITY OF LONDON

STEM Digital Academy

School of Science & Technology

ID and CLASS Attributes

Web Technologies

Lecture by

Dr Elahe Kani-Zabihi


```
<!doctype html>
<html>
    <head>
      <title>
        Web Technologies
      </title>
      <style>
        p {
          color: blue;
        }
      </style>
      <script>
      console.log("client-side");
      </script>
    </head>
    <body>
        <p>
            Welcome!
        </p>
    </body>
</html>
```

What we will cover

- HTML – ID and CLASS attributes
- CSS – ID and CLASS selectors
- CSS basic selectors

CITY
ST GEORGE'S
UNIVERSITY OF LONDON

HTML - ID Attribute

- Uniquely identifies an element
- The value is optional, but the name should be unique and not be repeated

```
<p id="initial">
```

CITY
ST GEORGE'S
UNIVERSITY OF LONDON

ID Attributes in HTML

```
<p id="initial">
  Lorem ipsum dolor sit amet, consectetur adipiscing elit.
  Vestibulum neque dolor, efficitur tristique aliquet at,
  consectetur sollicitudin nulla.
</p>
<h2 >This is the subheading for the first title</h2>
<p>
  In nec egestas sapien. Sed viverra vel ipsum sit amet rhc
  malesuada sit amet erat at, interdum finibus mauris. Aene
  egestas suscipit ex euismod. Praesent et tincidunt mauris
</p>
```

CITY
ST GEORGE'S
UNIVERSITY OF LONDON

CSS selector for ID

1. **HTML – ID attribute for <p>**

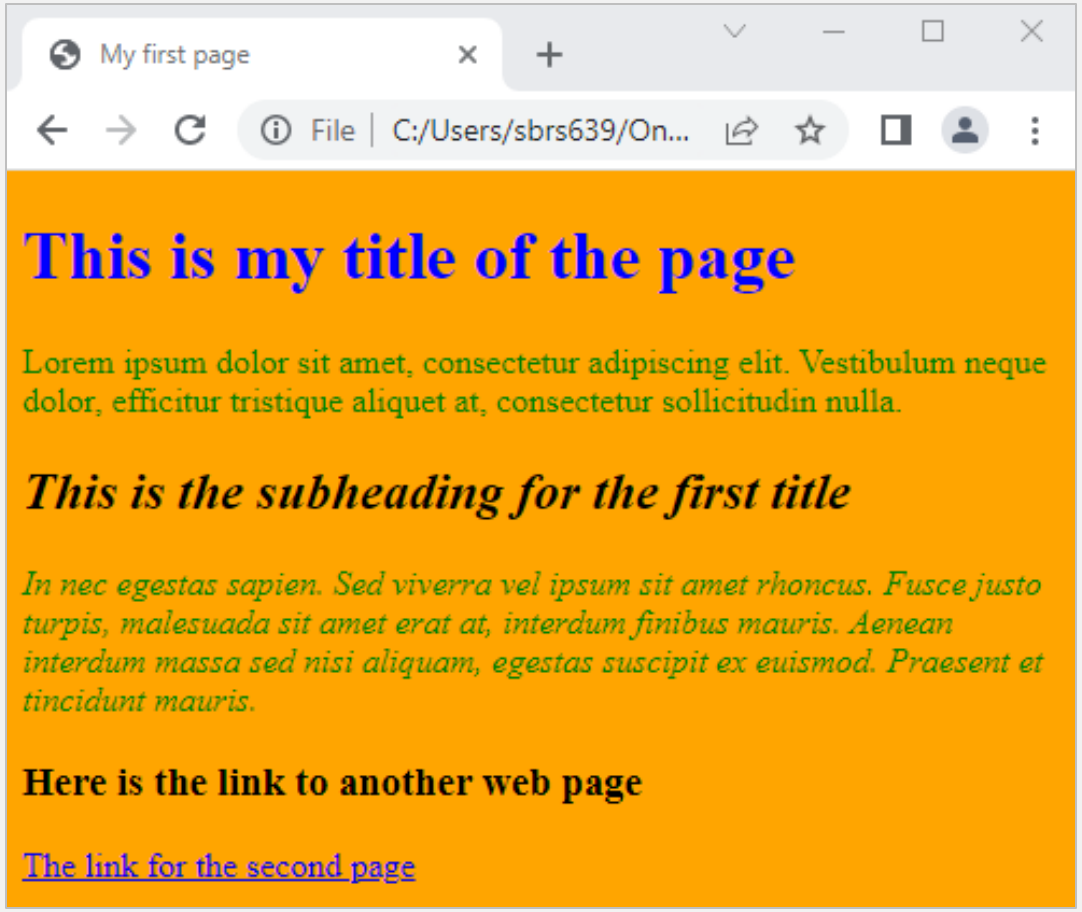
```
<p id="initial">
  Lorem ipsum dolor sit
  Vestibulum neque dolor
  consectetur sollicitud
</p>
```

2. **CSS selector for ID**

```
p {
    color:green;
    font-style: italic;
  }
#initial {
    font-style: normal;
  }
```

CITY ST GEORGE'S UNIVERSITY OF LONDON

The Web Page in a Browser



HTML - CLASS Attribute

- All elements can have a CLASS attribute
- The value of a CLASS can be repeated
- Uniquely identifies a group of elements

CITY
ST GEORGE'S
UNIVERSITY OF LONDON

CLASS Attribute in HTML

```
<h1 class="group_colour">This is my title of the page</h1>
<p id="initial" class="group_colour">
  Lorem ipsum dolor sit amet, consectetur adipiscing elit.
  Vestibulum neque dolor, efficitur tristique aliquet at,
  consectetur sollicitudin nulla.
</p>
```

CITY
ST GEORGE'S
UNIVERSITY OF LONDON

CSS Selector for Class

1. HTML – CLASS attribute for <p> and <h1>

```
<h1 class="group_colour">This is my t
<p id="initial" class="group_colour">
  Lorem ipsum dolor sit amet, consect
  Vestibulum neque dolor, efficitur t
  consectetur sollicitudin nulla.
</p>
```

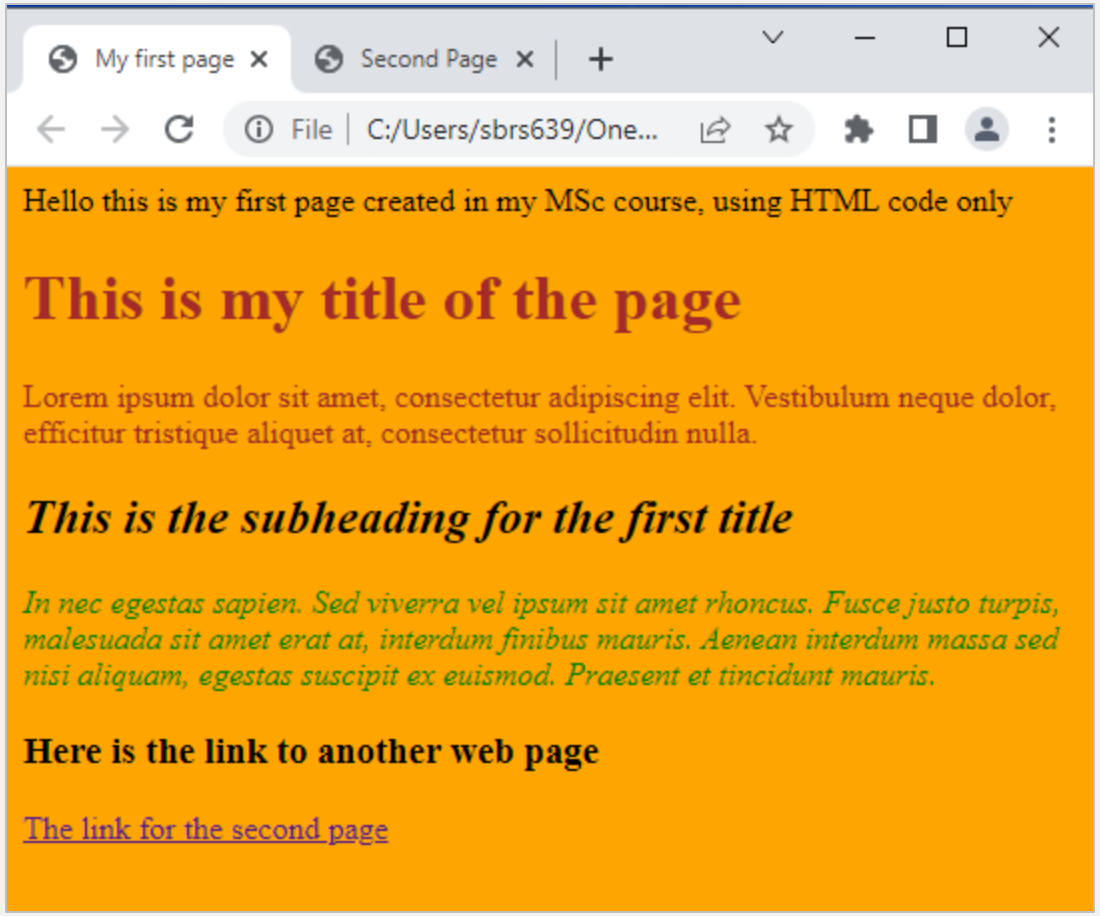
2. CSS selector for CLASS

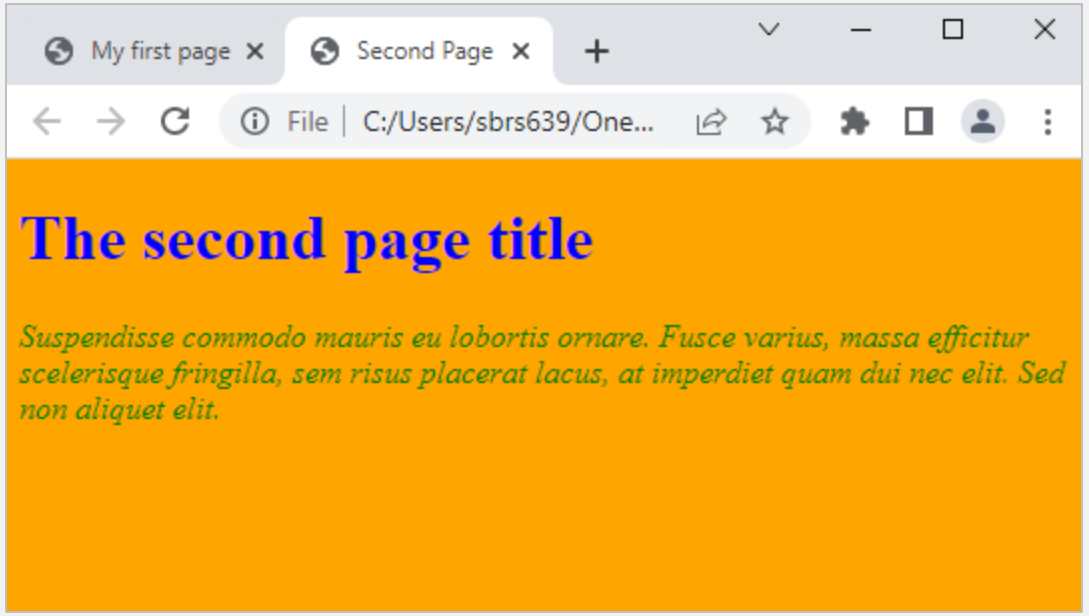
```
h1 {color: blue;}
p {color: green;
  font-style: italic;}

.group_colour {
  color: brown;
}
```

CITY ST GEORGE'S UNIVERSITY OF LONDON

Web Pages in a Browser



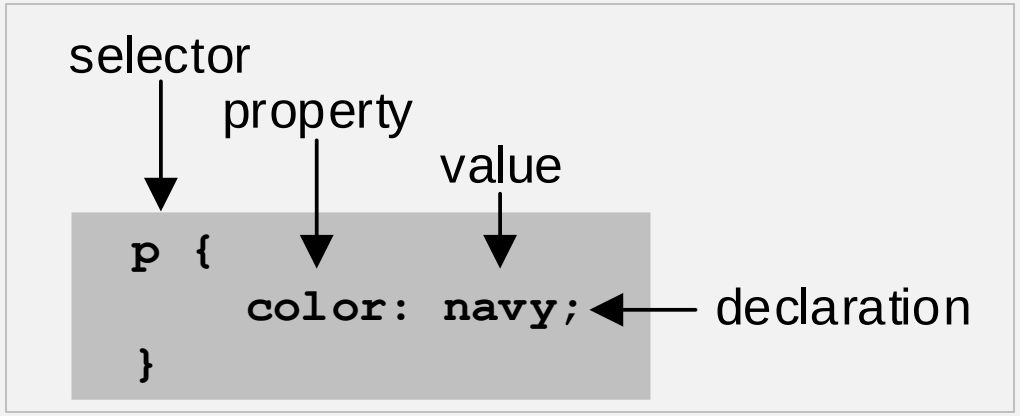


CITY ST GEORGE'S UNIVERSITY OF LONDON

CSS Selectors

- **Type – selects the elements in the HTML code**
- **ID – selects the value of ID attributes**
- **CLASS – selects the value of**

  CLASS attributes
- **Universal – selects all HTML elements**



CITY ST GEORGE'S UNIVERSITY OF LONDON

CSS Style Rules that Select by Type

```
body {
  background-color: orange;
}
h1 {
  color: blue;
}
p {
  color:green;
  font-style: italic;
  }
```

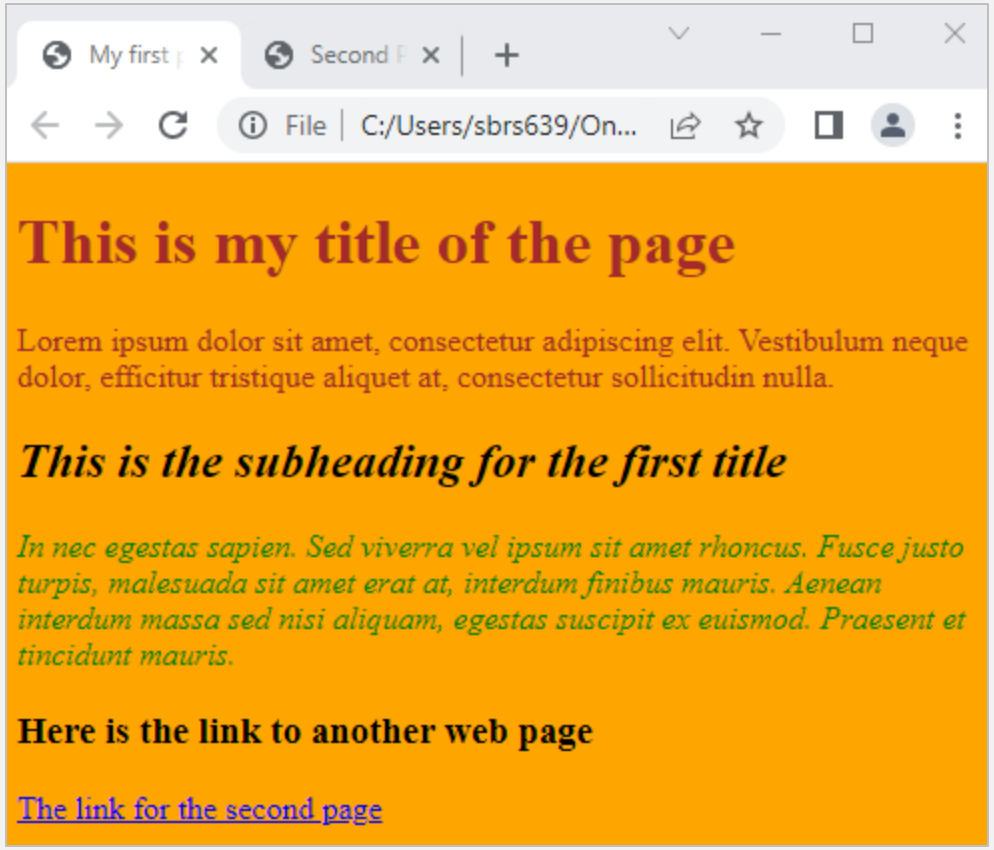
CSS Style Rule that Selects by ID

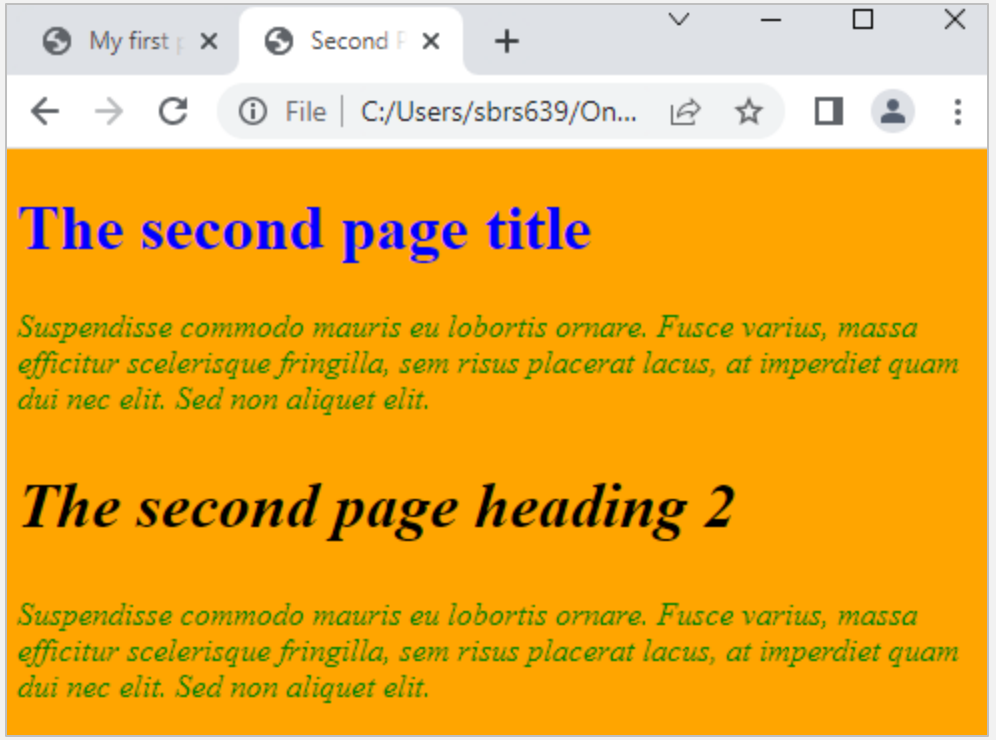
```
#random {
  font-size: xx-large;
}
```

```
<h1>The second page title</h1>
<p>
    Suspendisse commodo mauris eu lobortis ornare.
    Fusce varius, massa efficitur scelerisque fring
    sem risus placerat lacus, at imperdiet quam dui
    Sed non aliquet elit.
</p>
<h2 id="random"> The second page heading 2 </h2>
```

CITY ST GEORGE'S UNIVERSITY OF LONDON

Web Pages in a Browser 1





CITY ST GEORGE'S UNIVERSITY OF LONDON

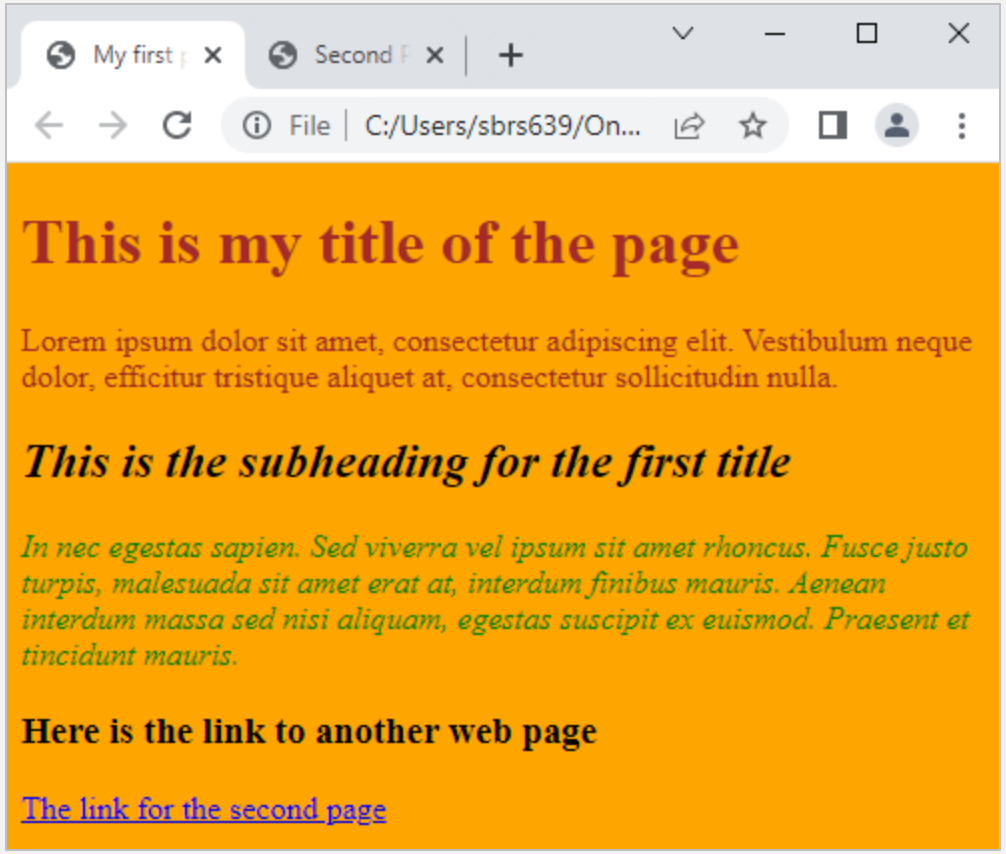
CSS Style Rule that selects by Class

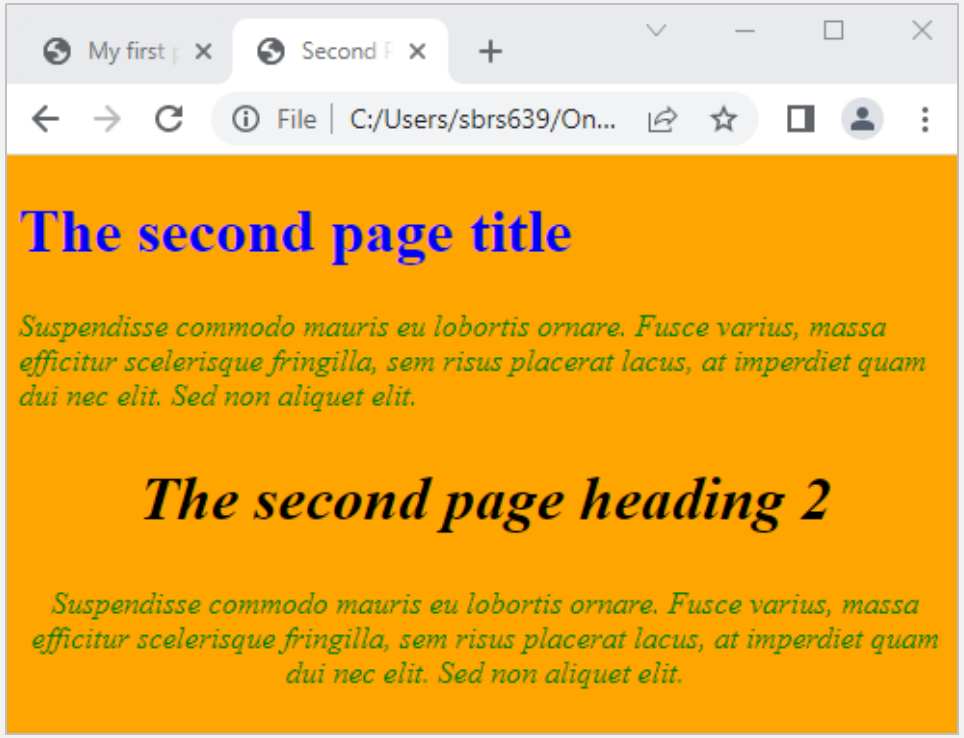
```
.focus {
  text-align: center;
}
```

```
<h2 id="random" class="focus"> The second page heading 2 </h2>
<p class="focus">
    Suspendisse commodo mauris eu lobortis ornare.
    Fusce varius, massa efficitur scelerisque fringilla,
    sem risus placerat lacus, at imperdiet quam dui nec elit.
    Sed non aliquet elit.
</p>
```

CITY ST GEORGE'S UNIVERSITY OF LONDON

Web Pages in a Browser 2





CITY ST GEORGE'S UNIVERSITY OF LONDON

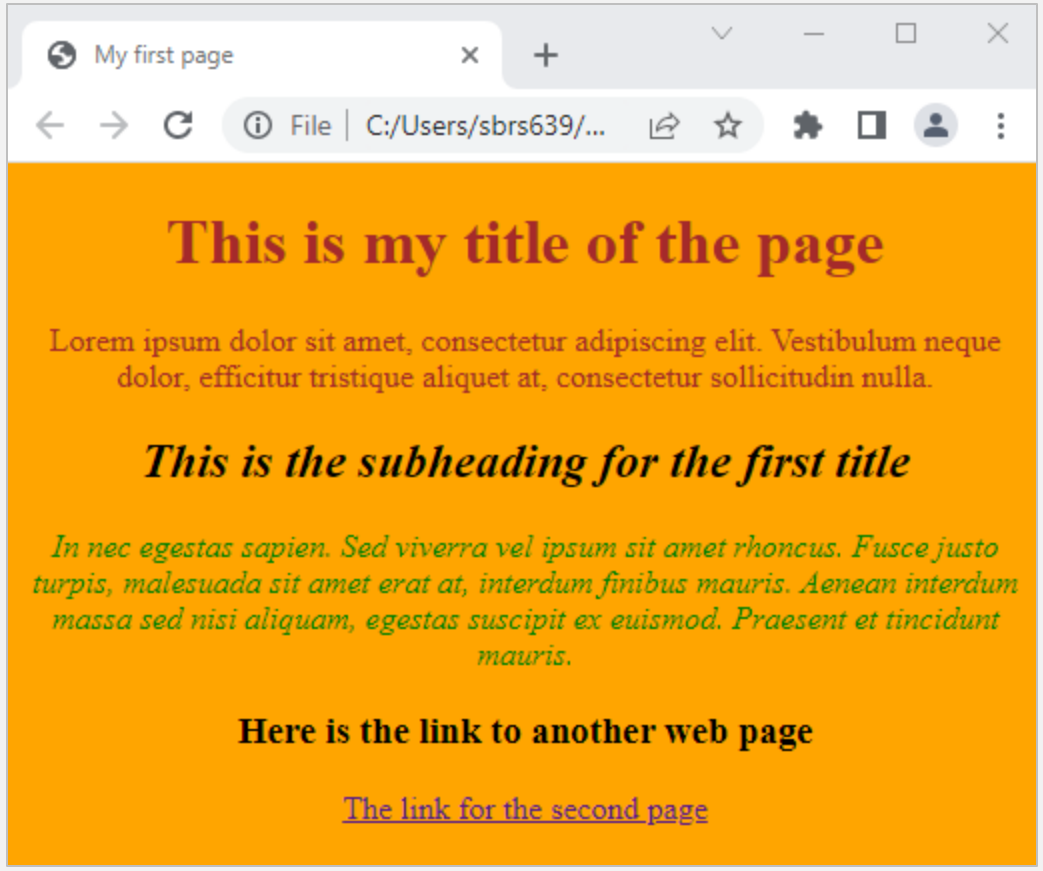
CSS Style Rule that Selects All Elements

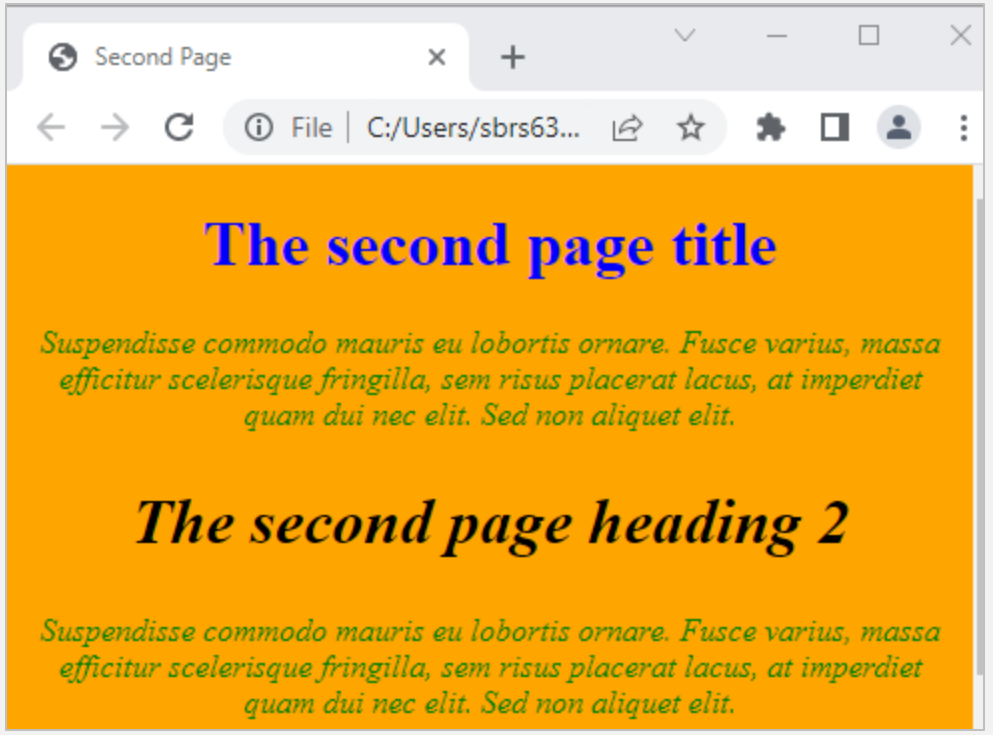
Universal – selects all HTML elements

```
* {
  text-align: center;
}
```

CITY
ST GEORGE'S
UNIVERSITY OF LONDON

Web Pages in a Browser 3





CITY ST GEORGE'S UNIVERSITY OF LONDON

Try It Yourself

In this activity you can practice how to use

CSS ID and CLASS attribute and selector. So:

1. Add the ID attribute to one of your elements for headings or paragraph in your HTML file.
2. In your CSS add the ID selector to apply different font-style.
3. Save and run the HTML file in your web browser.
4. Add the CLASS attributes to a heading and paragraph in your HTML file.
5. In your CSS add the CLASS selector to apply a different colour.
6. Save and run the HTML file in your web browser.

CITY
ST GEORGE'S
UNIVERSITY OF LONDON