

# HTML Syntax, Page Linking, CSS rule sets

## Web Technologies



Lecture by  
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```
<!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

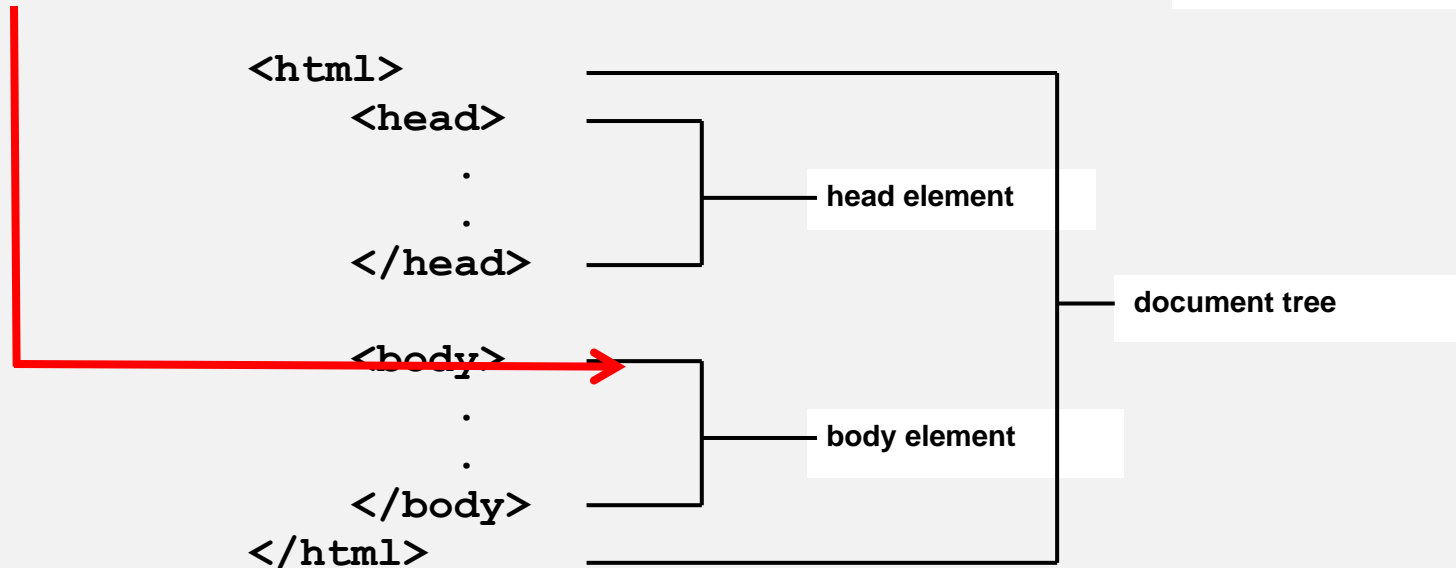
- HTML syntax
- Creating links using `<a>` element
- Link two HTML pages to one CSS file

# HTML Syntax

- The indent level increased by one for **<head> and <body> inside <html>**

<!DOCTYPE html>

DOCTYPE declaration



# Opening and Closing Tags

```
<!doctype html>
<html>
  <head>
    <title>
    </title>
  </head>
  <body>
    <h1>
    </h1>
    <p>
    </p>
  </body>
</html>
```

Opening and closing tags  
on separate lines

```
<!doctype html>
<html>
  <head>
    <title> </title>
  </head>
  <body>
    <h1> </h1>
    <p> </p>
  </body>
</html>
```

Opening and closing tags  
on the same line

# Nesting of Tags

- Incorrect nesting

`<p>Order your copy <i>today!</p></i>`

- Correct nesting

`<p>Order your copy <i>today!</i></p>`

- By putting text inside `<i>` element we can make it appear italic

# <a>

- Links between pages
- Inside <body> element

<a href="secondpage.html"> The link for the second page </a>

# <a> Inside the HTML page

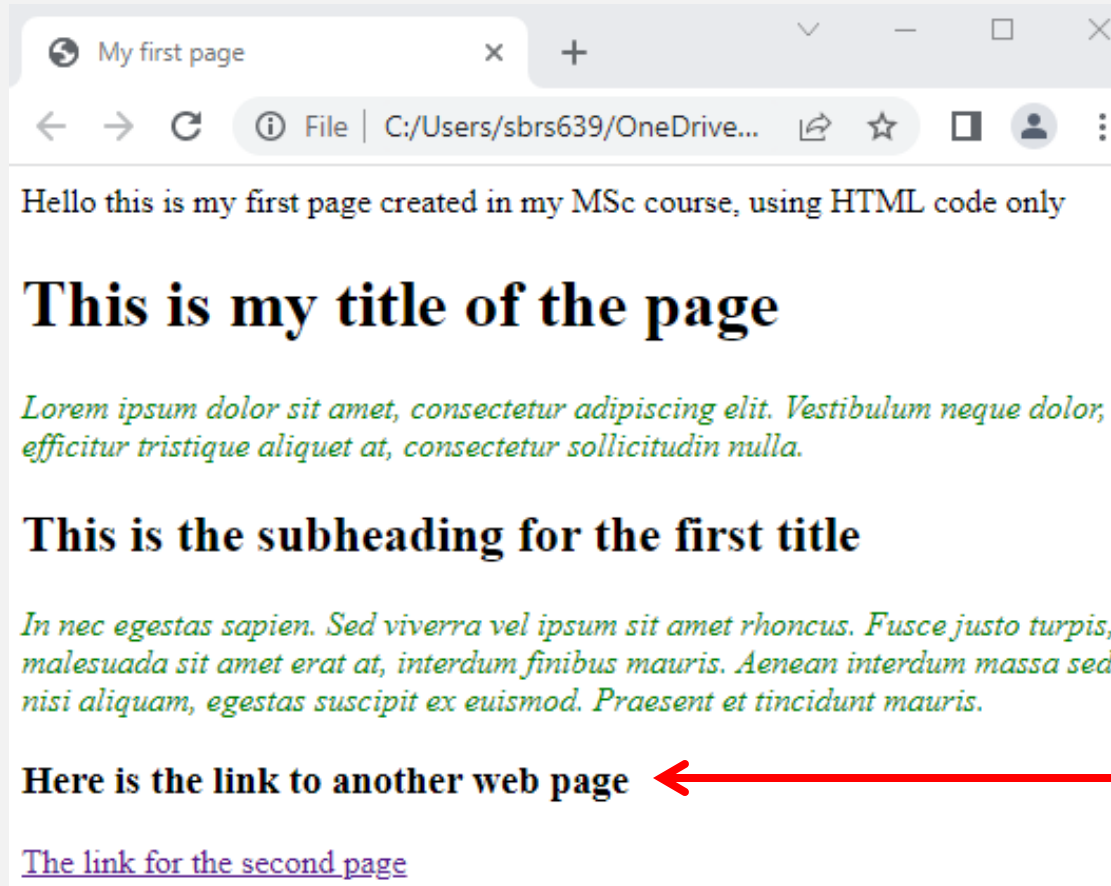
```
<h2>This is the subheading for the first title</h2>
<p>
  In nec egestas sapien. Sed viverra vel ipsum sit amet rhonci
  malesuada sit amet erat at, interdum finibus mauris. Aenean
  egestas suscipit ex euismod. Praesent et tincidunt mauris.
</p>
<h3>Here is the link to another web page</h3>
<a href="secondpage.html"> The link for the second page </a>
</body>
</html>
```



# secondpage.html

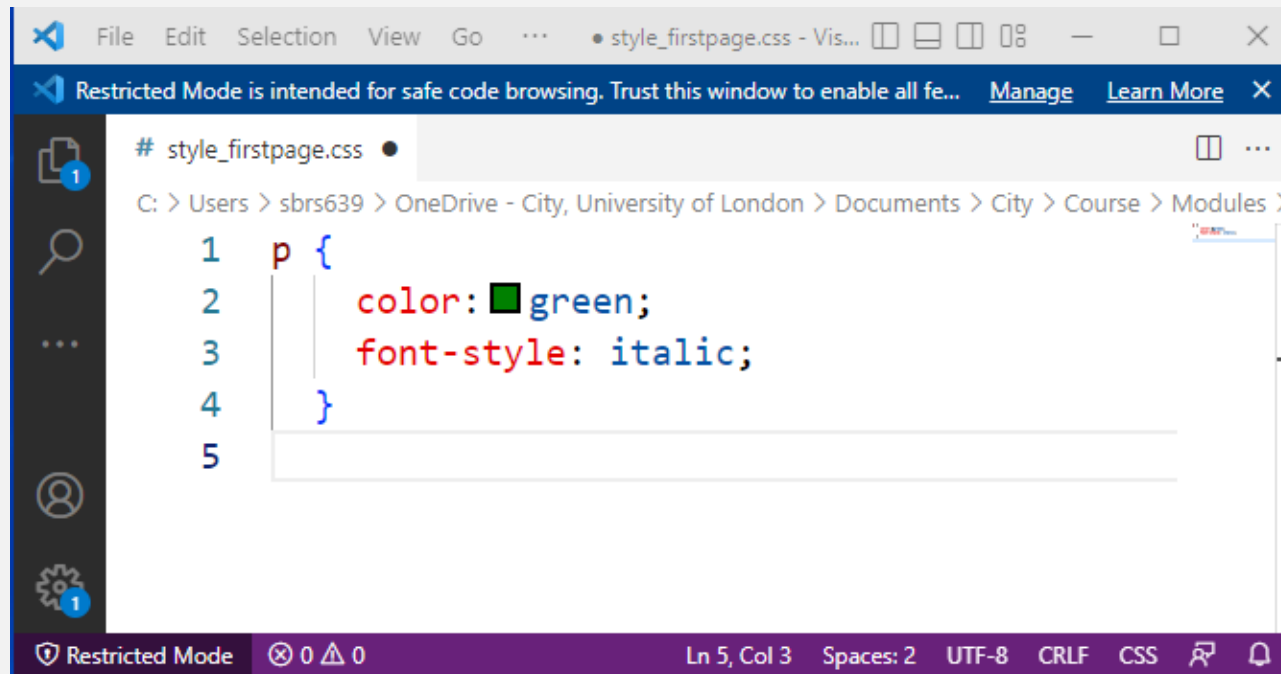
```
<!doctype html>
<html lang="en">
  <head>
    <title>Second Page</title>
  </head>
  <body>
    <h1>The second page title</h1>
    <p>
      Suspendisse commodo mauris eu lobortis ornare.
      Fusce varius, massa efficitur scelerisque fringil-
      sem risus placerat lacus, at imperdiet quam dui
      Sed non aliquet elit.
    </p>
  </body>
</html>
```

# The firstpage.html in a Browser



The text for <a> element and linked to the secondpage.html

# CSS External Style Sheet



```
# style_firstpage.css
C: > Users > sbrs639 > OneDrive - City, University of London > Documents > City > Course > Modules >
1 p {
2     color: green;
3     font-style: italic;
4 }
5
```

Restricted Mode

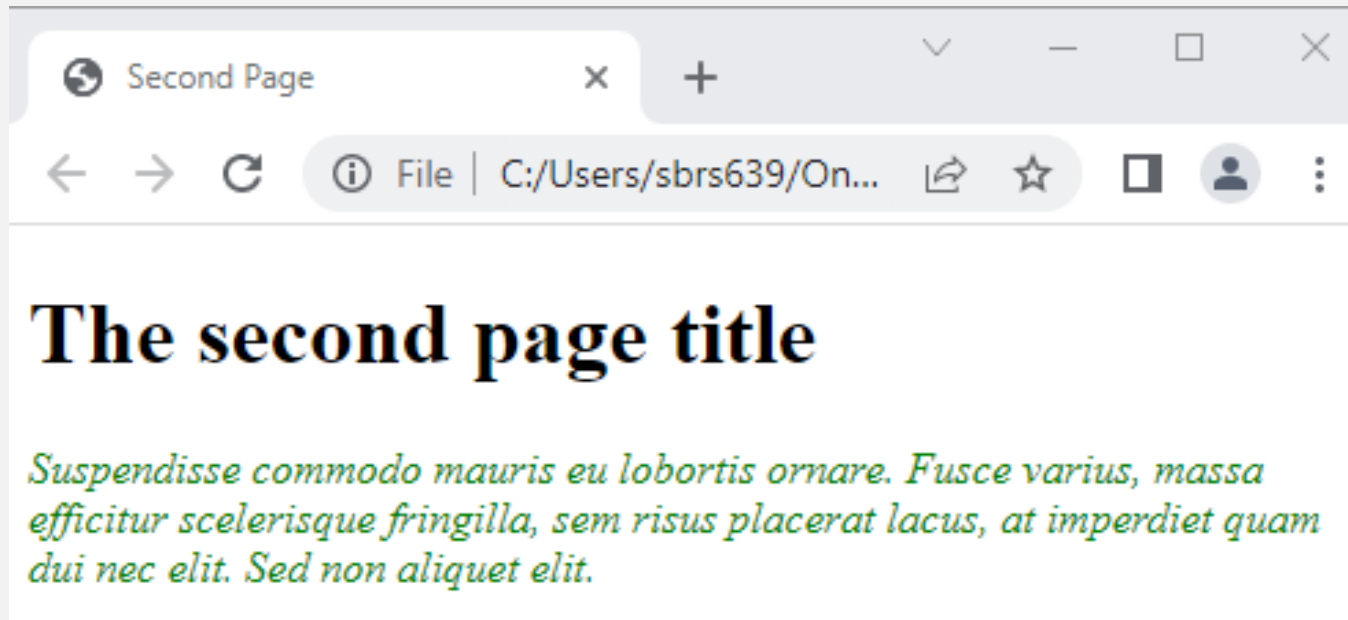
Ln 5, Col 3 Spaces: 2 UTF-8 CRLF CSS

# Linking an External Style Sheet to a Second Page

- The <link> element used inside the HTML page
- The value of href attribute is the file name for the CSS external style sheet

```
<html lang="en">
  <head>
    <title>Second Page</title>
    <link rel="stylesheet" type="text/css" href="style_page.css">
  </head>
  <body>
    <h1>The second page title</h1>
```

# The secondpage.html run in a browser



# Try It Yourself

**In this activity you will practice how to use the `<a>` and link two html files to one external style sheet.**

- 1. Open a new blank page in your Editor to create `secondpage.html`**
- 2. In `firstpage.html` created in week 1 add a link to the `secondpage.html`**
- 3. Ensure every time you make any changes to HTML file it is saved then run in your browser**
- 4. You should be able to click on a link from `firstpage.html` to access `secondpage.html`**

## Try It Yourself (cont.)

5. Make sure you have `style_page.css` file in the same location as `firstpage.html` and `secondpage.html`
6. Open `secondpage.html` in your Editor and add the `<link>` element inside `<head>`. Make sure the value for attribute `href` is `style_page.css`
7. Save and run the page in your browser. You should be able to see the changes to the text in the paragraph