



Las Pinas City National Science High School

Grade 9

Third Quarter

Lesson 3





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Learning Objectives:

- **List the different properties and its corresponding values.**
- **Identify the different CSS properties in improving webpage appearance.**



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Inline Styles

We can define the style for a single element using the *style* attribute. There are various tags that have the *style* attribute and that said line would be its value.

```
<!DOCTYPE html>
<html>
<head>
<title>INLINE styles</title>
</head>
<body>
<p>This is the 1st paragraph.</p>
<p>This is the 2nd paragraph.</p>
<p style="font-family:Arial; color:red;">
This is the 3rd paragraph.
</p>
</body>
</html>
```

This is the 1st paragraph.

This is the 2nd paragraph.

This is the 3rd paragraph.

Note:
This is an Inline
style because it is
exactly located
where the content is



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Embedded Styles

These are defined by the container tag `<style></style>` and placed within the head part of the HTML file. It provides style to the WHOLE html file.



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Attribute Table for `<style></style>`

Attribute name	Definition	Values
type	Indicates the type of style. Ex. <code><style type="text/css">...</style></code>	text/css



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Inline styles are put on the exact tag where the style will be implemented while embedded styles take rather a different approach since it is a document-wide style.


```
<!DOCTYPE html>
<html>
<head>
<title>Embedded styles</title>
```

```
<style type="text/css">
  p {font-family:Comic Sans MS; color:green;}
</style>
```



Embedded Style

```
</head>
<body>
<p>This is the 1st paragraph.</p>
<p>This is the 2nd paragraph.</p>
<p>This is the 3rd paragraph.</p>
</body>
</html>
```

This is the 1st paragraph.

This is the 2nd paragraph.

This is the 3rd paragraph.

All of the paragraphs are affected by the style within the document of the embedded style sheet



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Notice that the attributes are encased within curly braces. The open brace has a p (representing `<p></p>`, hence, called as selectors) before it, signifying that all attributes within from the open brace (closest to it) up to the next closing brace will be affecting all the paragraphs (or contents encased in `<p></p>` in the whole html file.

```
<!DOCTYPE html>
<html>
<head>
<title>Embedded styles</title>
<style type="text/css">
  h1 {color:blue;}
</style>
</head>
<body>
<h1>Cascading Style Sheets</h1>
<p>Embedded style sheets are used when you have a page that you want to
present in a different style from the other pages.</p>
</body>
</html>
```


Cascading Style Sheets

Embedded style sheets are used when you have a page that you want to present in a different style from the other pages.



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Linked Styles

- made outside the html file
- uses the `<link>` element, the `<link>` element allows you to establish document relationships
- the `<link>` element tells the browser to find the specified style sheet
- it can only be used within the `<head></head>` section of the document



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Linked Styles

- the style sheet file does not contain any HTML code, it contains only style rules; in order for it to take effect, it needs to be linked
- just like html file, it can be written in any text editor then saved with a file extension of .css, remember to change the file type to All Files.

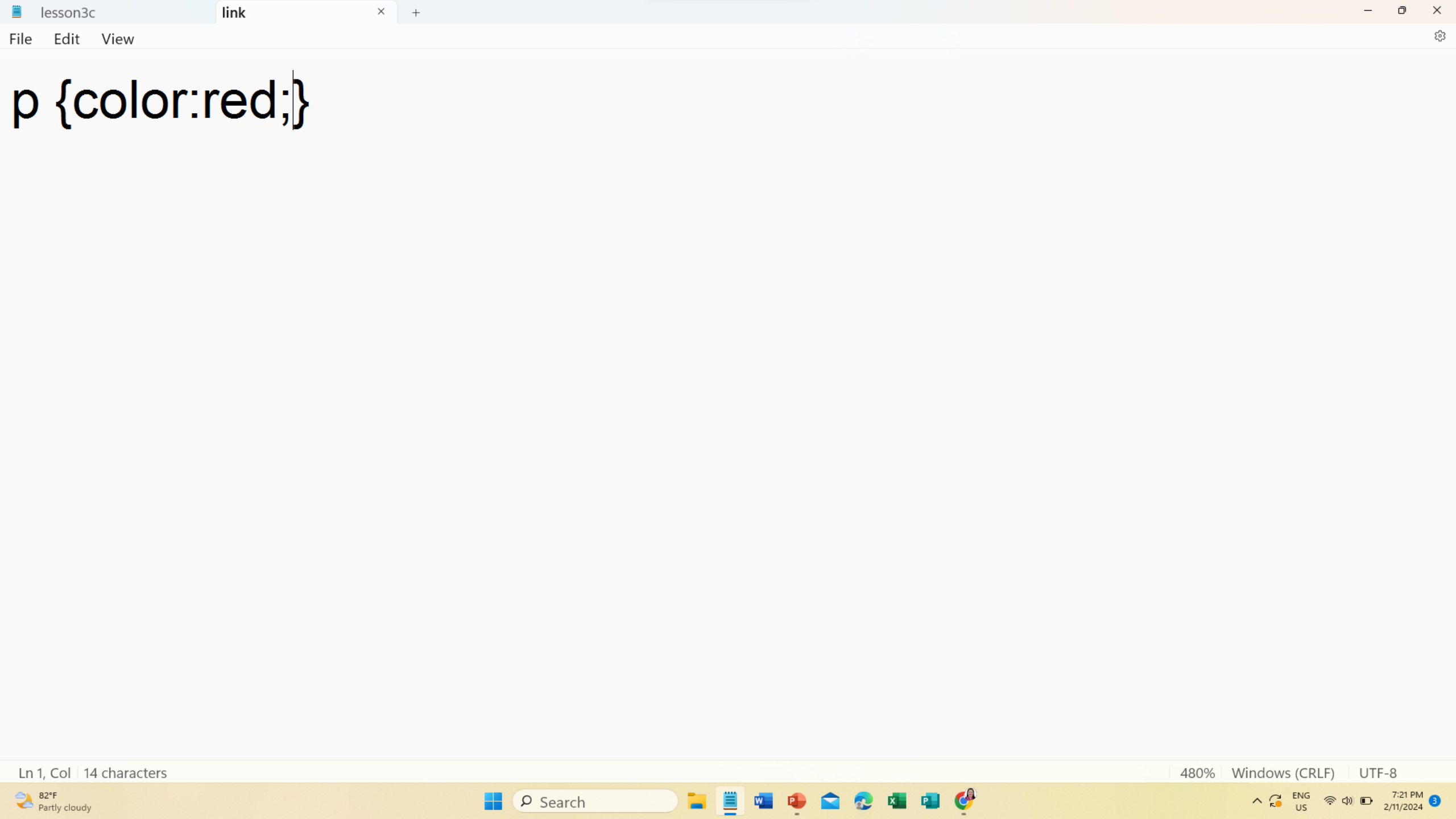


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Creating an External CSS file

The following steps will allow you to create and text a basic style sheet. Save your file and test or view your output in a browser.

- 1. Open a blank document in Notepad.**
- 2. Type the style you want to define.**
- 3. On the Menu Bar, click File and click Save.**
- 4. Type your filename with a file extension .css and change the file type to all files.**



```
lesson3c link
File Edit View
p {color:red;}
Ln 1, Col 14 characters 480% Windows (CRLF) UTF-8
82°F Partly cloudy Search 7:21 PM 2/11/2024 3
```

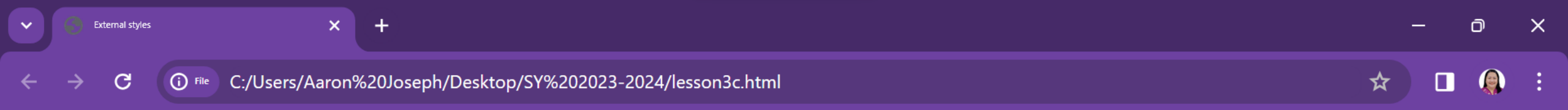


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Linking CSS file to HTML file

1. After creating your CSS file, open your HTML file.
2. Type the following inside the HTML file: `<link rel="stylesheet" href="linked.css" type="text/css">`
3. Save your HTML file.

```
<!DOCTYPE html>
<html>
<head>
<title>External styles</title>
<link rel="stylesheet" href="link.css" type="text/css"/>
</head>
<body>
<p><font size="5">Creative design CSS contains Adobe Photoshop, Illustrator,
InDesign and Acrobat. The book aims to educate the students in creating,
designing and editing graphics using the different software that may work
relatively. The book targets both knowledge and applications toward specific
output that would basically develop skills towards a career.</font></p>
</body>
</html>
```

Creative design CSS contains Adobe Photoshop, Illustrator, InDesign and Acrobat. The book aims to educate the students in creating, designing and editing graphics using the different software that may work relatively. The book targets both knowledge and applications toward specific output that would basically develop skills towards a career.



```
p {color:white;}  
p{background-color:black;}
```

```
<!DOCTYPE html>
<html>
<head>
<title>External styles</title>
<link rel="stylesheet" href="link2.css" type="text/css"/>
</head>
<body>
<p><font size="5">Creative design CSS contains Adobe Photoshop, Illustrator,
InDesign and Acrobat. The book aims to educate the students in creating,
designing and editing graphics using the different software that may work
relatively. The book targets both knowledge and applications toward specific
output that would basically develop skills towards a career.</font></p>
</body>
</html>
```


Creative design CSS contains Adobe Photoshop, Illustrator, InDesign and Acrobat. The book aims to educate the students in creating, designing and editing graphics using the different software that may work relatively. The book targets both knowledge and applications toward specific output that would basically develop skills towards a career.



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Grouping Selectors

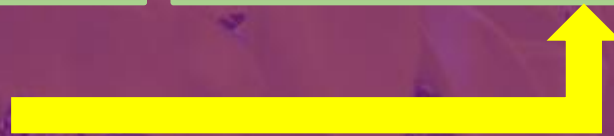
You can group selectors and combine it in one CSS file. Each selector should be separated by a comma.

Example code:

```
h1{color:blue;}  
p{color:blue;}  
p{background-color:black;}
```

```
h1,p{color:blue;}  
p{background-color:black;}
```

Can be minimized to:





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Nesting Selectors

You can also apply a style for a selector within a selector.

```
p{color:red;  
  text-align:center;}  
.style{background-color:green;}  
.style p{color:white;}
```