Grade 9
1st Quarter
Lesson 4

SELECTORS, DIV, SPAN AND LINK

Display Property

CSS display property allows you to control how an element is displayed. Block level element is laid out vertically. A new paragraph begins with a new line after the end of another paragraph.

Block Level Elements

The p element is an example of a block level element. Each new paragraph tag will appear on its own line vertically. Paragraphs with longer content will stretch all the way to the edge of the page.

Examples of block level elements:

- \<p>
- \<ol>, \<ul>, \<dl>
- All headings
- \<article>, \<section>, \<div>

Inline level elements

Inline level element is laid out horizontally and will only proceed to the next line when the end of the line is reached. Inline elements display in a line. They do not force the text after them to a new line.

An anchor (or link) is an example of an inline element. You can put several links in a row, and they will display in a line.

Examples of inline elements:

• <a>, <span>
• <strong>, <em>, <b>, <i>, <q>, <mark>

Property for Display

Property	Keyword	Description
display:	inline	Inline display or horizontal layout
display:	block	Block display or vertical layout
display:	list-item	Display as a list item
display:	none	No box or the element has no effect on the layout
display:	inherit	Inherit value from parent

display.txt

File　　Edit　　View

```
<!DOCTYPE html>
<html>
<head><title>Display Property</title>
<style type="text/css">
p.violet{color:violet;}
h1#brown{color:brown;}
</style>
</head>
<body>
<h1 id="brown">Why I love Coding</h1>
<p class="violet">There is a certain excitement and
                  fullfilment everytime I get a working output</p>
<p class="violet">The challenge and the troubleshooting makes
                  me want to do more and keep on coding</p>
<p>I don't know what's with coding that I really crave for more!</p>
</body>
</html>
```

C:/Users/MaryGraceUminga/Desktop/Grade%209%20files/Notepad%20files/2nd%20qtr/display.html

Why I love Coding

Browser Output

There is a certain excitement and fullfilment everytime I get a working output

The challenge and the troubleshooting makes me want to do more and keep on coding

I don't know what's with coding that I really crave for more!

File   Edit   View

```
<!DOCTYPE html>
<html>
<head><title>Display Property</title>
<style type="text/css">
p.violet{color:violet;}
h1#brown{color:brown;}
p{display:inline;}
</style>
</head>
<body>
<h1 id="brown">Why I love Coding</h1>
<p class="violet">There is a certain excitement and
                  fullfilment everytime I get a working output</p>
<p class="violet">The challenge and the troubleshooting makes
                  me want to do more and keep on coding</p>
<p>I don't know what's with coding that I really crave for more!</p>
</body>
</html>
```

Sample Code:

C:/Users/MaryGraceUminga/Desktop/Grade%209%20files/Notepad%20files/2nd%20qtr/display2.html

Why I love Coding

There is a certain excitement and fullfilment everytime I get a working output The challenge and the troubleshooting makes me want to do more and keep on coding I don't know what's with coding that I really crave for more!
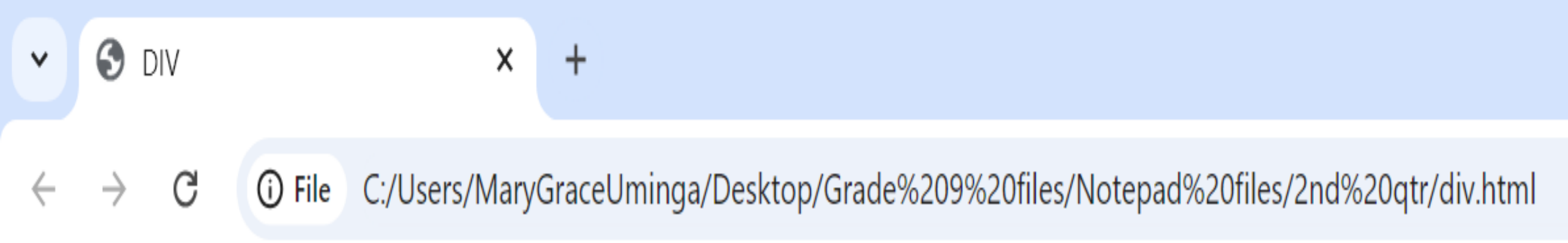
Browser Output

Div Tag

Div divides the contents of a web page into individual sections. Div tag allows you to apply style to different sections of your Web page. It is a generic way of adding structure to an HTML document. Div tag is a block element and is therefore usually applied to block HTML and should not be used within a paragraph. In most browsers, a div tag will provide line spacing before and after a block element.

TLE ICT DEPT.

```
<!DOCTYPE html>
<html>
<head><title>DIV</title>
<style type="text/css">
p.violet{color:violet;}
h1#brown{color:brown;}
.background{background-color:yellow; font-weight:bold;}
</style>
</head>
<body>
<h1 id="brown">Why I love Coding</h1>
<div class="background">
<p class="violet">There is a certain excitement and
                  fullfilment everytime I get a working output</p>
<p class="violet">The challenge and the troubleshooting makes
                  me want to do more and keep on coding</p>
</div>
<p>I don't know what's with coding that I really crave for more!</p>
</body>
</html>
```

Sample Code:

C:/Users/MaryGraceUminga/Desktop/Grade%209%20files/Notepad%20files/2nd%20qtr/div.html

Browser Output

Why I love Coding

There is a certain excitement and fullfilment everytime I get a working output

The challenge and the troubleshooting makes me want to do more and keep on coding

I don't know what's with coding that I really crave for more!

Span Tag

Span tag is a generic way of adding structure to an HTML document. Span is applied to an inline element. It is used to emphasize words or sentences within a paragraph.

```
<!DOCTYPE html>
<html>
<head><title>SPAN</title>
<style type="text/css">
p.blue{color:blue;}
h1#red{color:red;}
.backgnd{background-color:#cef542; font-weight:bold;}
.txtcol{color:blue;}
</style>
</head>
<body>
<h1 id="red">Harry Potter</h1>
<div class="backgnd">
<p class="blue">The Sorcerer's Stone</p>
<p class="blue">The Chamber of Secrets</p>
</div>
<p>The Prisoner of Azkaban<span class="txtcol"> and </span>The Goblet of Fire</p>
</body>
</html>
```

Sample Code:

File C:/Users/MaryGraceUminga/Desktop/Grade%209%20files/Notepad%20files/2nd%20qtr/span.html

Harry Potter

The Sorcerer's Stone

The Chamber of Secrets

The Prisoner of Azkaban and The Goblet of Fire

Browser Output

Span and Div

Span and Div tags do not have default styling information. If you want to change the style or formatting of the line or block covered by the tag, you need to specify an attribute to affect the desired style.

TLE
ICT
DEPT.

Span and Div

Most HTML tags apply formatting just like the tags for heading, lists and others, but there are some that do not have any specific effect, namely, the container tags and <div><div> but are actually used quite extensively in conjuction with CSS.

TLE ICT DEPT.

Span and Div

Span and Div tags are used to format a part of the content by usually using CSS. The general difference between and <div></div> is that <div></div> has line breaks before and after it. Usually the is used for small chunks of code while the <div></div> are for larger ones.

TLE ICT DEPT.

Attribute for and <div></div>

Attribute	Definition	Values
Class	Indicates the CSS style to be applied. Ex: <div class="Style1"></div>	CSS class name

spandiv.txt

```html
<!DOCTYPE html>
<html>
<head><title>SPAN & DIV</title>
<link rel="stylesheet" href="potter.css" type="text/css">
</head>
<body>
<div class="Potter1">
<p><font size="4">In the novels, Harry is described as having his father's perpetually untidy black hair, his mother's bright green eyes, and a lightning bolt-shaped scar on his forehead. He is short and skinny for his age, with a thin face and "knobbly" knees, and he wears Windsor glasses.
<span class="Potter2">When asked about the meaning behind Harry's scar, Rowling said she wanted him to be "physically marked by what he has been through". </span>
She said the scar is <span class="Potter2">"an outward expression of what he has been through inside".
</span> Rowling also said that Harry's glasses are the clue to his vulnerability.  Harry eventually grows taller, and by the final book is almost the height of his father, and is described as tall by other characters.
</font></p>
</div>
</body>
</html>
```

potter.css

```css
.Potter1{border:dotted blue; font-family:Verdana; font-size:14px; width:600px;}
.Potter2{font-family:Courier New; font-size:14px; font-weight:bold;color:red;}
```

In the novels, Harry is described as having his father's perpetually untidy black hair, his mother's bright green eyes, and a lightning bolt-shaped scar on his forehead. He is short and skinny for his age, with a thin face and "knobbly" knees, and he wears Windsor glasses. When asked about the meaning behind Harry's scar, Rowling said she wanted him to be "physically marked by what he has been through". She said the scar is Rowling also said that Harry's glasses are the clue to his vulnerability. Harry eventually grows taller, and by the final book is almost the height of his father, and is described as tall by other characters.

Browser Output

What are Classes?

A class is a user-defined selector. You can create a class to apply a style rule to specific HTML tags. Using CSS class, you can control individual HTML element formatting.

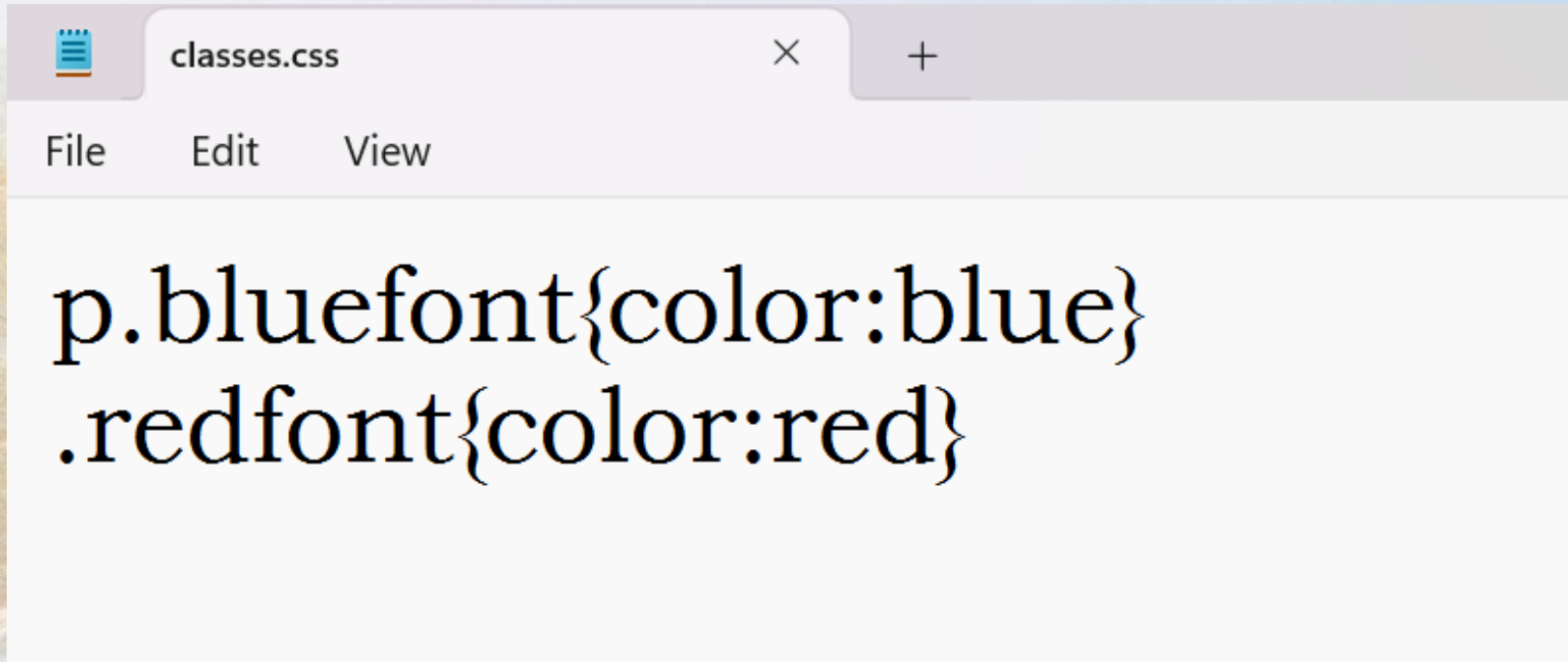Ex. You can create a class only for the paragraphs to which you have assigned the class.

Classes

Classes are defined by dots (.).
Methods for writing class:
1. Indicating the HTML element followed by a dot then followed by the class name (any name you want for it).
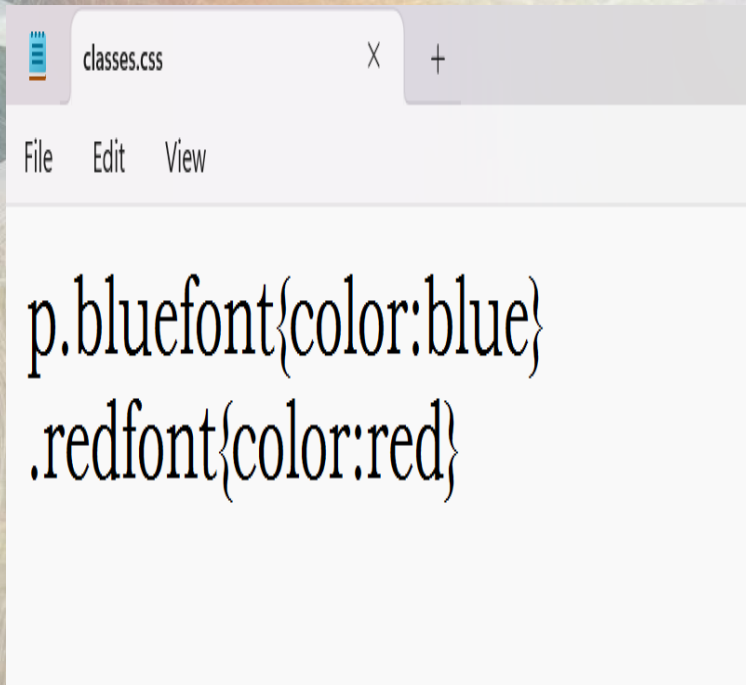2. Writing the class name preceded by the dot.

Classes


```
classes.css                    ×    +

File    Edit    View


p.bluefont{color:blue}
.redfont{color:red}
```

The sample shown above is a CSS file that shows classes. The first style is written using the 1st method while the 2nd style is written using the 2nd method.

Classes

classes.css

File Edit View

p.bluefont{color:blue}
.redfont{color:red}

The 1st one (p.bluefont) is a style that can only be used on paragraphs while the second one (.redfont) can be used on any HTML element. This shows the difference between the two methods of writing classes.

Classes

A class must be called on the HTML file for it to be used.

How is it done?

You can call classes by putting the **class** attribute in the tag you want to style and the class name as its value. The bluefont is the class name of **p.bluefont** and **redfont** is the class name of .redfont.

Class Selector

Class selector is a style applied to a particular set of elements.

```
<!DOCTYPE html>
<html>
<head><title>Harry Potter</title>
<style type="text/css">
p.blue{color:blue;}
</style>
</head>
<body>
<h1>Harry Potter Books</h1>
<p class="blue">The Sorcerer's Stone</p>
<p class="blue">The Chamber of Secrets</p>
<p>The Prisoner of Azkaban</p>
</body>
</html>
```

classselector.html

File   Edit   View

Harry Potter   X   +

File   C:/Users/MaryGraceUminga/Desktop/Grade%209%20files/Notepad%20files/2nd%20qtr/classselector.html

Harry Potter Books

The Sorcerer's Stone

The Chamber of Secrets

The Prisoner of Azkaban

ID Selector

ID selector is a style applied to one element in a page. It is normally used once, usually in a page title or the navigation part of the page. ID selector is defined by the **"#"** and uses the **id** attribute of the HTML element.

Note: It is not advisable to start an id selector with a number because some browsers do not support it.

TLE ICT DEPT.

File   Edit   View

```
<!DOCTYPE html>
<html>
<head><title>Harry Potter</title>
<style type="text/css">
p.blue{color:blue;}
h1#violet{color:violet;}
</style>
</head>
<body>
<h1 id="violet">Harry Potter Books</h1>
<p class="blue">The Sorcerer's Stone</p>
<p class="blue">The Chamber of Secrets</p>
<p class="blue">The Prisoner of Azkaban</p>
<p>The Goblet of Fire</p>
<p>The Order of the Phoenix</p>
<p>The Half-Blood Prince</p>
</body>
</html>
```

Ln 16, Col 29 | 420 characters

PSEI index
+0.93%

Search

Sample Code:

Browser output

Harry Potter

C:/Users/MaryGraceUminga/Desktop/Grade%209%20files/Notepad%20files/2nd%20qtr/idselector.html

Harry Potter Books

The Sorcerer's Stone

The Chamber of Secrets

The Prisoner of Azkaban

The Goblet of Fire

The Order of the Phoenix

The Half-Blood Prince

Assignment: Practice coding...recitation and hands-on will follow after the discussion.

TLE ICT DEPT.