**-----------------------------------------------------------------------------------------**

Day 1, HTML,

**HTML**

* **HTML Tags:**

Tags are the starting and ending parts of an HTML element. They begin with < symbol and end with > symbol. Whatever written inside < and > are called tags.

**Example:**

<b> </b>

* **HTML Elements:**

**Elements enclose the contents in between the tags. They consist of some kind of structure or expression. It generally consists of a start tag, content and an end tag.**

**Example:**

**<b>This is the content.</b>**

**O/p,**

**This is the content**

**Where, <b> is the starting tag and </b> is the ending tag.**

* **HTML Attributes:**

**It is used to define the character of an HTML element. It always placed in the opening tag of an element. It generally provides additional styling (attribute) to the element.**

**Example:**   
  **<p align="center">This is paragraph.</p>**

**o/p,**

**This is paragraph.**

|  |  |
| --- | --- |
| Tags | Details |
| <!DOCTYPE html> | For the HTML file extension.  (Only this tag should be in the 1st line of the code of the HTML file) |
| <html> | It represent root of an HTML document. |
| <head> | It defines the head section of an HTML document. |
| <title> | It defines the title or name of an HTML document. |
| <body> | It is used to define the body section of an HTML document. |
| <h1> to <h6> | It defines heading for an HTML document from level 1 to level 6 |
| <hr> | It is used to apply horizontal line. |
| <p> | It is used to print paragraph in webpage. |
| <b> | It is used to make text bold. |
| <i> | It is used to make text italic. |
| <small> | It is used to make text font one size smaller than document’s base font size. |
| <sup> | It defines a text which represent as superscript text. (10 2) 10 <sup>2</sup> |
| <sub> | It defines a text which displays as a subscript text. (10 2 ) 10 <sub>2</sub> |
| <ul> | It defines unordered list of items. |
| <ol type = “1”> | It defines ordered list of items. |
| <li> | It is used to represent items in list. |
| <br> | It is used to break the line. |
| [<a>](#To_add_imeage_in_the_webpage) | It is used to link webpage or document. |
| <img> | It is used to insert image in webpage. |
| <video> | It is used to insert video in webpage. |
| <iframe> | Imbed (to show other video in our website) / (To link other vedio in our website) |
| <table> | It is used to insert table in our website. |

**HTML Tags,**

Note:

Use HTML entities to print tags in web page. (Use Google to find out entities.)

Use Lorem word to print random paragraph.

**-----------------------------------------------------------------------------------------**

Day 2, HTML,

* **Moving into File location,**
  + **File in the same folder,**

Just write file name.

* + **Moving into the folders,**

Write folder name then slash (/) then file name.

* + **Moving out the folder,**

Use ../

e.g,

Use ../ (out of 1 folder), ../../ (out of 2 folders).

* **To link Webpage (Hyperlink in website),**
  + **To link external webpage,**

<a href = "https://www.google.com" target="\_blank">Google</a>

(target=”\_blank”) this keyword is used to open link in new website.

* + **To link other webpage of same website**,

<a href="hello\_world.html">Home</a> (if file is in same directory)

* + **To link document,**

<a href="Web Development Notes.docx" target="\_blank" rel="noopener noreferrer">Web Development Notes</a>

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Day 3, HTML,

* **<img> tag,**

<img> tag is used to insert image in webpage.

e.g. <img src="Images/love wallpaper for mobile download.jpg" alt="Image didn't load...." width="1500">

* **<video> tag,**

<video src="Videos/Menu meetha bahut pasand hai.mp4" width="500" controls autoplay muted></video>

Attributes of video tag,

* + - autopaly mute (mute attribute need to use with autoplay in chrome.)
    - controls
    - width
    - loop
    - muted
    - poster
* **Video imbed (<iframe> tag)**

Click on share button of video and select imbed option. Copy all code which is given and paste in to html document.

* **<table> tag,**
  + **<table></table>**

It is used to insert table in website.

* + **<thead></thead>, <th></th>,**

Those are used to give heading to the tag.

* + **<tr></tr>,**

It is used to insert table row in website.

* + **<tbody></tbody>,**

It is used to write table’s body in website.

* **<td></td>,**

It **i**s used to write data of table.

* **<th colspan=””></th>,<th rowspan=””></th>,**

These attributes are used to combine rows and columns.

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Day 4, HTML,

* **Web Form,**
  + **Attributes in form,**
    - Method
    - Action

E.g.

<form action=" "> <!--for the form -->

         <h1>Payment Form</h1>

         <p>Required Fileds are followed by \*</p>

         <h2>Contact Information</h2>

         <p>Name: \* <input type="text" name="name" required></p> <!--To input the name-->

         <fieldset> <!-- To group fields-->

             <legend>Gender \*</legend> <!--field name -->

            <p> <!--Radio buttons-->

                Male <input type="radio" name="gender" id="Male" required>

                Female <input type="radio" name="gender" id="Female" required>

            </p>

        </fieldset>

        <p> Address: \*<textarea name="address" id="address"cols="100" rows="8"required></textarea></p><!—Address textbox-->

        <p>Email: \* <input type="email" name="email" id="email" required></p><!--Email-->

        <p>pincode: \* <input type="number" name="pincode" id="pincode" required></p> <!--Pincode-->

        <hr>

        <h2>Payment Information</h2>

<p>

            Card Type: \*

            <select name="card\_type" id="card\_type" required> <!--Selecting card type (for drop down menu)-->

                <option value="">--Select a Card Type--</option>

                <option value="visa">Visa</option>

                <option value="rupay">Rupay</option>

                <option value="mastercard">Mastercard</option>

            </select>

        </p>

        <p>

            Card Number \* <input type="number" name="card\_number" id="card\_number" required> <!--Card no-->

        </p>

        <p>

            Expiration Date: \* <input type="date" name="Exp\_date" id="Exp\_date" required><!--Exp date-->

        </p>

        <p>

            CVV: \* <input type="password" name="CVV" id="CVV" required> <!--CVV-->

        </p>

        <input type="submit" value="Pay Now"> <!--Pay Now button-->

    </form>

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Day 5, HTML,

* **HTML, Structuring a Mega Project,**
  + **Semantic Tag,**

Tags which clearly defines the Content

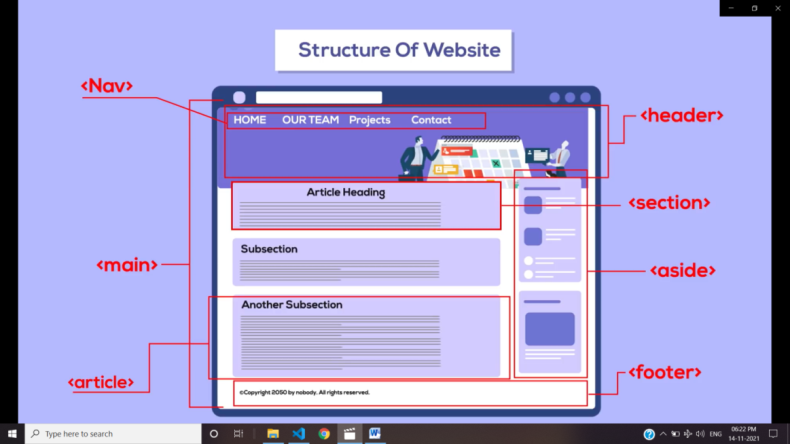
<h1> ---------------------------------- Used to show important text.

<h6> ----------------------------------- Used to show less important text.

<Nav> --------------------------------- Used to show navigation information of webpage.

<div> -----------------------------------

<span> ---------------------------------

 E.g.

**-----------------------------------------------------------------------------------------**

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Day 1, CSS,

**CSS**

* **Syntax of CSS,**

**Property :**

Predefined values:

Values are defined by libraries.

User defined values:

Values are defined by user.

Property : Values

Color : green

font-family : “Times New Roman”, serif:

text-aling : center

* **Link CSS in HTML,**
  + **3 Ways to add CSS,**
    - **Inline,**

To give style inside HTML tag.

e.g,

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>CSS Link CSS to HTML doc</title>

<style> h2 {color: brown;} </style>

</head>

<body>

    <hr>

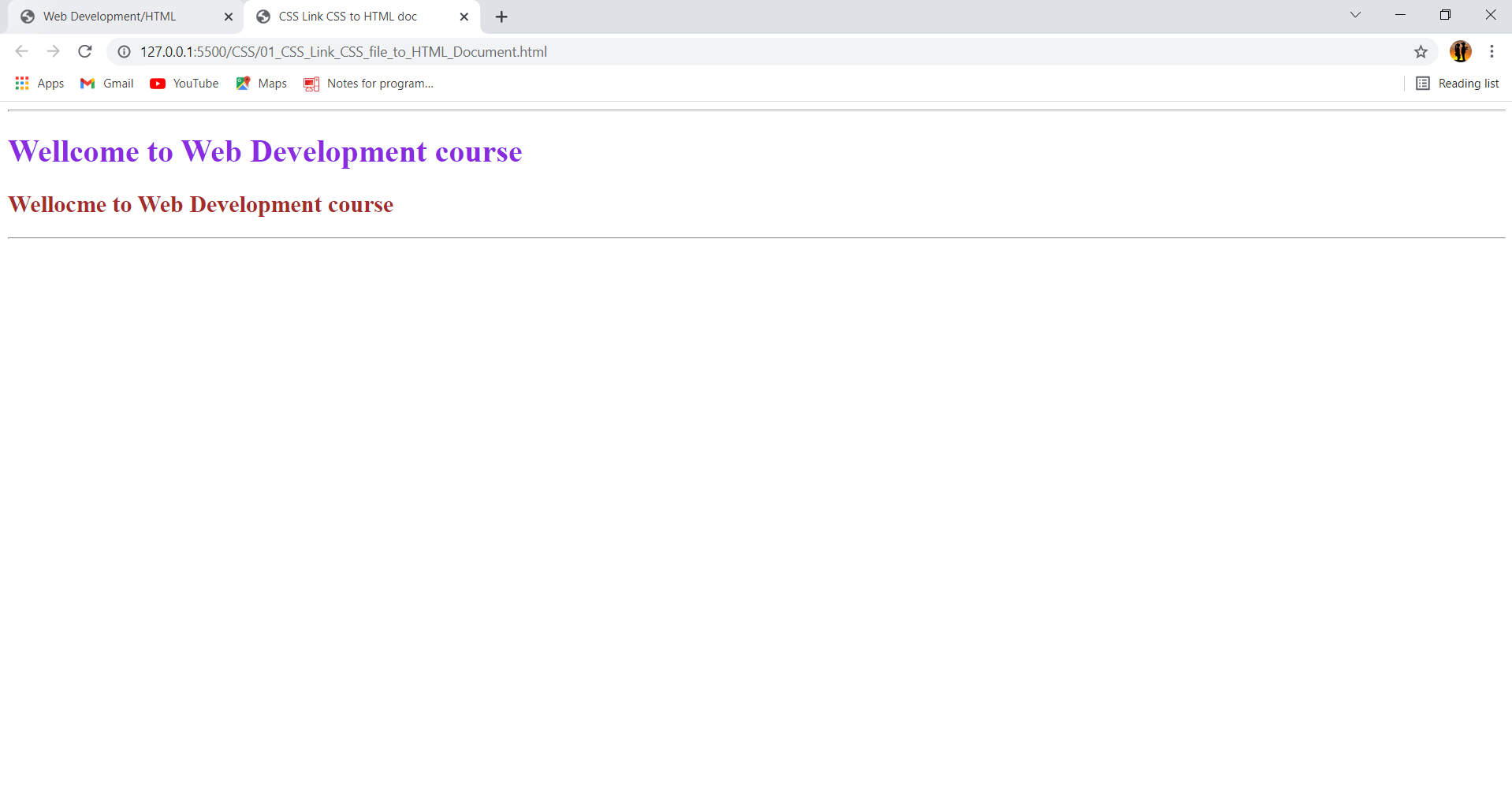
    <h1 style="color:blueviolet">Wellcome to Web Development course</h1>

    <hr>

</body>

</html>

o/p,

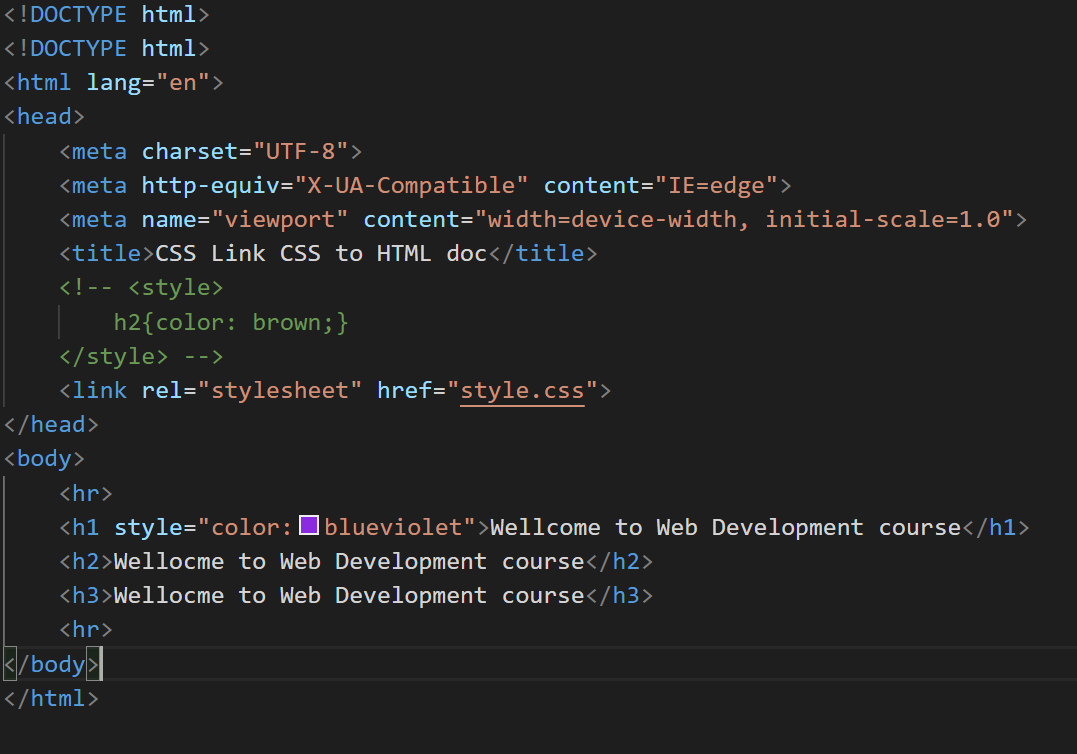


* + - **External**

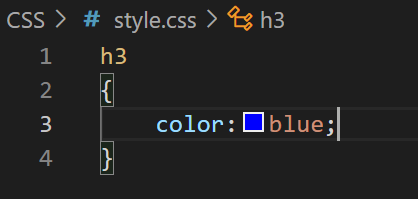
Create separate CSS file and link it to HTML file.

e.g.

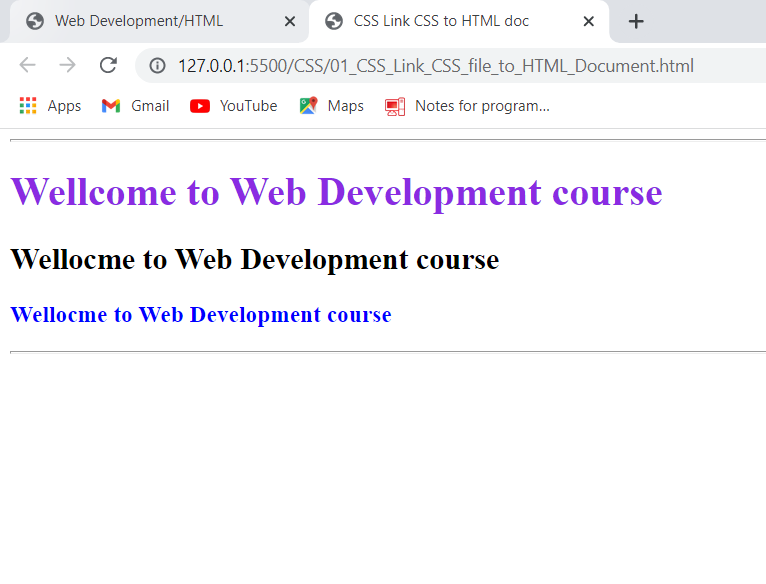
**HTML doc,**



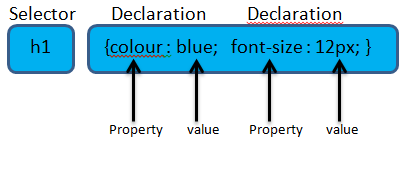
**CSS doc,**

****

**o/p,**

****

* + - * **Selectors,**
        + Syntax,



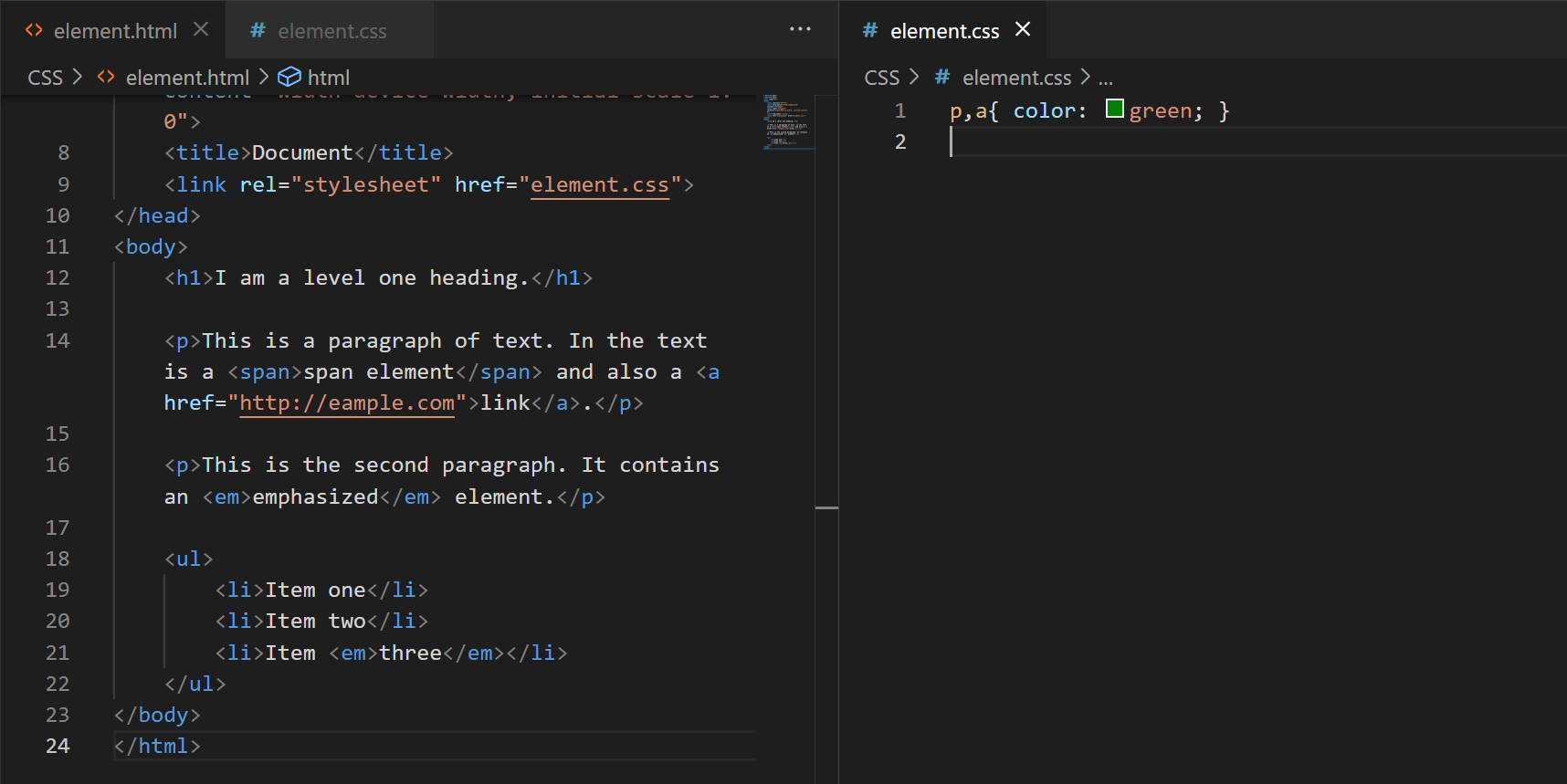
* + - * + **Combined Selector,**

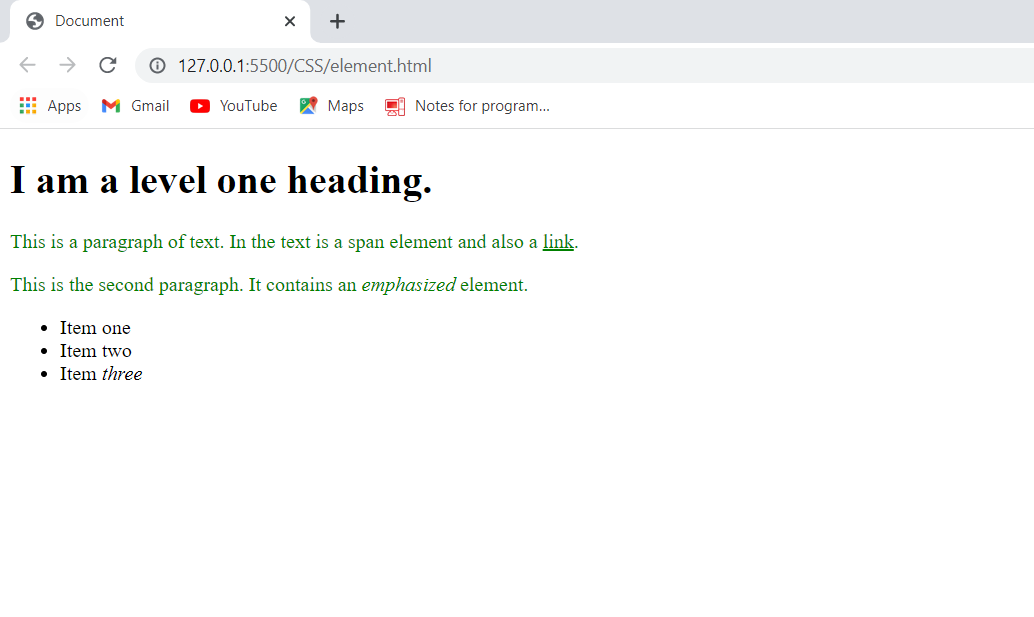
To give same style more than one element instead of typing more than one time we can write in one line. Type selector’s name and then comma and then other selector name and then in the curly brackets write properties and value of selectors.

e.g. 1,

h1,p,span

{color : purple;}

 e.g. 2,



* + - * + **Type Selectors,**

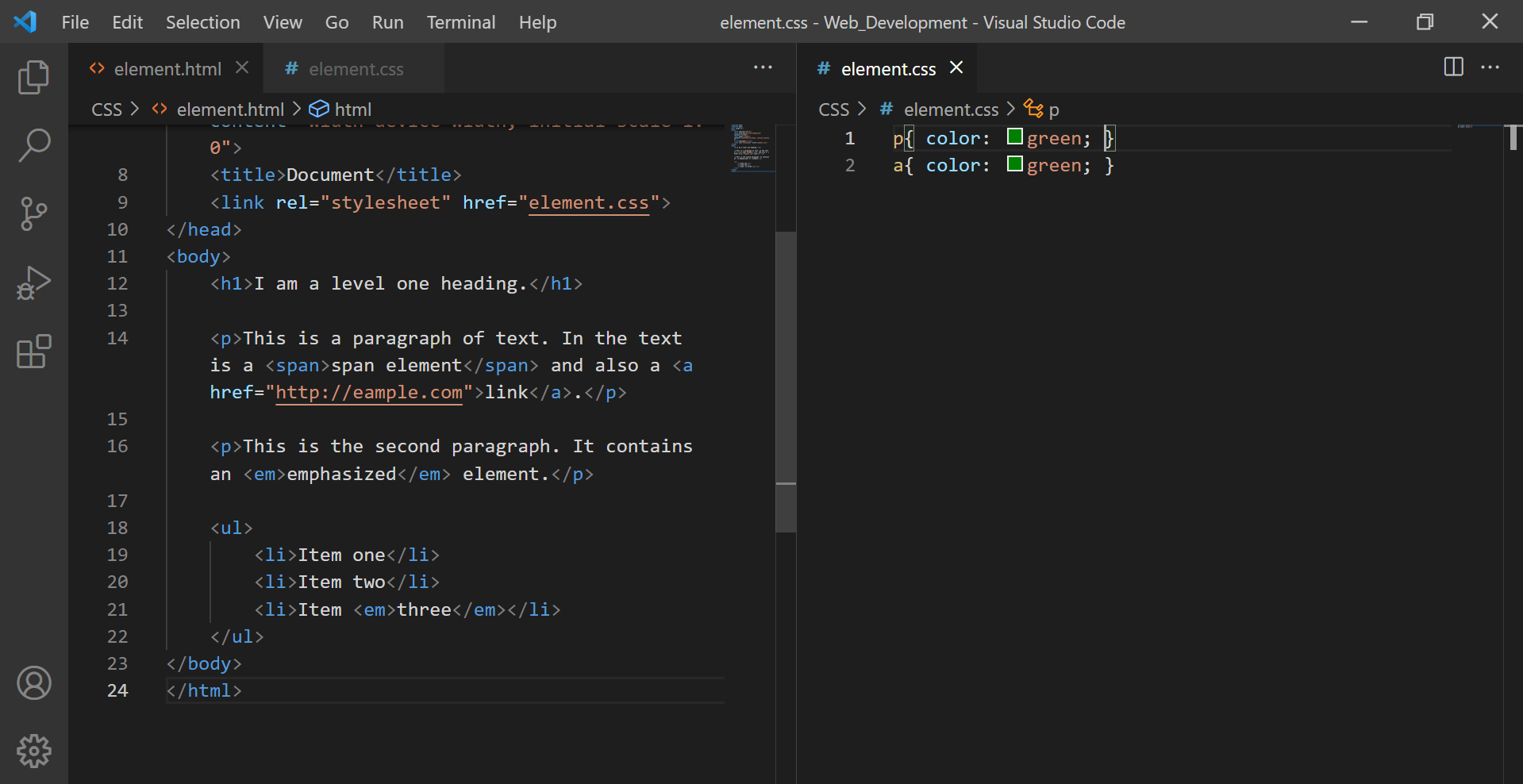
Used to select tab, write tab name and then writer properties and values inside curly brackets.

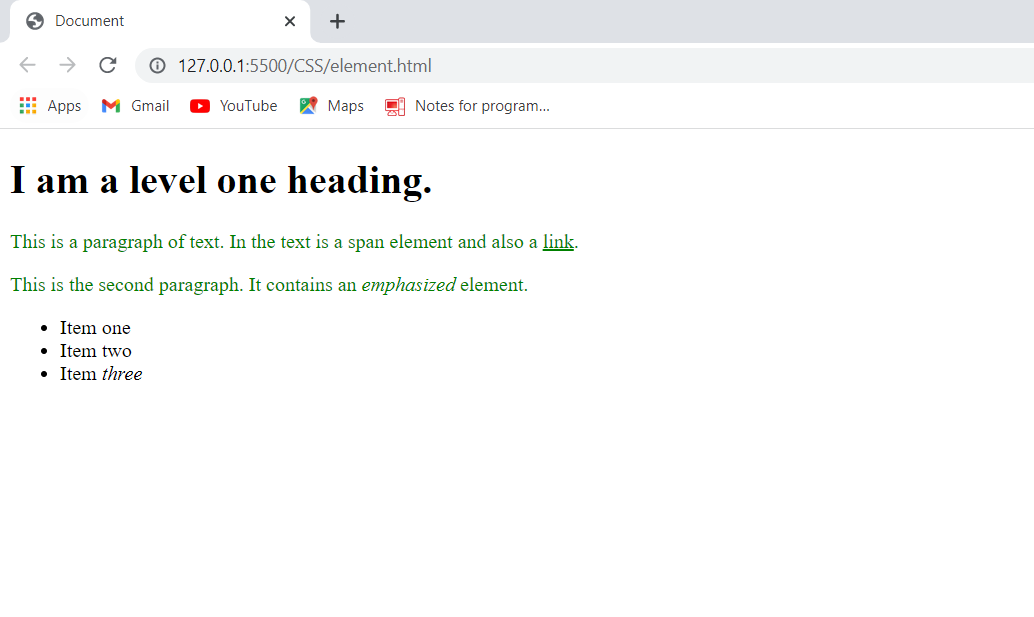
e.g.1,

<h1> Namaste World!!!!</h1>

h1 { Property value; }

e.g.2,





* + - * + **Class Selector,**

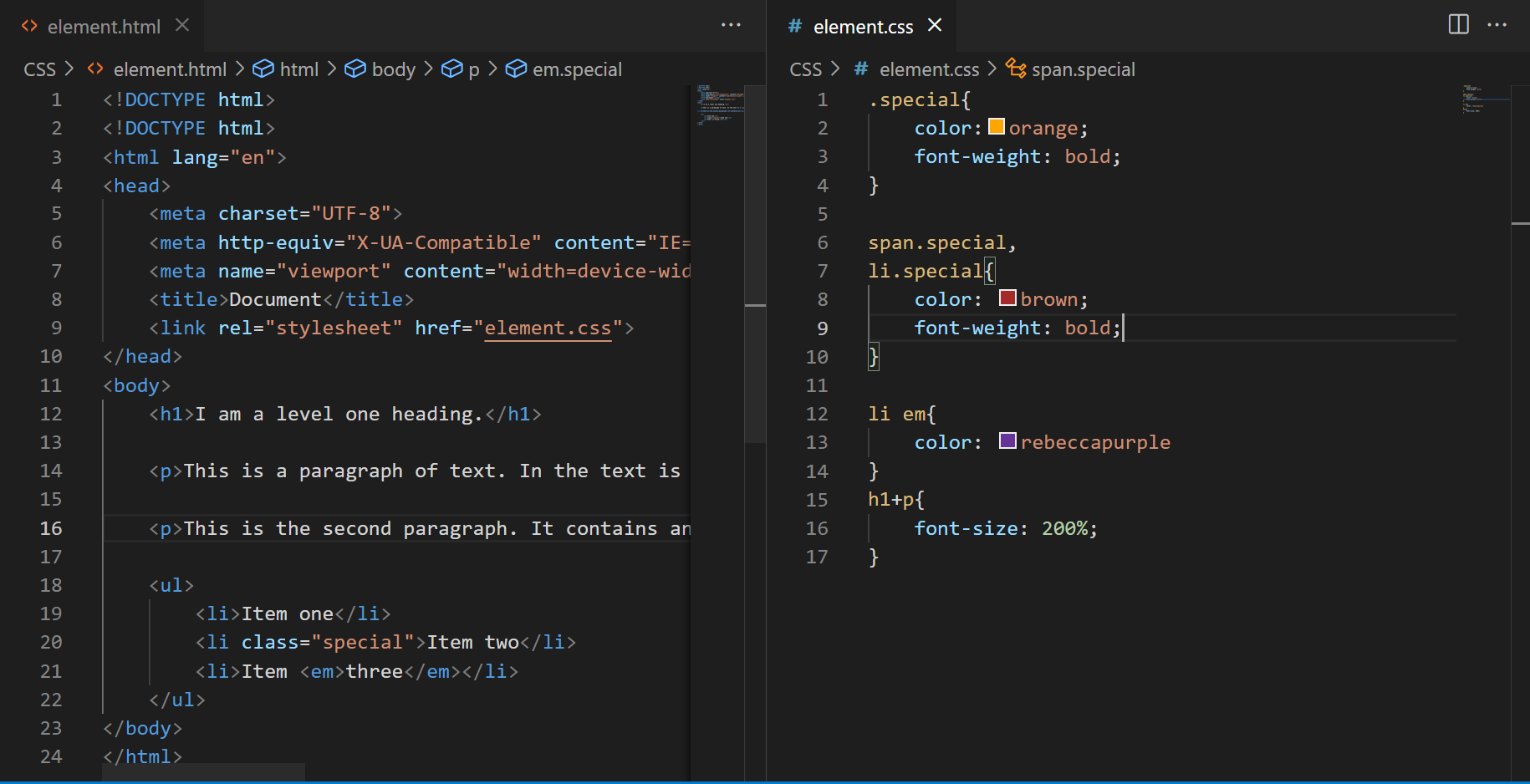
We can give class and Id to every elements.

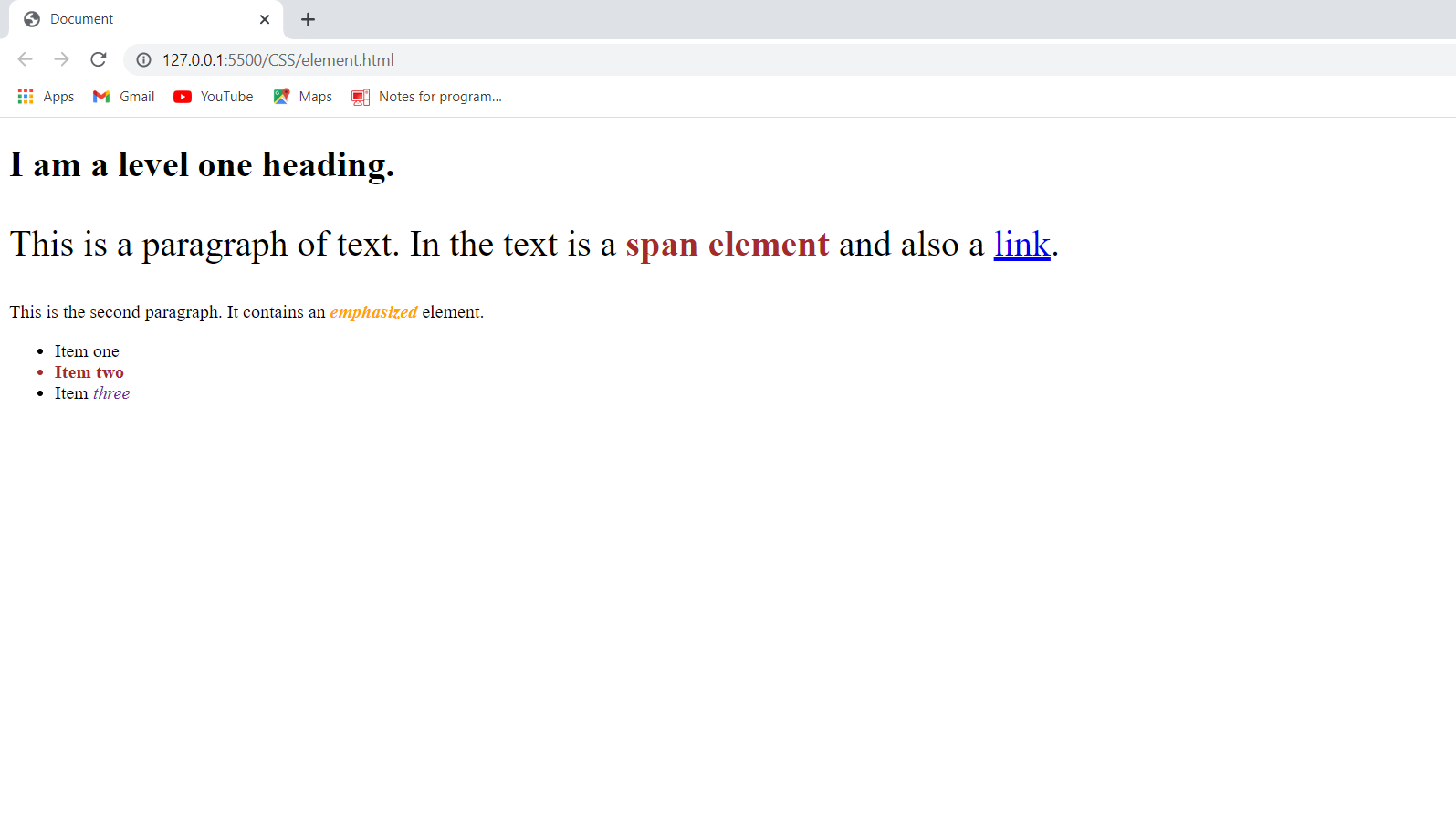
e.g.

<a href=[www.example.com](http://www.example.com)>

a[href=[www.example.com](http://www.example.com)]

e.g.





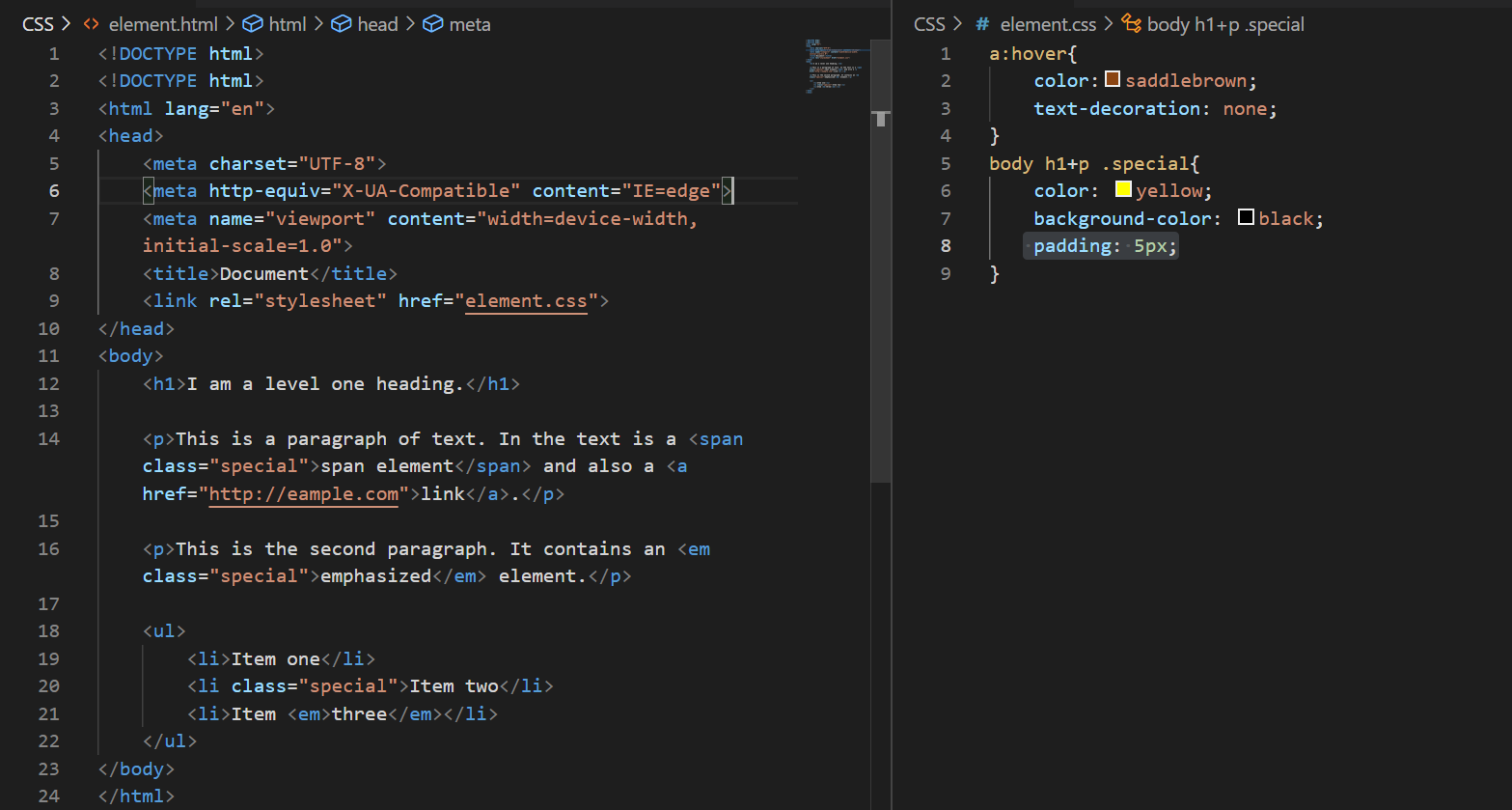
* + - * + **Pseudo Class Selector**,

“Used to style states of Elements”

States of elements,

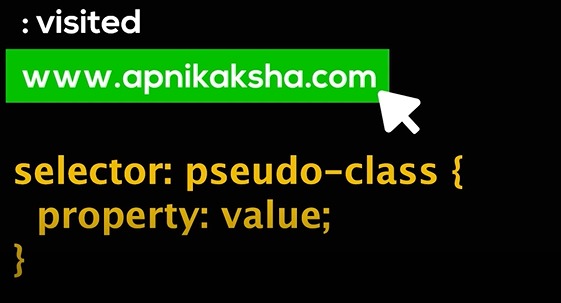
:hover

e.g,



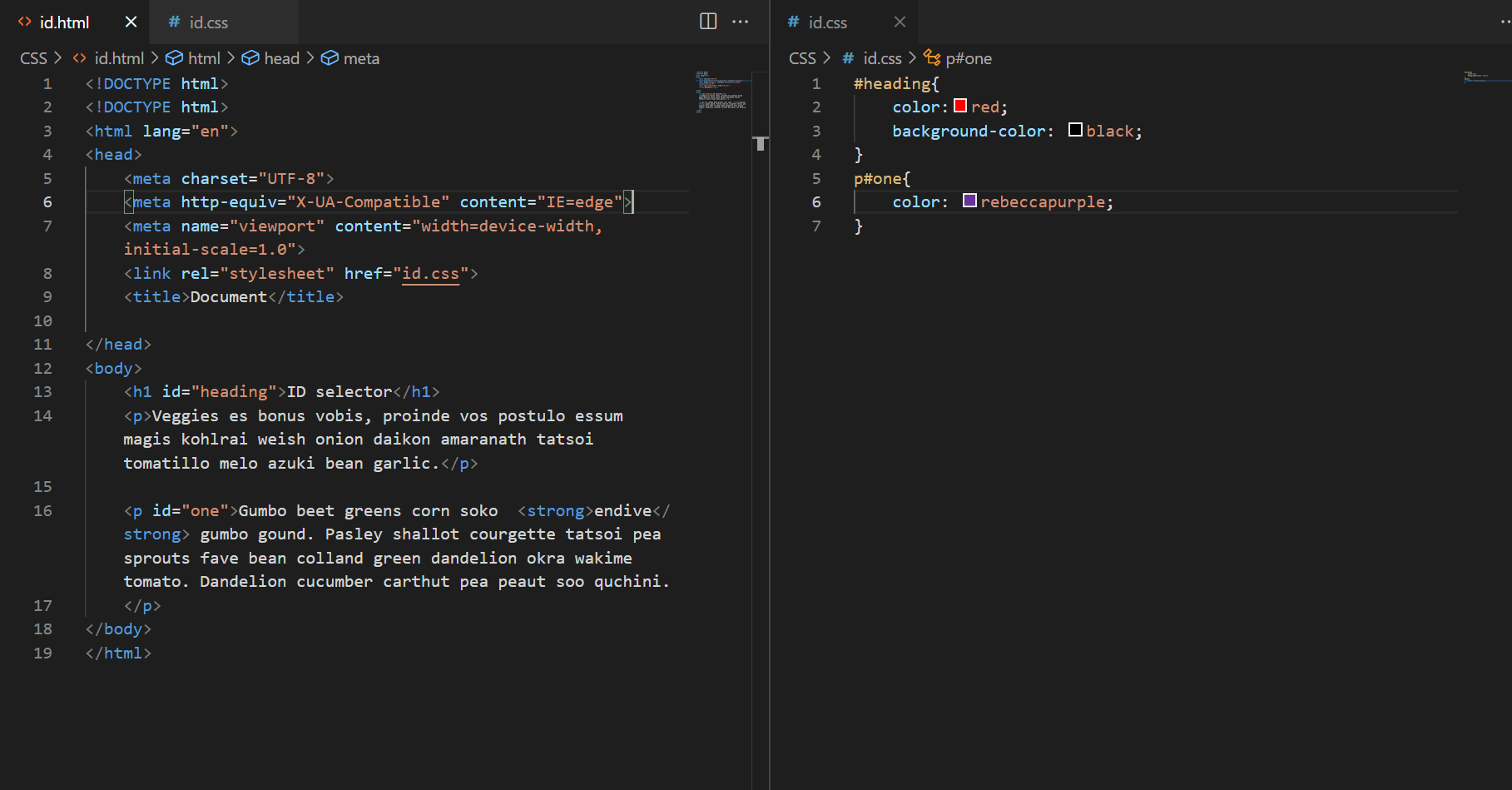


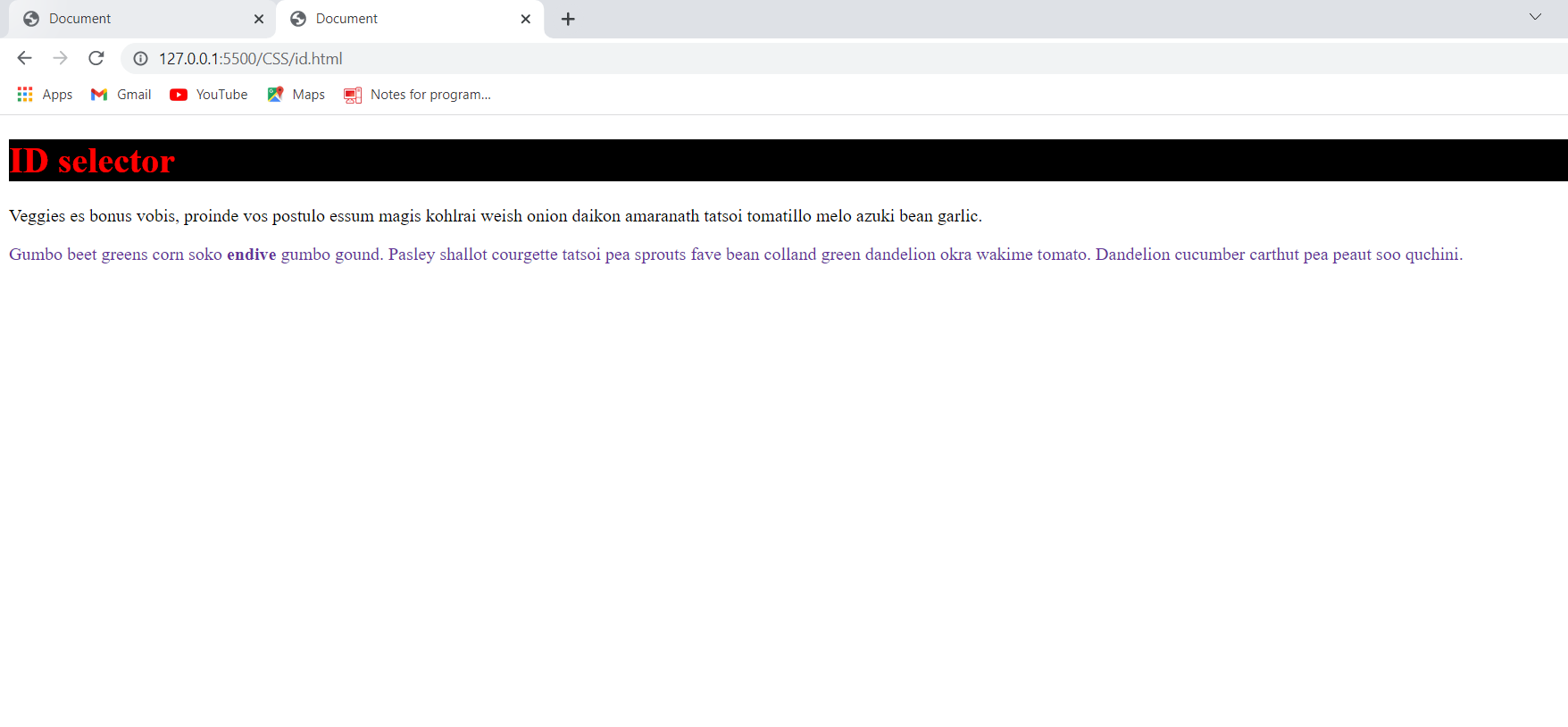
:visited



* + - * + **ID selector**

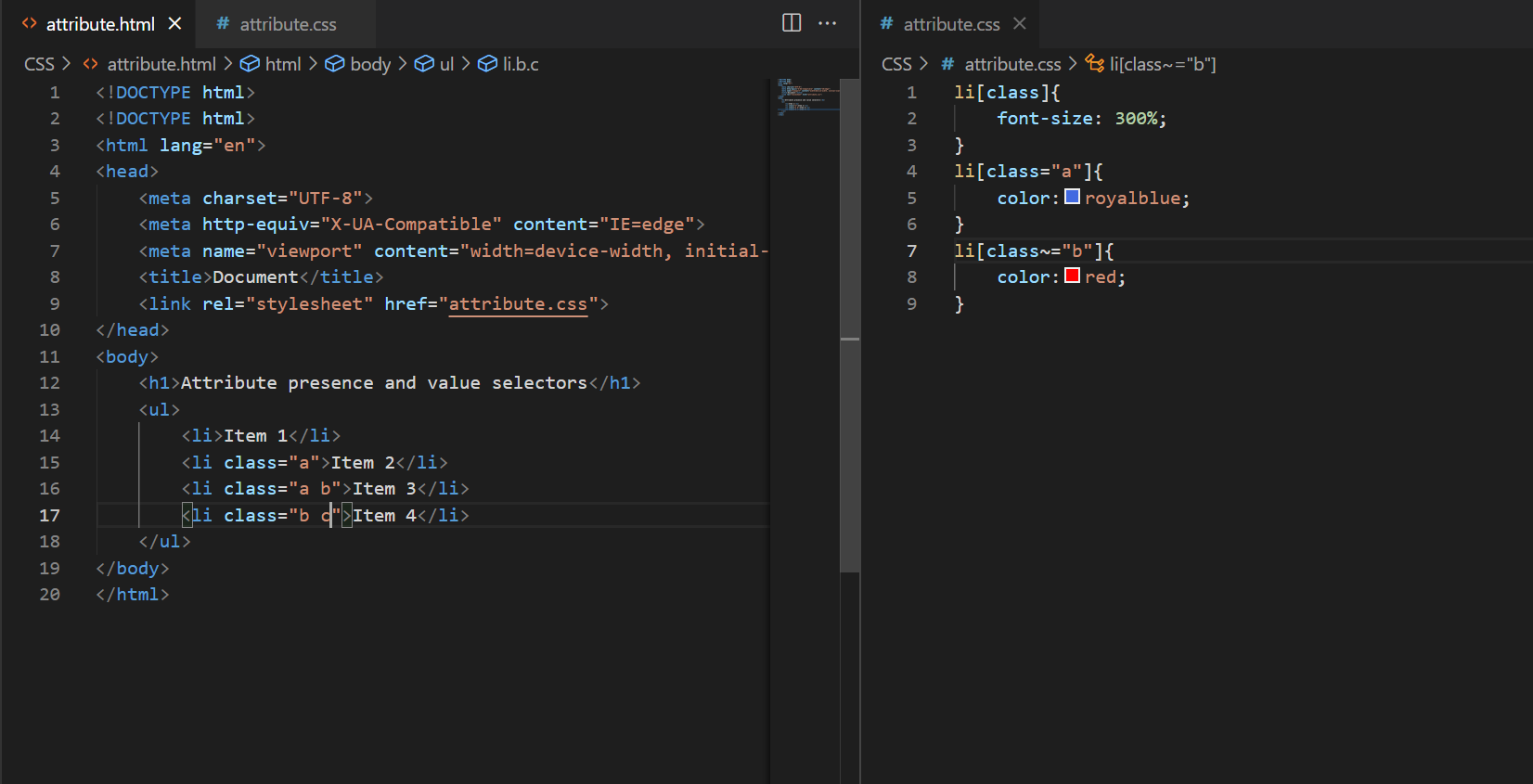
e.g.

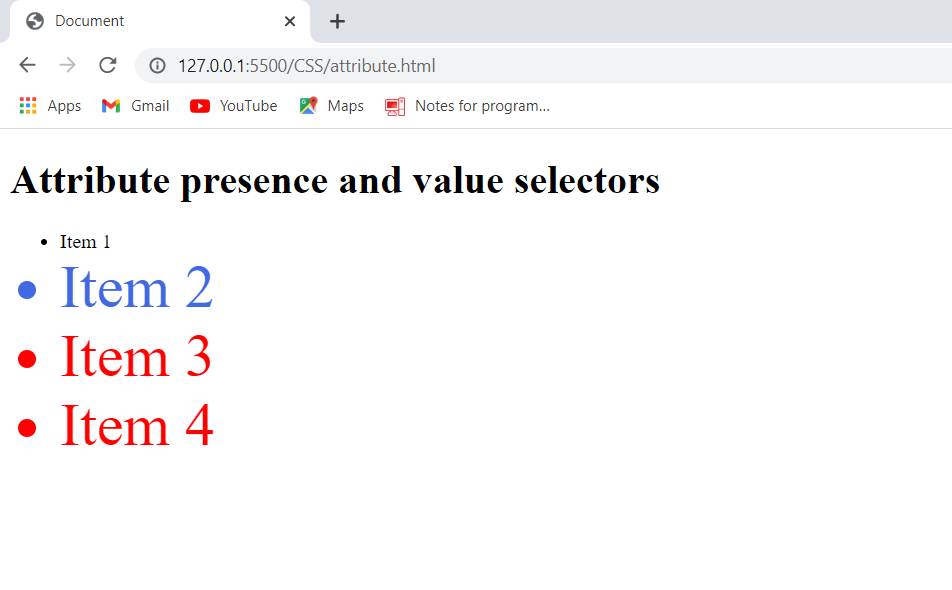




* + - * + **Attribute selector,**

e.g.





* + - * + **Pseudo Element Selector,**

Used to select specific part of info in code.

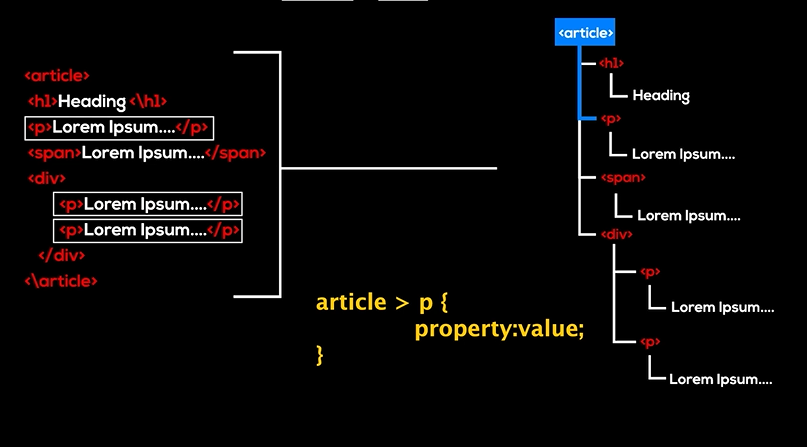
e.g.



* + - * + **Combinator Selector,**

Used to select child tabs.

e.g.

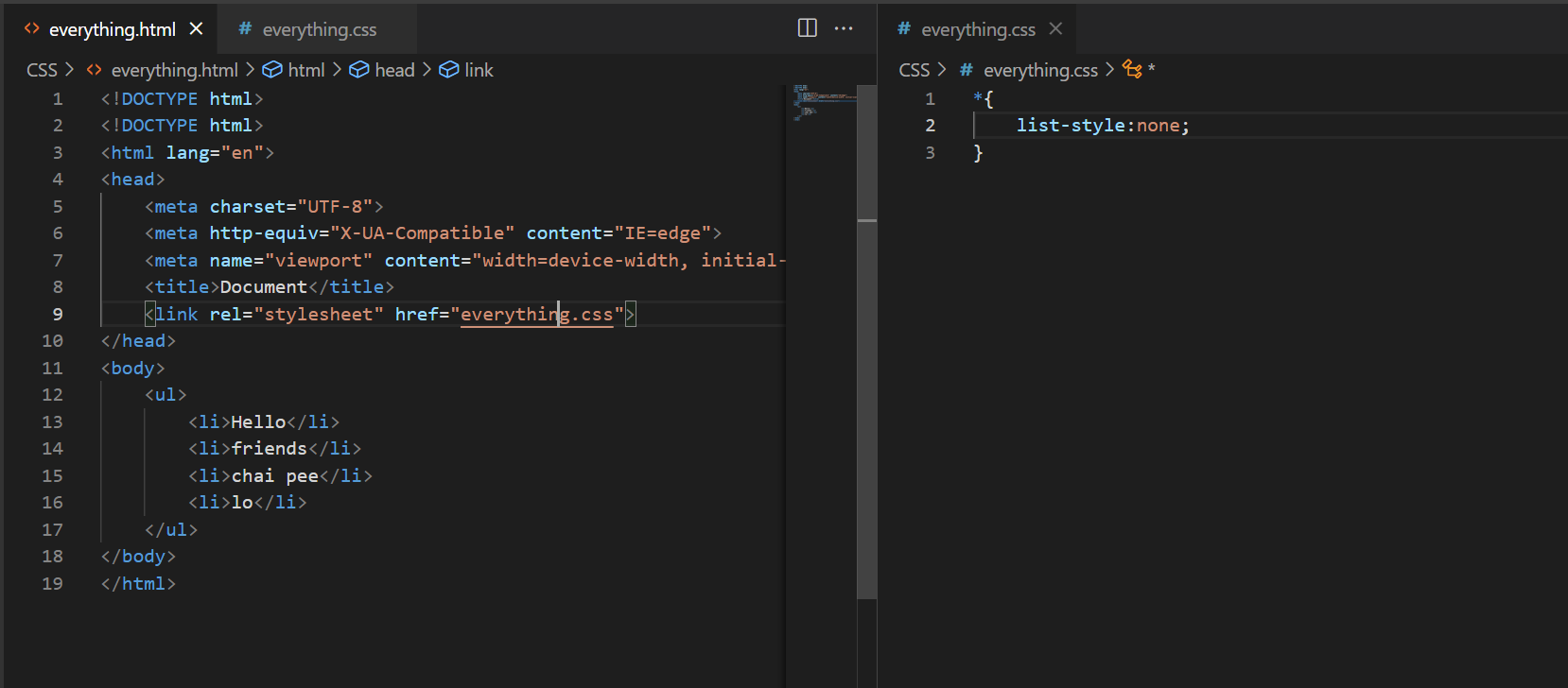


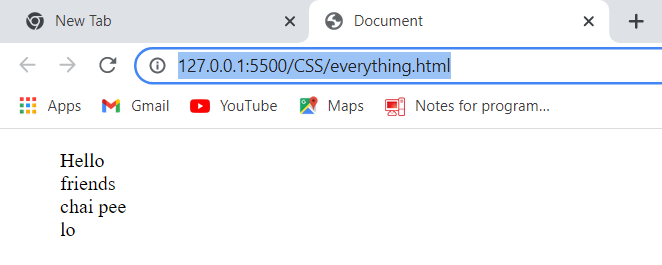
* + - * + **Universal Selector,**

Used to select everything.

e.g.







* + - **Internal**
  + **Property of CSS,**
    - **Colors**
      * **Text color property,**

Syntax,

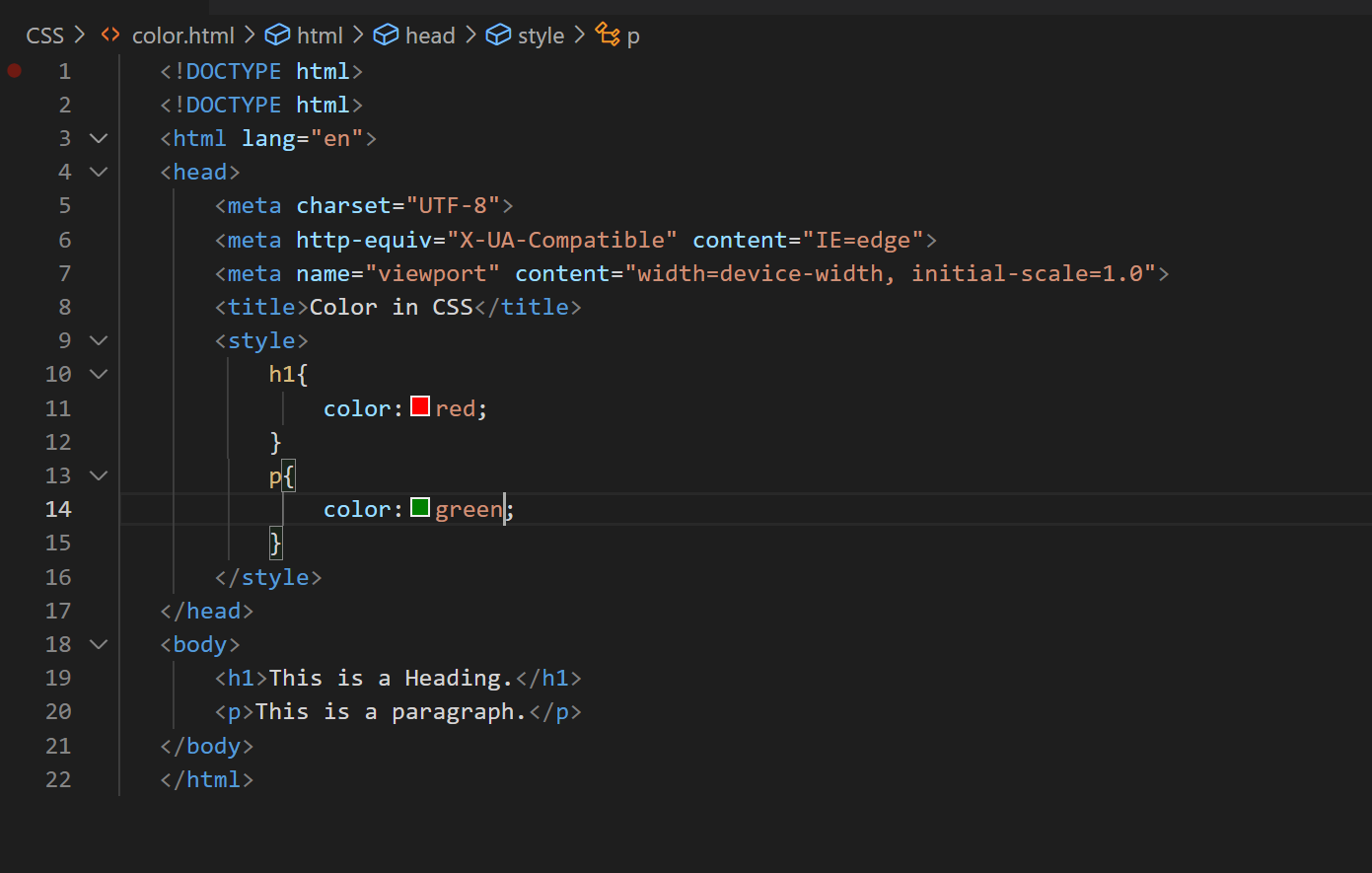
color: red;

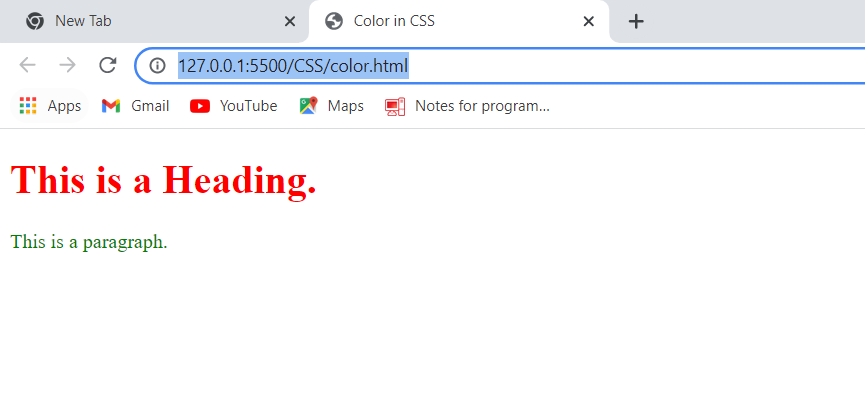
blue

green

black

e.g.





* + - * **Background color property,**

Syntax,

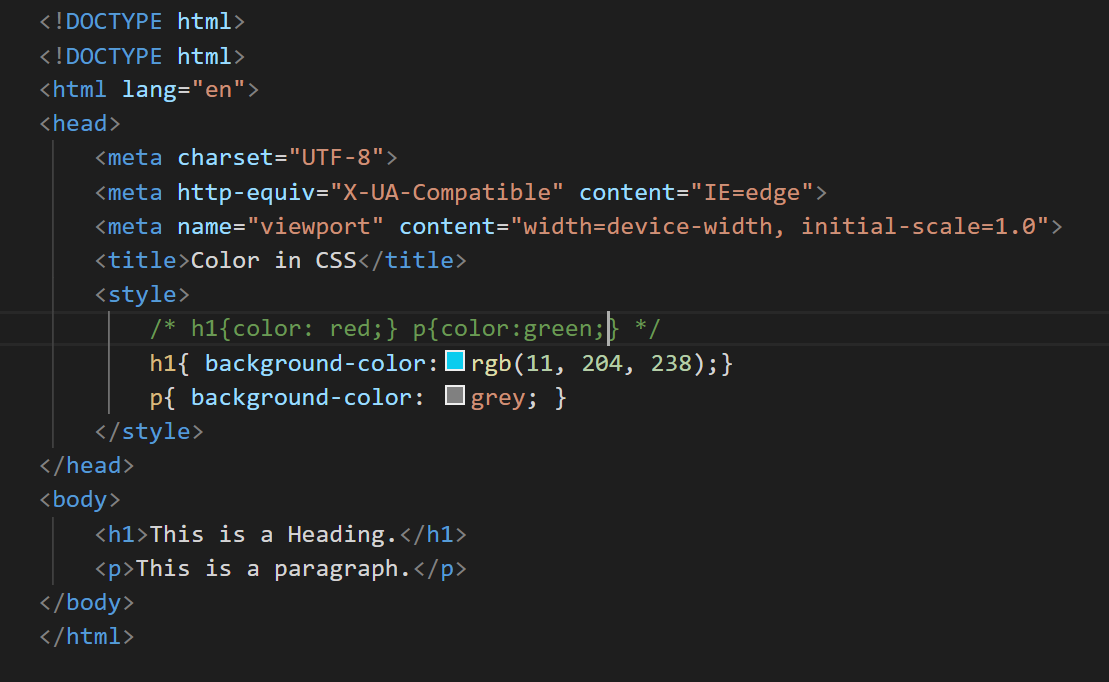
background-color: red;

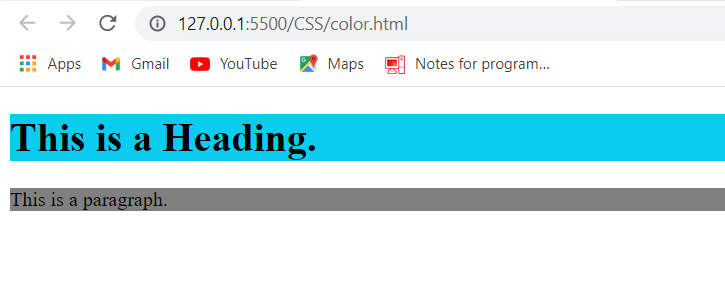
blue

green

black

e.g.



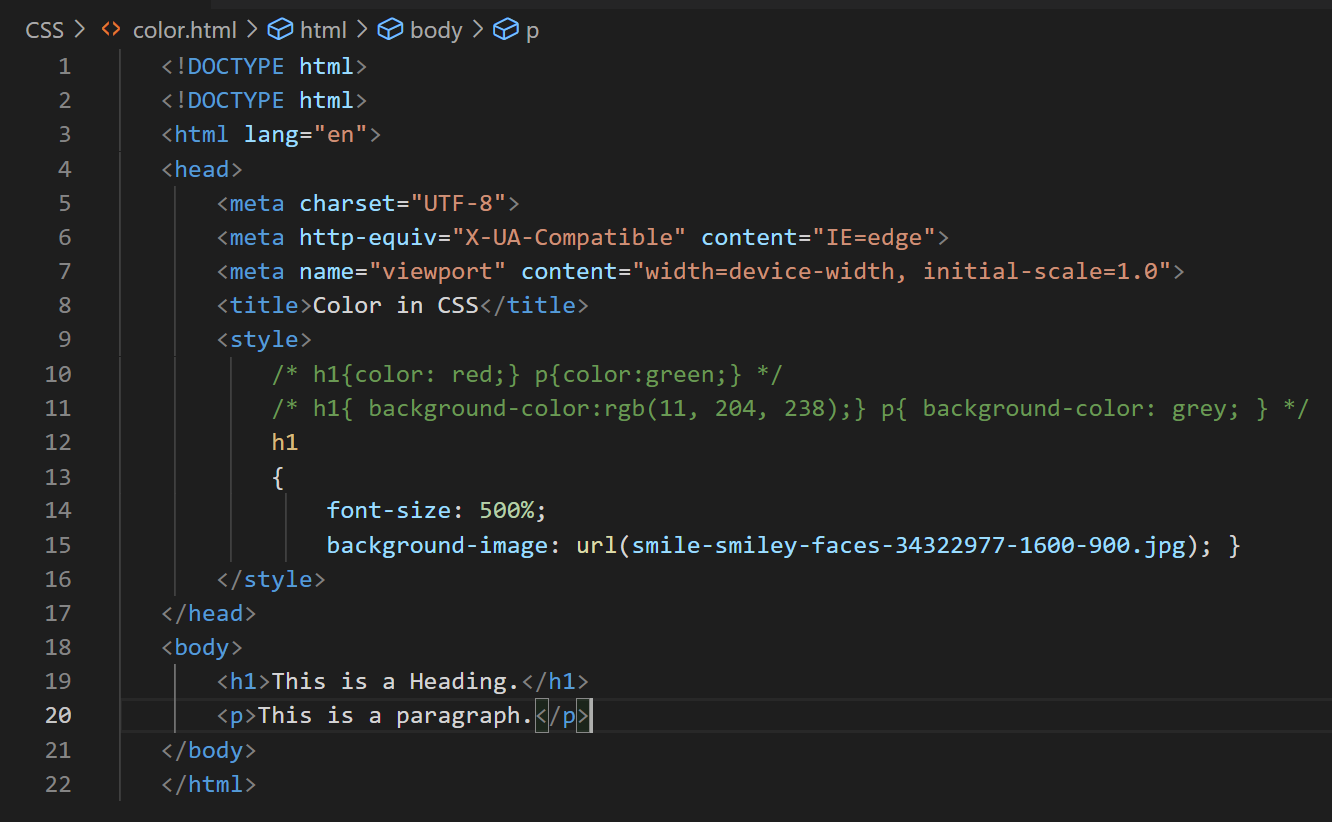


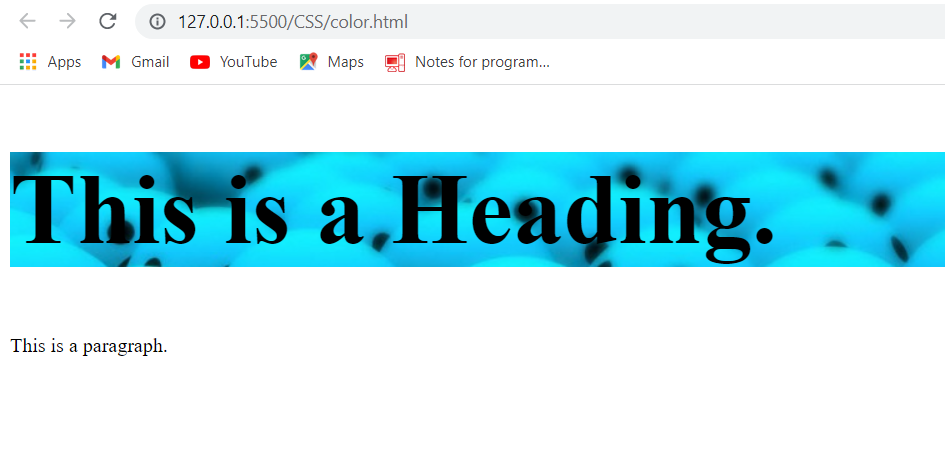
* + - * **Background-image property,**

Syntax,

{ background-image: url(); }

e.g.





* + - * + **Background Position,**

It is used to fix the position of the background image.

Syntax,

Background – position : top;

bottom 50px right 100px;

left;

right;

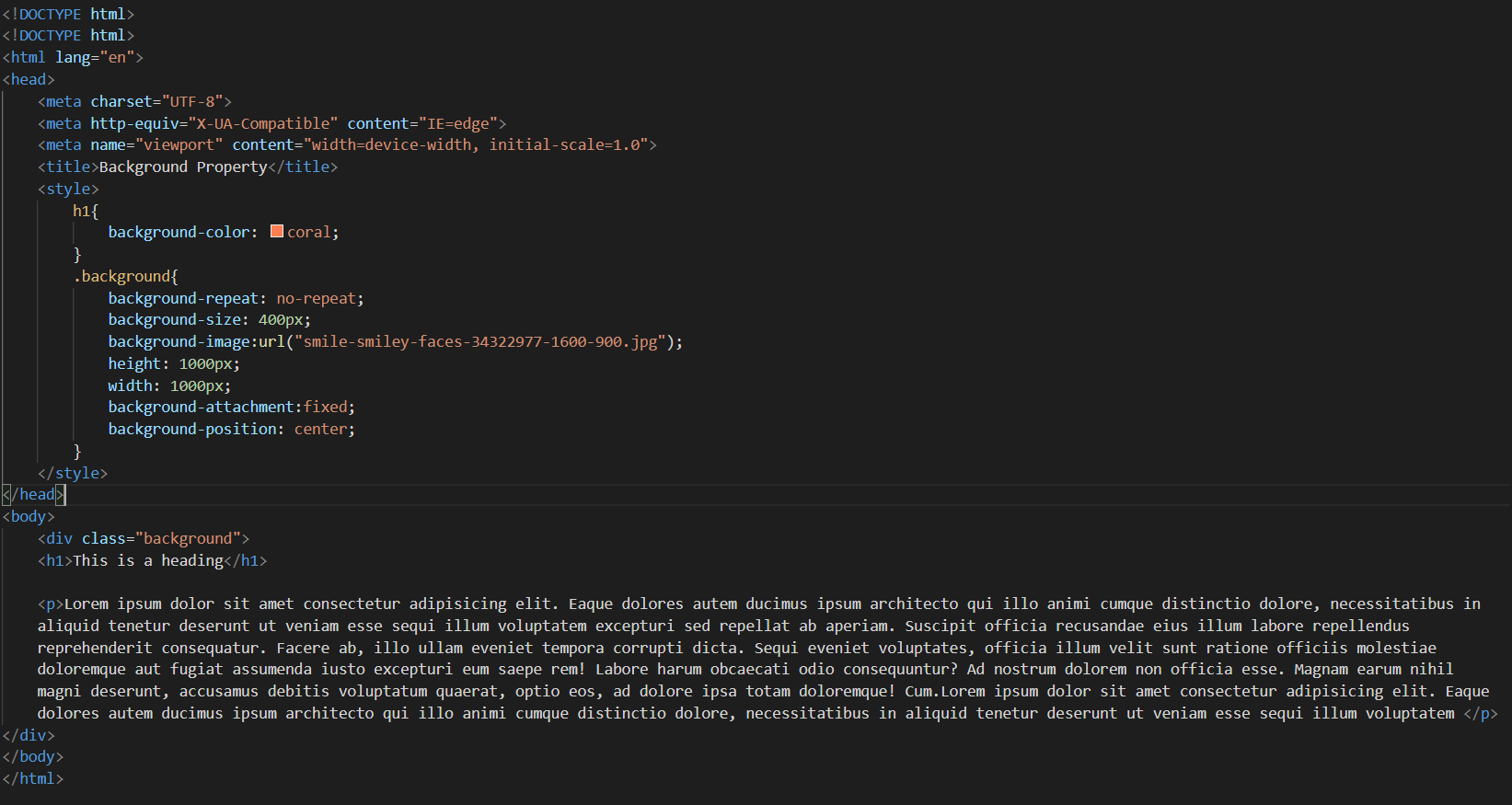
* + - * + **Background-repeat,**

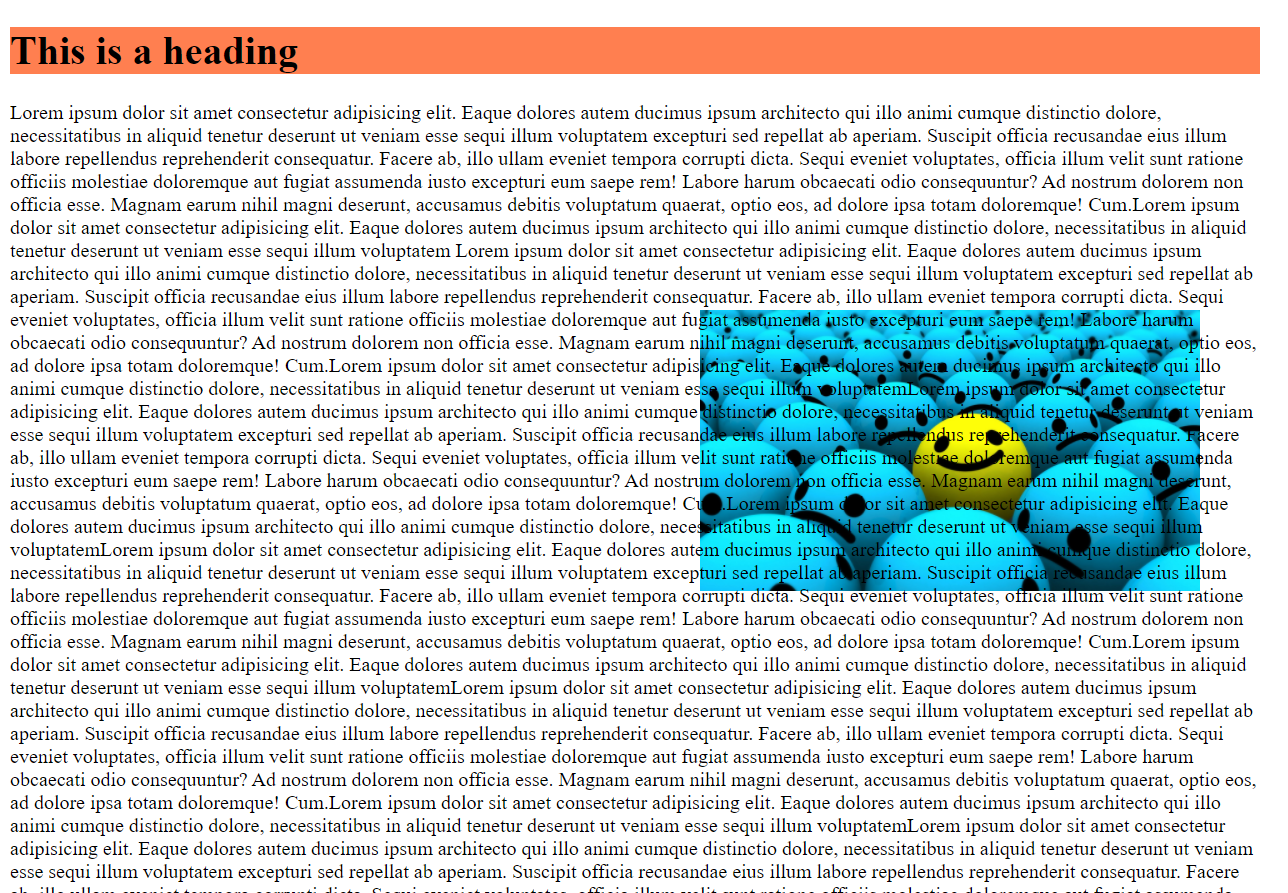
It is use to repeat background image.

* + - * + **Background-Attachment,**

To convert image fixed or scroll.

* + - * + **E.g,**

****



* + - * **Border-color property,**

Syntax,

border-color: red;

blue;

green

black

* + - * **Values is Color Property,**
        + **Name,**

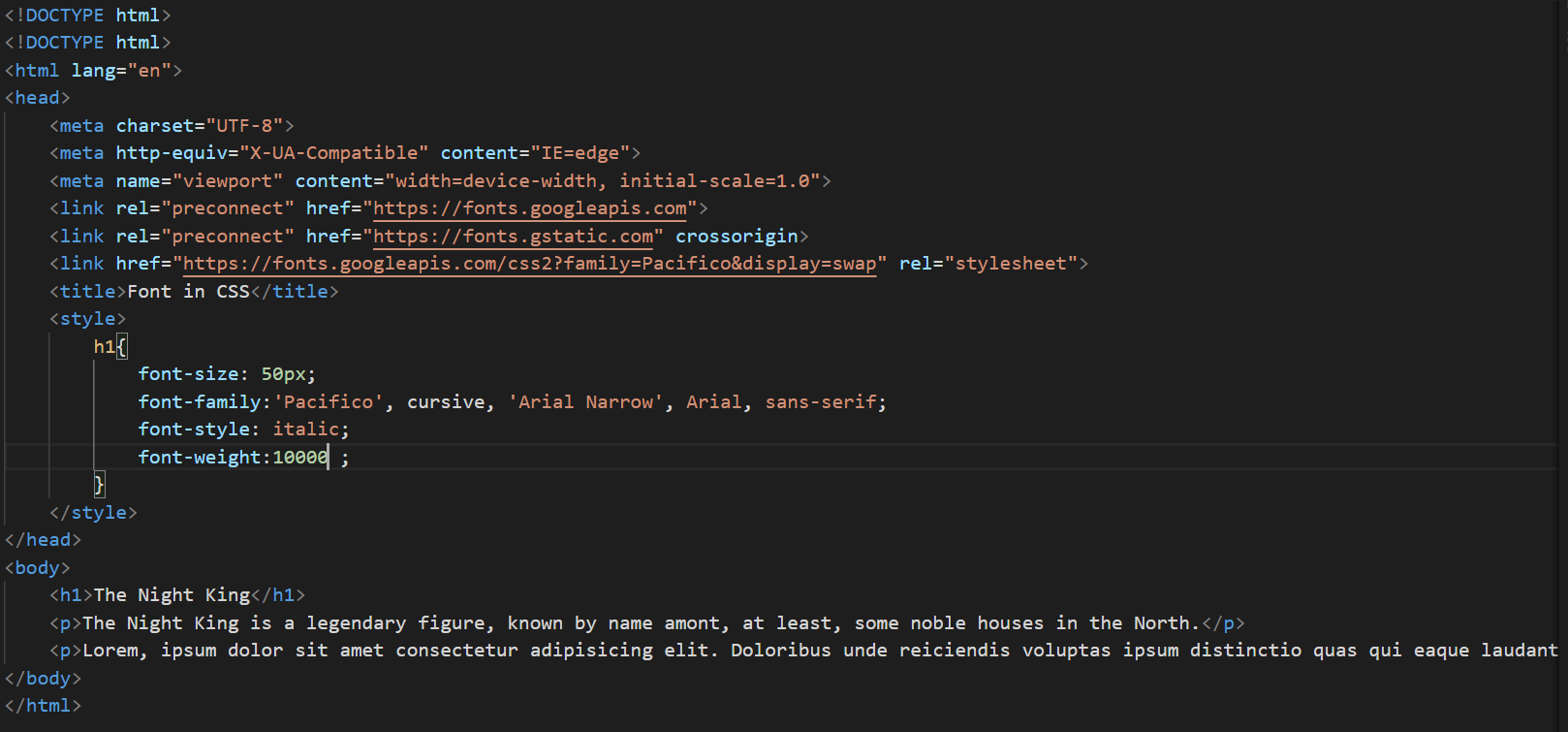
Approx 140 color names. But this depends on browser support.

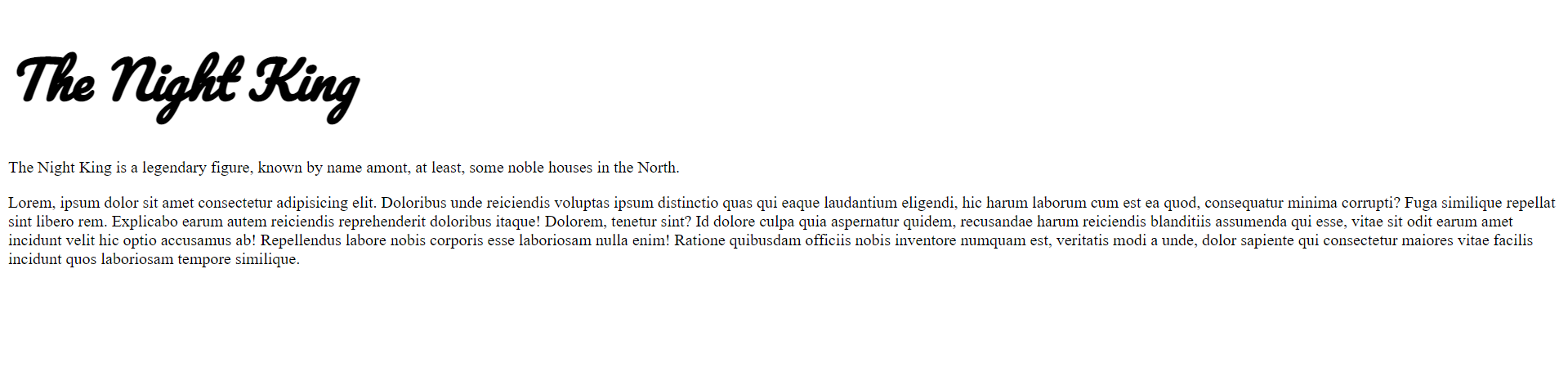
* + - * + **RGB,**

To decided intensity of colors. (Using Red, Green, Blue color b/w 0-255)

We can use A (Alpha) to used define opacity.

* + **Fonts in CSS,**
    - **Font-family,**
      * **font-style.**
      * **font-size.**
      * **font-weight.**

**e.g,**

****

* + **Formatting text with CSS,**
    - **Properties,**
      * **text-align**
        + **left**
        + **center**
        + **right**
        + **justify**
      * **text-decoration**
        + **overline;**
        + **line-through;**
        + **underline;**
        + **underline overline;**
      * **text-transform**
        + **capitalize;**
        + **uppercase;**
        + **lowercase;**
        + **none;**
        + **full-width;**
      * **text-indent**

**To implement text size between lines before start the line.**

* + - * + **0;**
        + **30%;**
        + **-3em;**
      * **line-height**
      * **letter-spacing**

**To specify how much need space in b/w letters.**

* + - * + **normal;**
        + **2rem;**
        + **1px;**
        + **-1px;**
      * **word-spacing**

**To specify how much need space in b/w words.**

* + - * + **normal;**
        + **lrem;**
        + **4px;**
        + **120%;**
      * **E.g,**

<!DOCTYPE html>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Sytling Text in CSS </title>

    <style>

        p

        {

            color:red;

            line-height: 1.5;

            font-weight: 800;

            text-indent: 100px;

            word-spacing: 5px;

text-align: justify; }

        h1

        {

            text-transform: uppercase ;

            text-decoration: overline;

            text-decoration: underline;

            text-decoration: line-through;

            text-shadow: 4px 4px 2px black,

                         2px 2px 1px black;

            text-align: center;

        }

    </style>

</head>

<body>

   <h1>The Night King</h1>

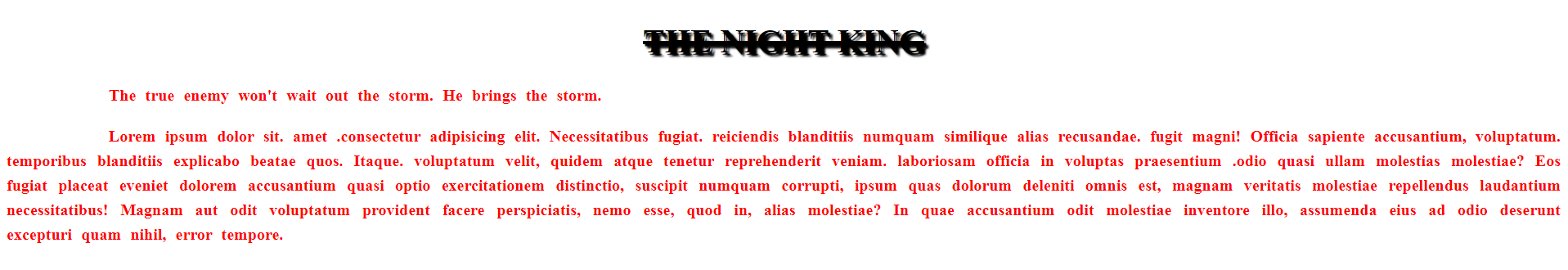
   <p>The true enemy won't wait out the storm. He brings the storm. </p>

<p>Lorem ipsum dolor sit. amet .consectetur adipisicing elit. Necessitatibus fugiat. reiciendis blanditiis numquam similique alias recusandae. fugit magni! Officia sapiente accusantium, voluptatum. temporibus blanditiis explicabo beatae quos. Itaque. voluptatum velit, quidem atque tenetur reprehenderit veniam. laboriosam officia in voluptas praesentium .odio quasi ullam molestias molestiae? Eos fugiat placeat eveniet dolorem accusantium quasi optio exercitationem distinctio, suscipit numquam corrupti, ipsum quas dolorum deleniti omnis est, magnam veritatis molestiae repellendus laudantium necessitatibus! Magnam aut odit voluptatum provident facere perspiciatis, nemo esse, quod in, alias molestiae? In quae accusantium odit molestiae inventore illo, assumenda eius ad odio deserunt excepturi quam nihil, error tempore.</p>

</body>

</html>

**o/p,**

****

* + **Shorthand Property,**
    - **Used to write multiple value in a property.**
    - **Saves time and energy.**
    - **Makes our code easy to read.**
    - **Example :- background, font, margin etc.**
  + **Background Shorthand,**

e.g.

background-color: #000;

background-image: url(images/bg.gif);

background-repeat: no-repeat;

background-position: left top;

**Shorthand,**

background: #000 url(image/bg.gif) no-repeat left top;

* + **Font shorthand,**

e.g.

font-style: italic;

font-weight: bold;

font-size: 8em;

lint-height: 1.2;

font-family: Arial, sans-serif;

**Shorthand,**

font: italic bold .8em/1.2 arial, sans-serif;

* + **Border Shorthand,**

e.g.

border-width: 1px;

border-style: solid;

border-color: #000;

**Shorthand,**

border: 1px solid #000;

* + **Margin/Padding,**

e.g.

margin-top: 10px;

margin-right: 5px;

margin-bottom: 10px;

margin-left: 5px;

**Shorthand**

margin: 10px 5px 10px 5px;