Web Programming Lab

HTML&CSS

Week 2

TA Contact Information

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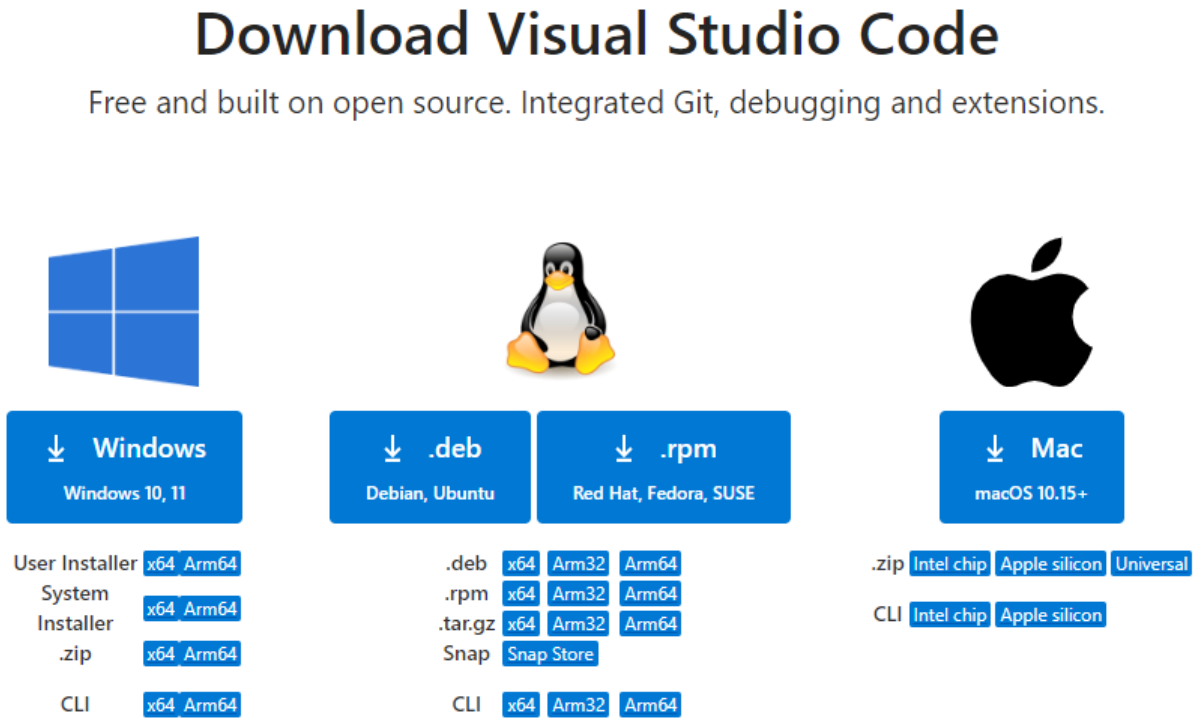
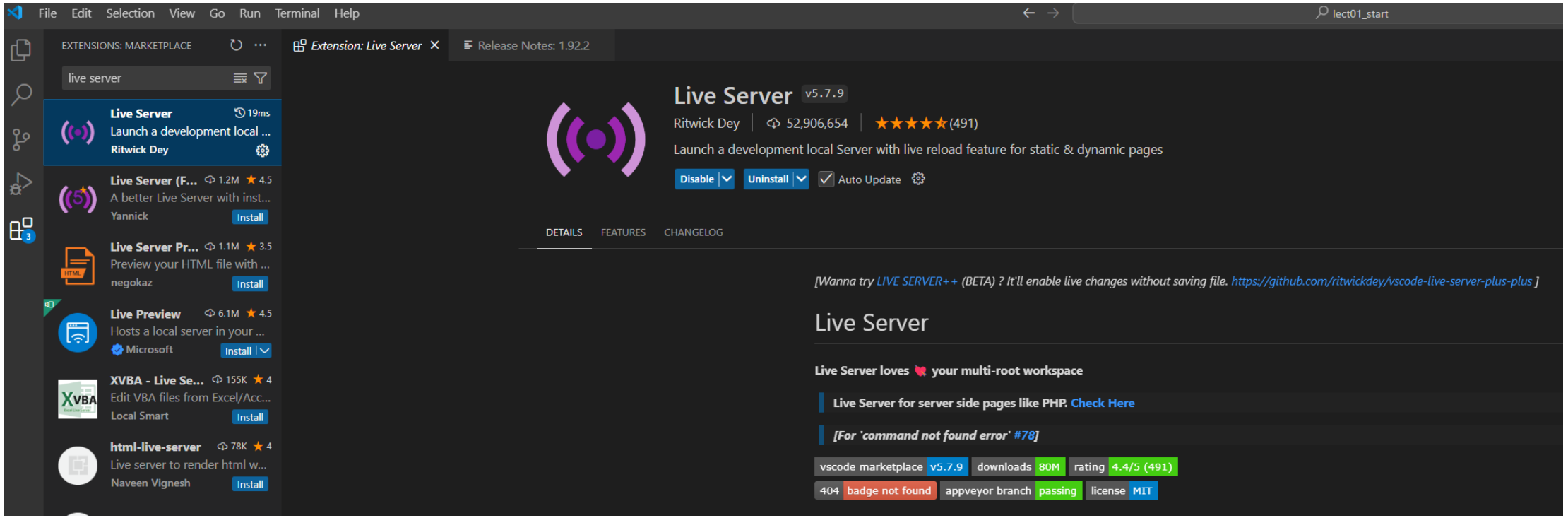
Download Visual Studio Code

- https://code.visualstudio.com/download

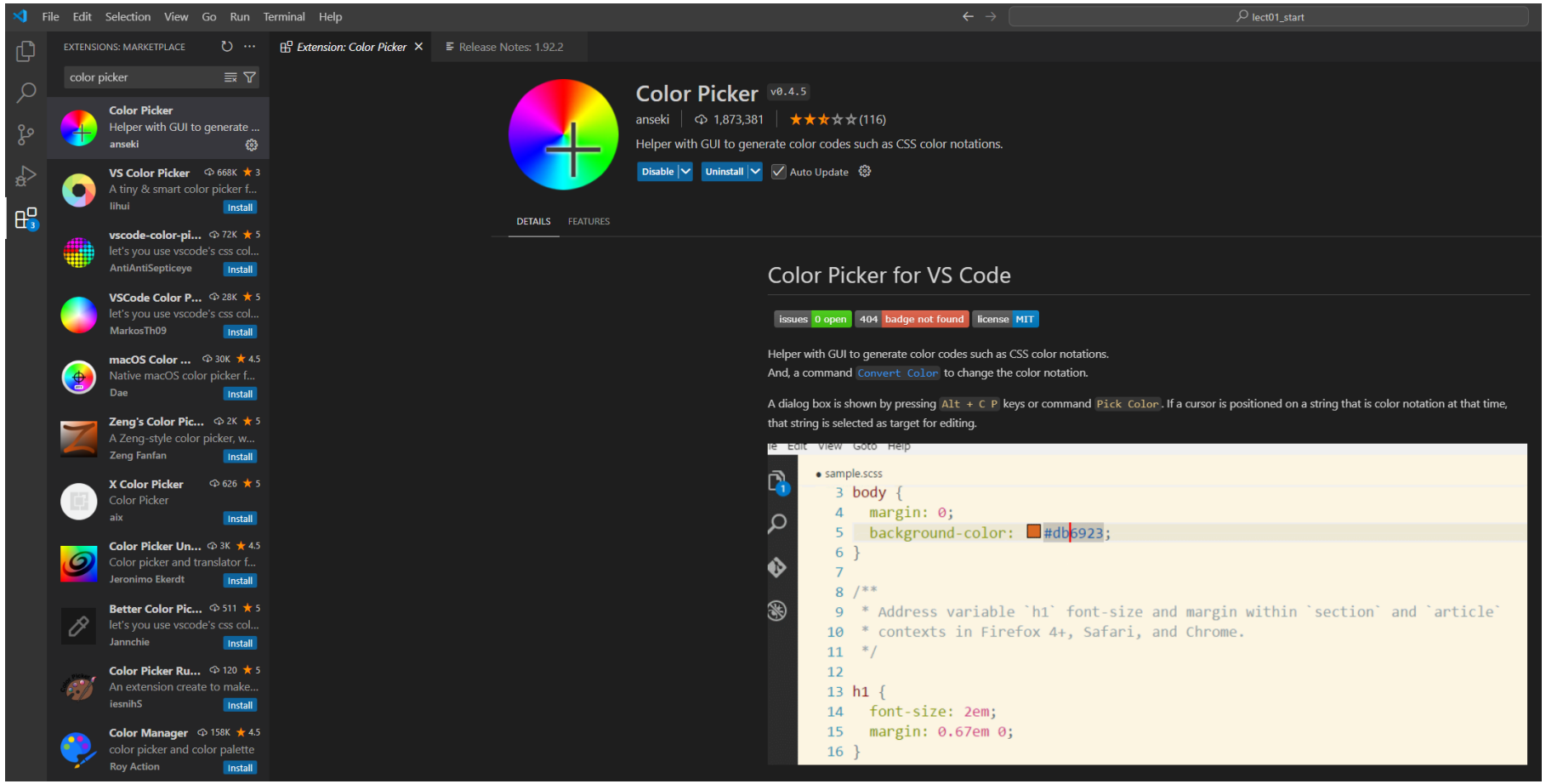


Install VScode Extension: Live Server

- Click the extension button on the left, search “Live Server”
- Click install

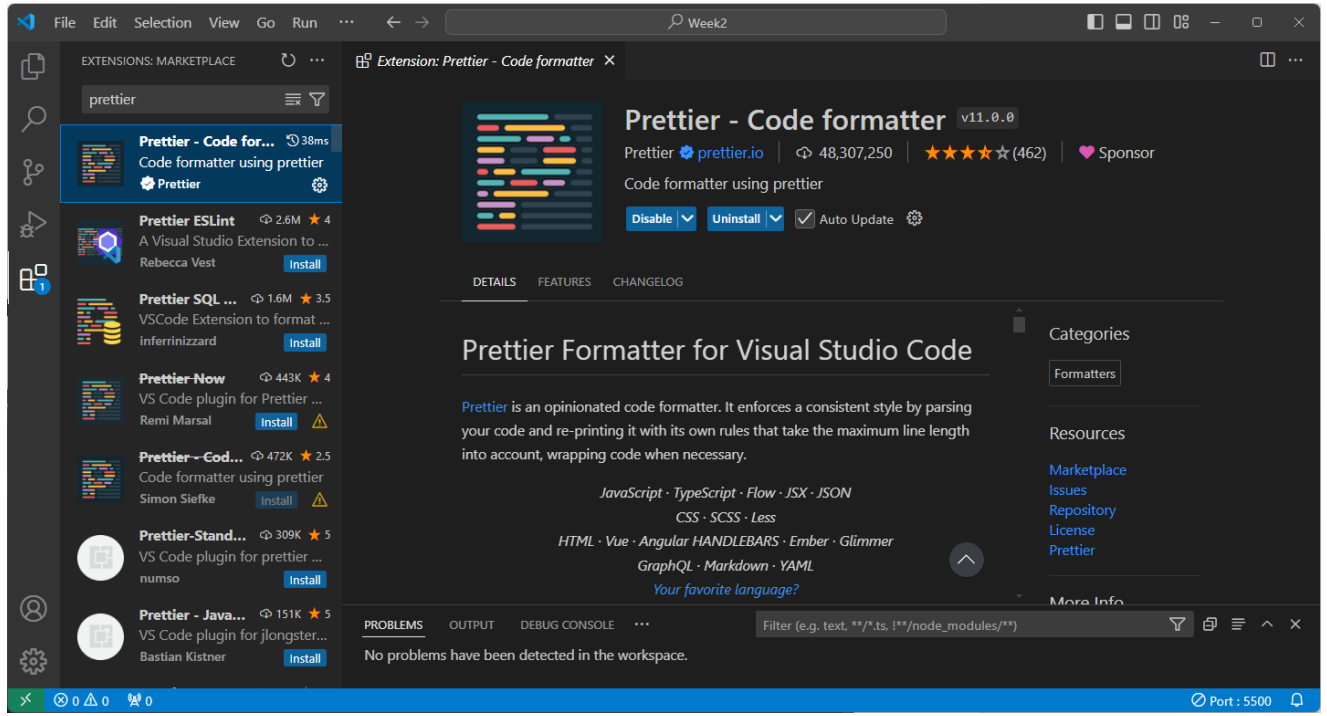


Install VScode Extension: Color Picker



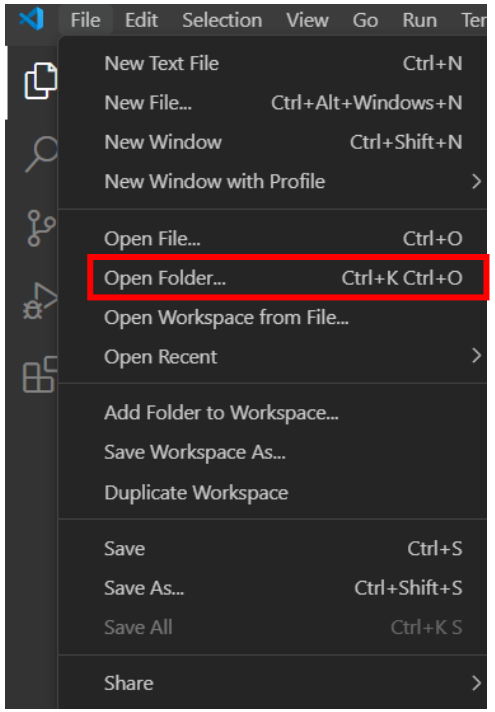
Optional) Install VSCode Extension: Prettier

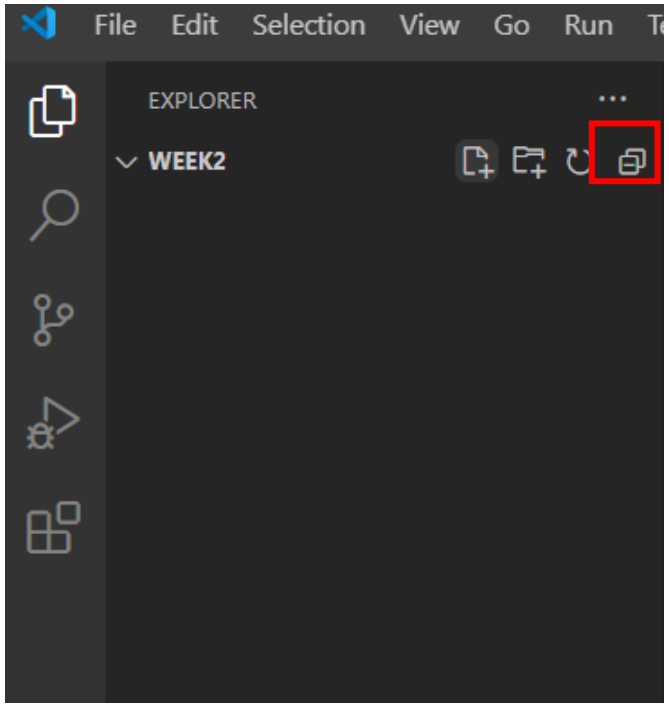
- This is non-mandatory procedure
- If you want to format your code faster, Install “Prettier” extension



Build Your First Webpage

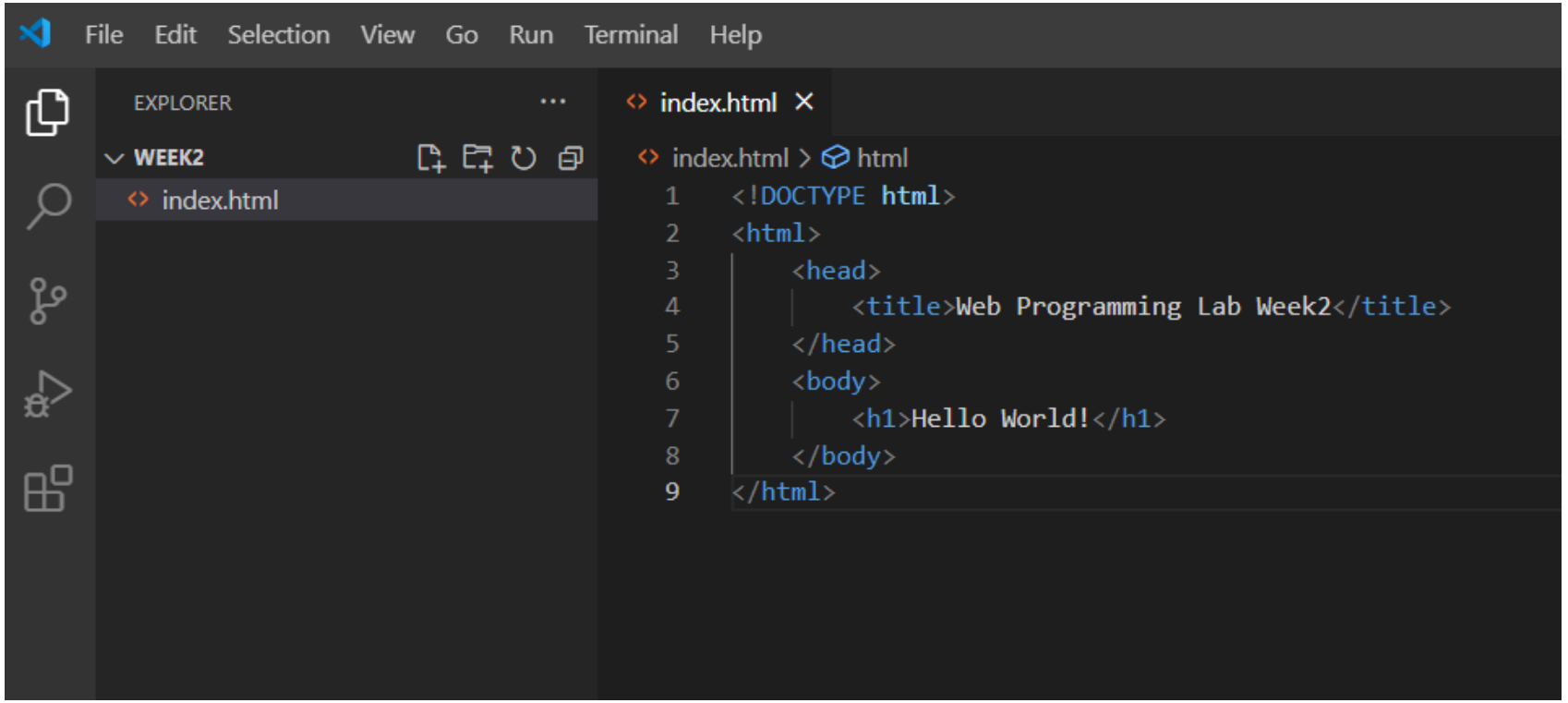
- Create a folder on your computer for the html project
- File -> Open Folder to browse to the created folder





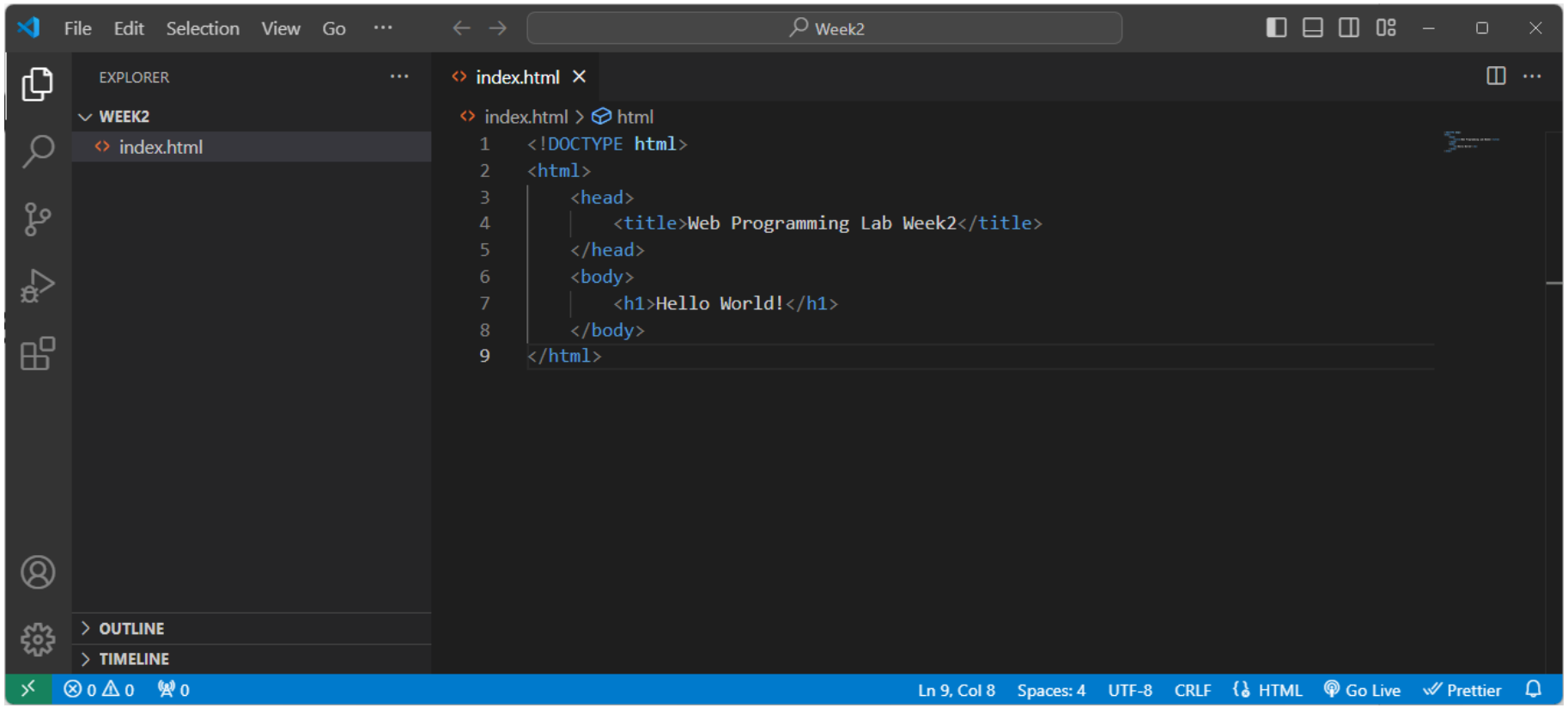
Build Your First Webpage

- Type the following code in the index.html file



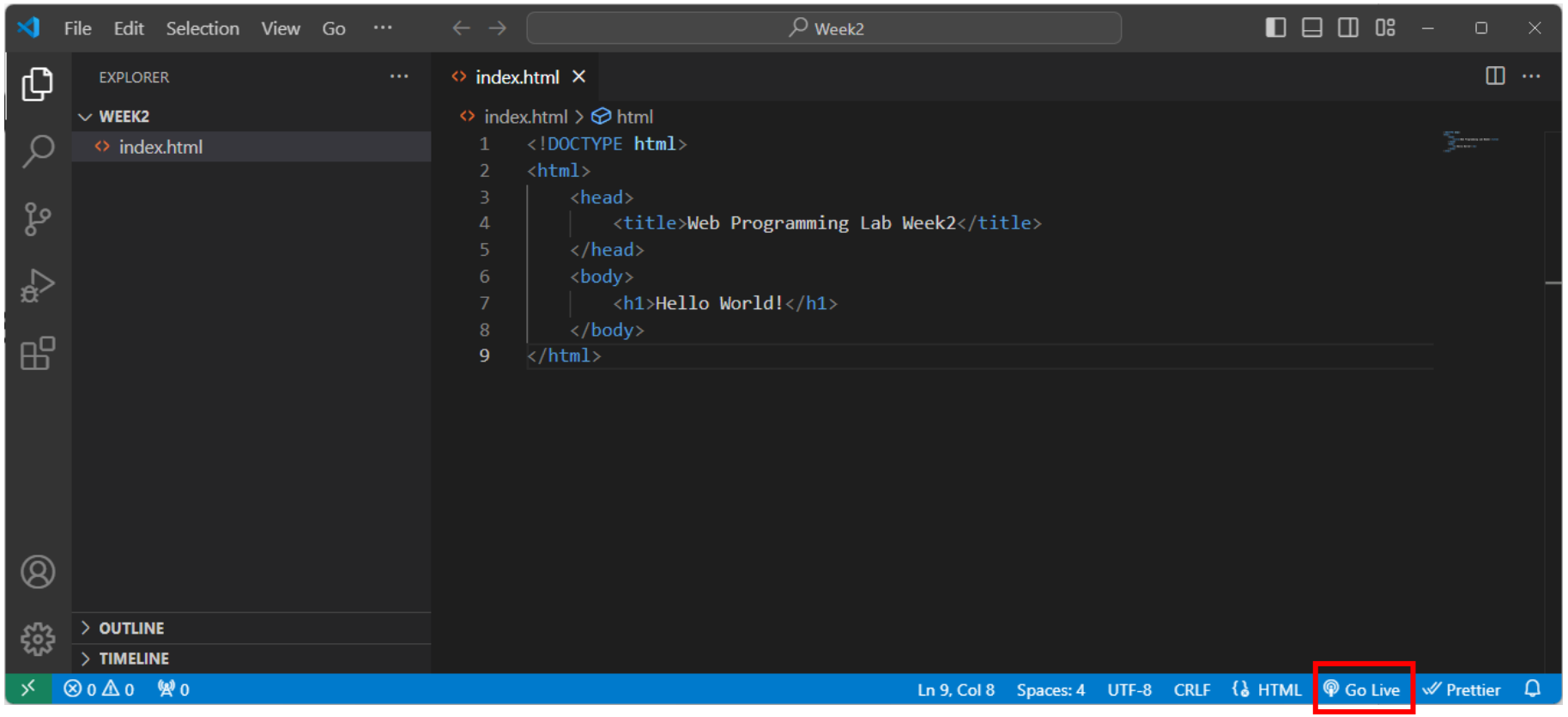
Build Your First Webpage

- **Type the following code in the index.html file**



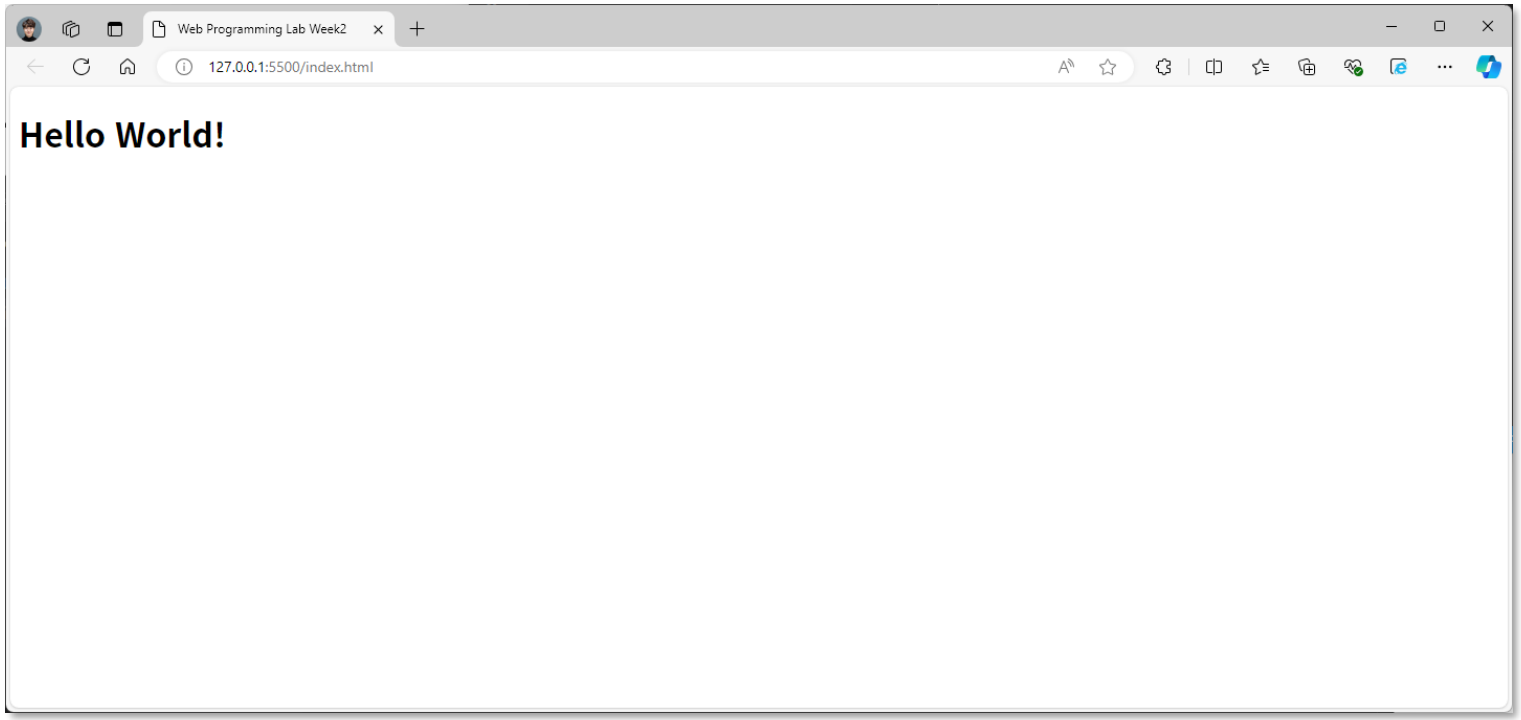
Build Your First Webpage

- **Click Go Live button**



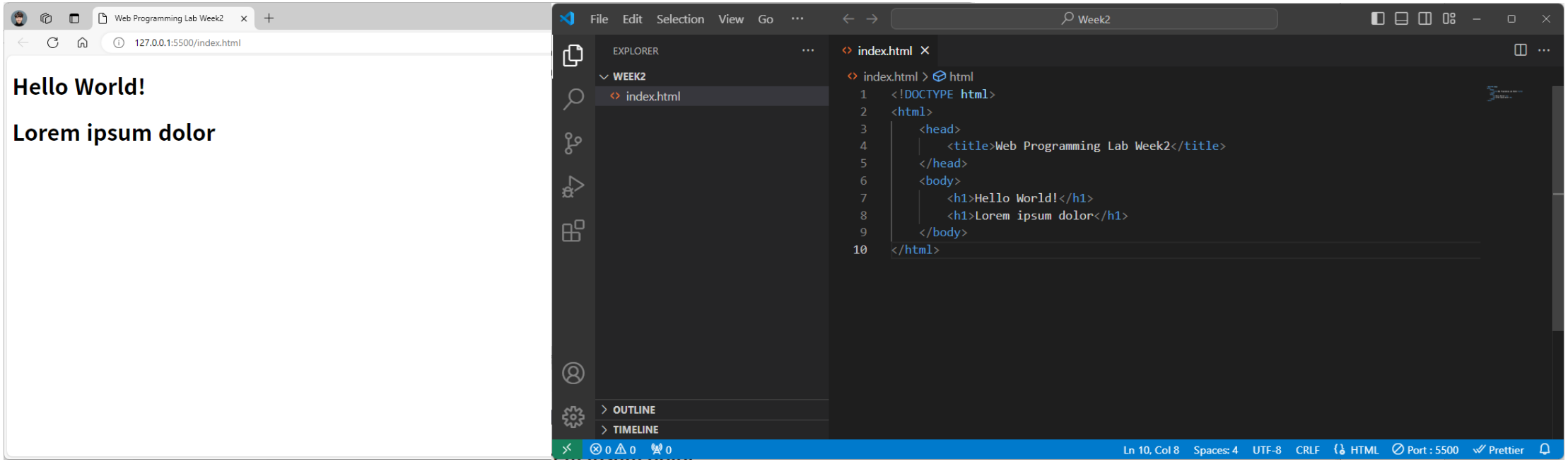
Build Your First Webpage

- **Web browser will come up automatically**
  - **If it doesn't, type 127.0.0.1:5500/index.html into web browser**



Build Your First Webpage

- Edit your code and save it (Ctrl+S)
- Changed webpage will be displayed automatically



Character Encoding

- You don't really need to know what character encoding is in detail
- It defines the set of valid human language characters that can be used in the document
- It is safest to stick to UTF-8
  - A universal character set that allows all characters from all languages

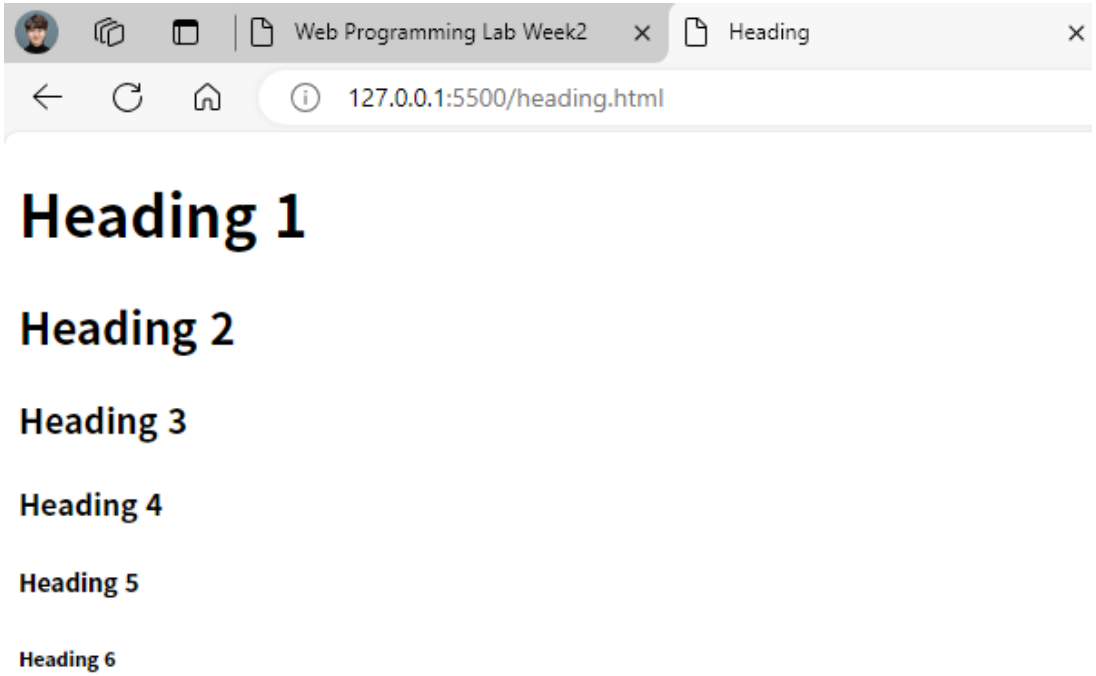
```
<head>
   <meta charset="UTF-8"/>
   <title>Web programming Lab</title>
</head>
```

Headings

index.html | heading.html | Settings

heading.html > html

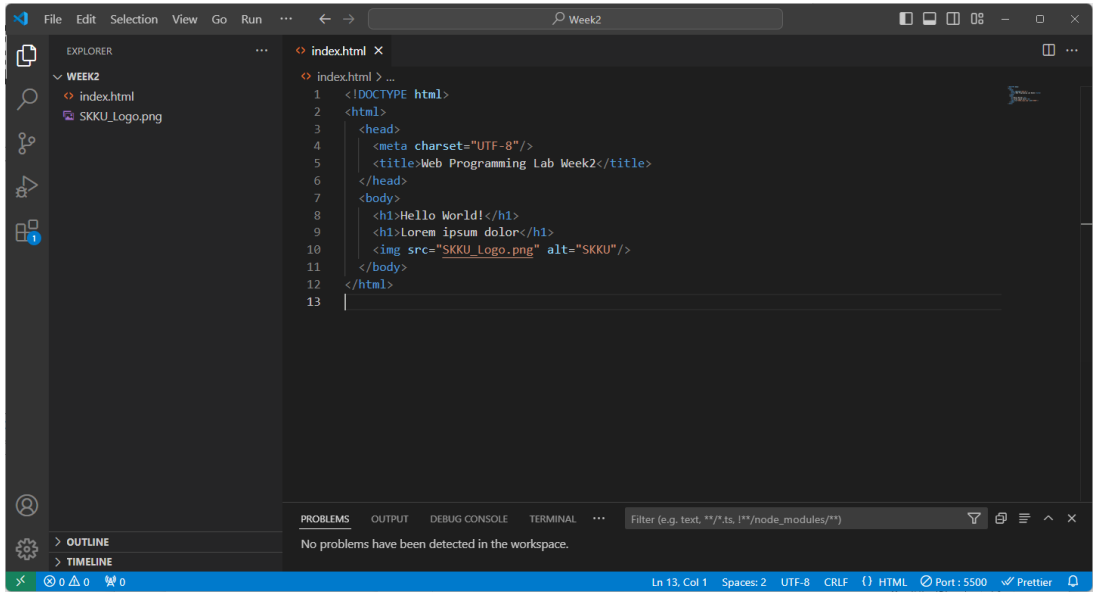
```
1   <!DOCTYPE html>
2   <html>
3     <head>
4       <meta charset="UTF-8"/>
5       <title>Heading</title>
6     </head>
7     <body>
8       <h1>Heading 1</h1>
9       <h2>Heading 2</h2>
10      <h3>Heading 3</h3>
11      <h4>Heading 4</h4>
12      <h5>Heading 5</h5>
13      <h6>Heading 6</h6>
14    </body>
15  </html>
```



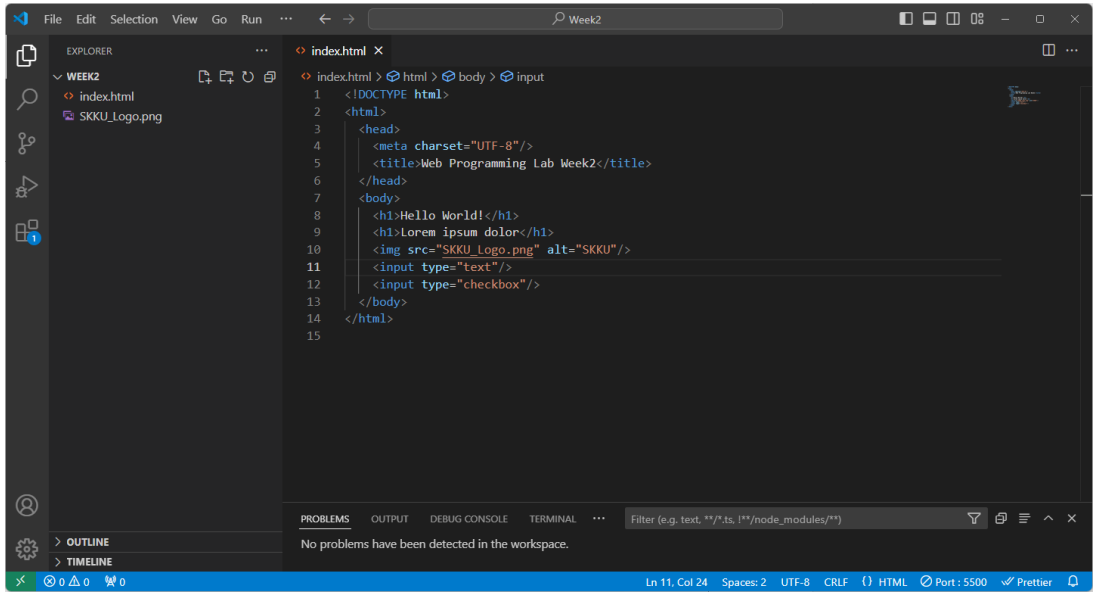
Text Styling

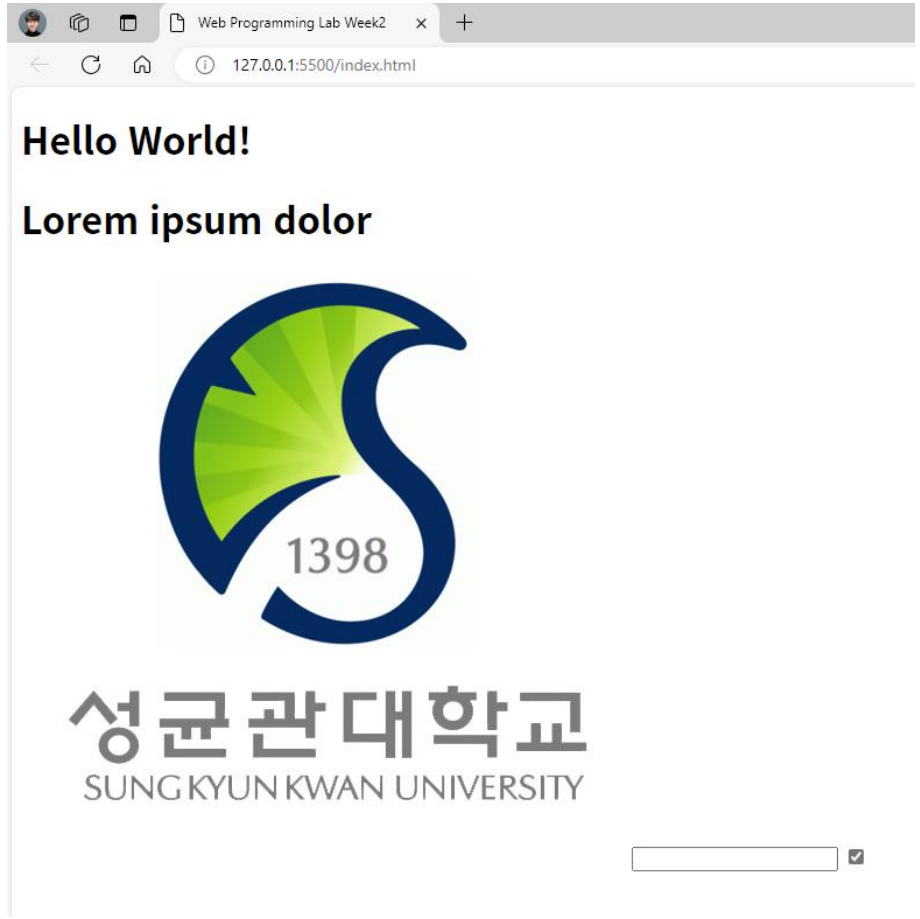
- Formatting text style with following attributes:
  - <b> - Bold text
  - - Important text
  - <i> - Italic text
  - - Emphasized text
  - <mark> - Marked text
  - <small> - Small text
  - <del> - Deleted text
  - <ins> - Inserted text
  - <sub> - Subscript text
  - <sup> - Superscript text

Image Element

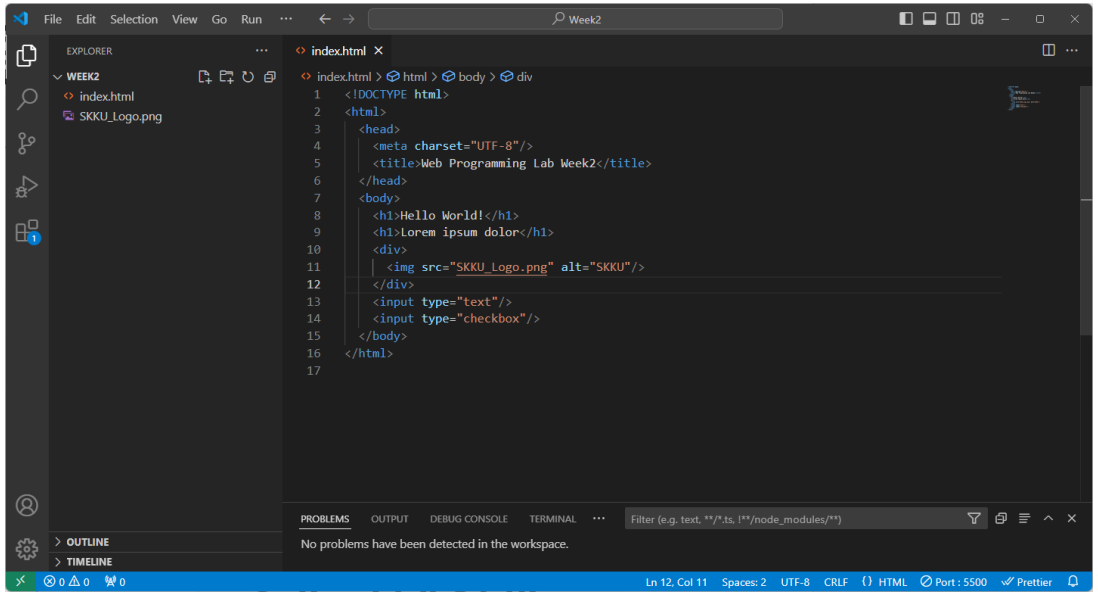


Input Element





Element


File Edit Selection View Go Run
Week2
EXPLORER
WEEK2
index.html
SKKU_Logo.png
index.html
index.html > html > body > div
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8"/>
<title>Web Programming Lab Week2</title>
</head>
<body>
<h1>Hello World!</h1>
<h1>Lorem ipsum dolor</h1>

<img src="SKKU_Logo.png" alt="SKKU"/>

<input type="text"/>
<input type="checkbox"/>
</body>
</html>
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Filter (e.g. text, **/*.ts, !**/node_modules/**)
No problems have been detected in the workspace.
OUTLINE
TIMELINE
Ln 12, Col 11 Spaces: 2 UTF-8 CRLF HTML Port : 5500 Prettier

Web Programming Lab Week2
127.0.0.1:5500/index.html
Hello World!
Lorem ipsum dolor
1398
성균관대학교
SUNG KYUN KWAN UNIVERSITY

HTML Cheat Sheet

- https://htmlcheatsheet.com/
- You can check HTML elements with this page

Personal Work

- Implement webpage same with right figure
- You should use <button> element to implement login button
  - `<button>로그인</button>`

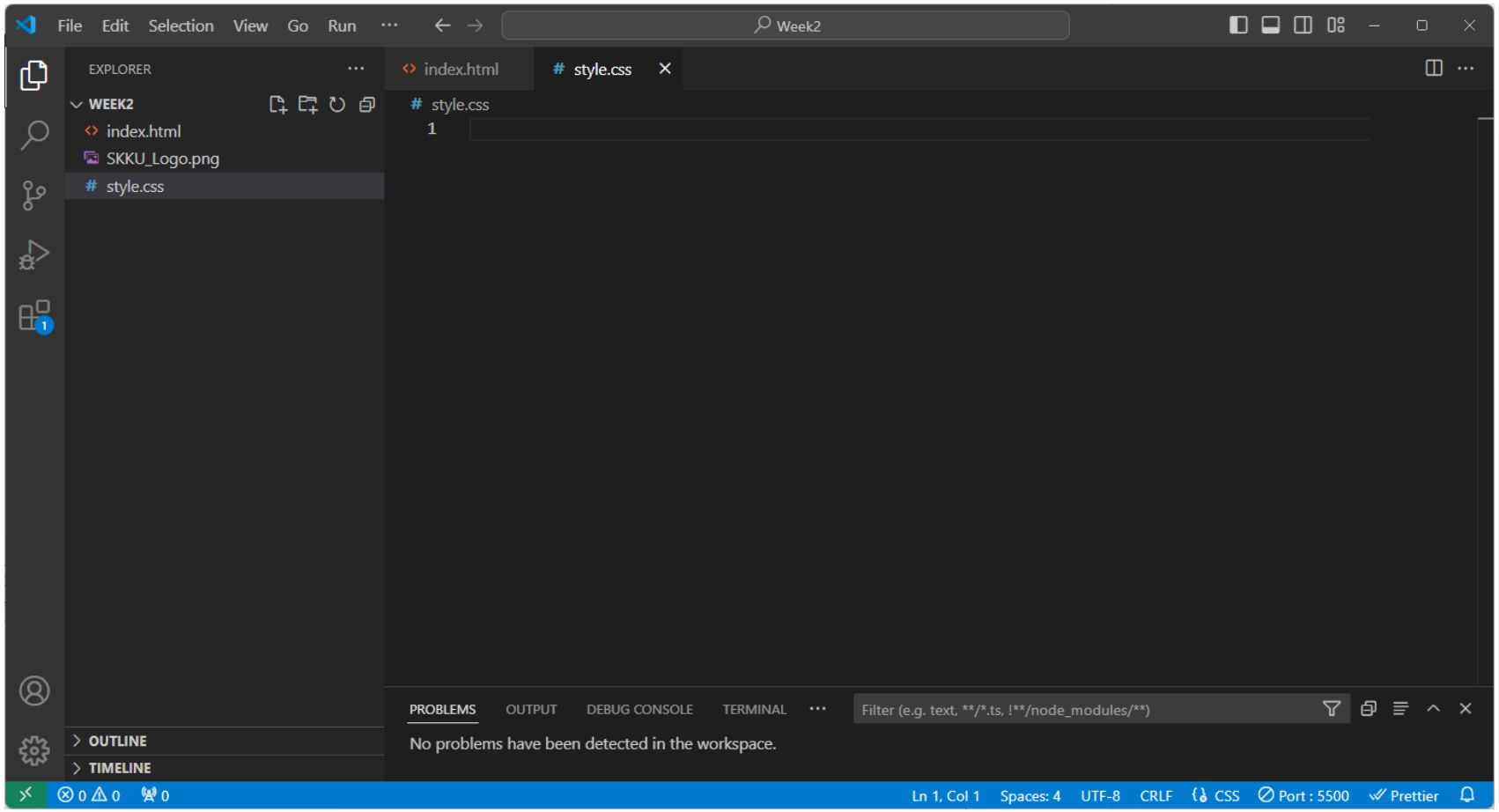
CSS Insertion

- We can add CSS code in any combination of three different ways
  - Inline Style Sheet
  - Internal Style Sheet
  - External Style Sheet

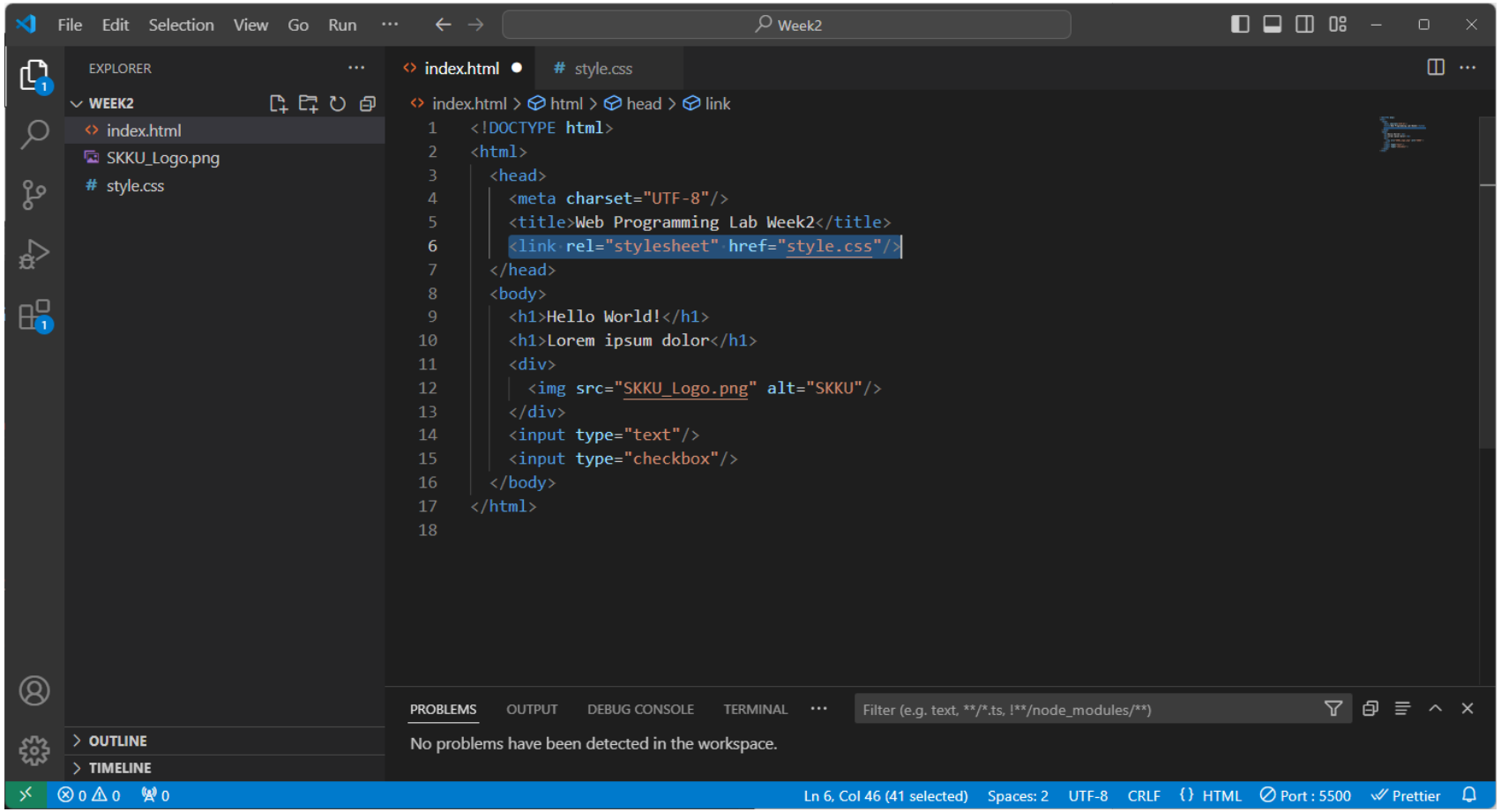
CSS Selector

- Basic selector
  - Universal selector
  - Type selector
  - Class selector
  - ID selector
- Pseudo-class selector
- Pseudo-element selector
- Attribute selector

External Style Sheet



External Style Sheet



External Style Sheet

<index.html>

```
<button id="login-btn">
    로그인
</button>
```

<style.css>

```
#login-btn {
    width:300px;
    height:30px;
    background-color:green;
    margin-top:30px;
    color:white;
}
```

Internal Style Sheet

<index.html>

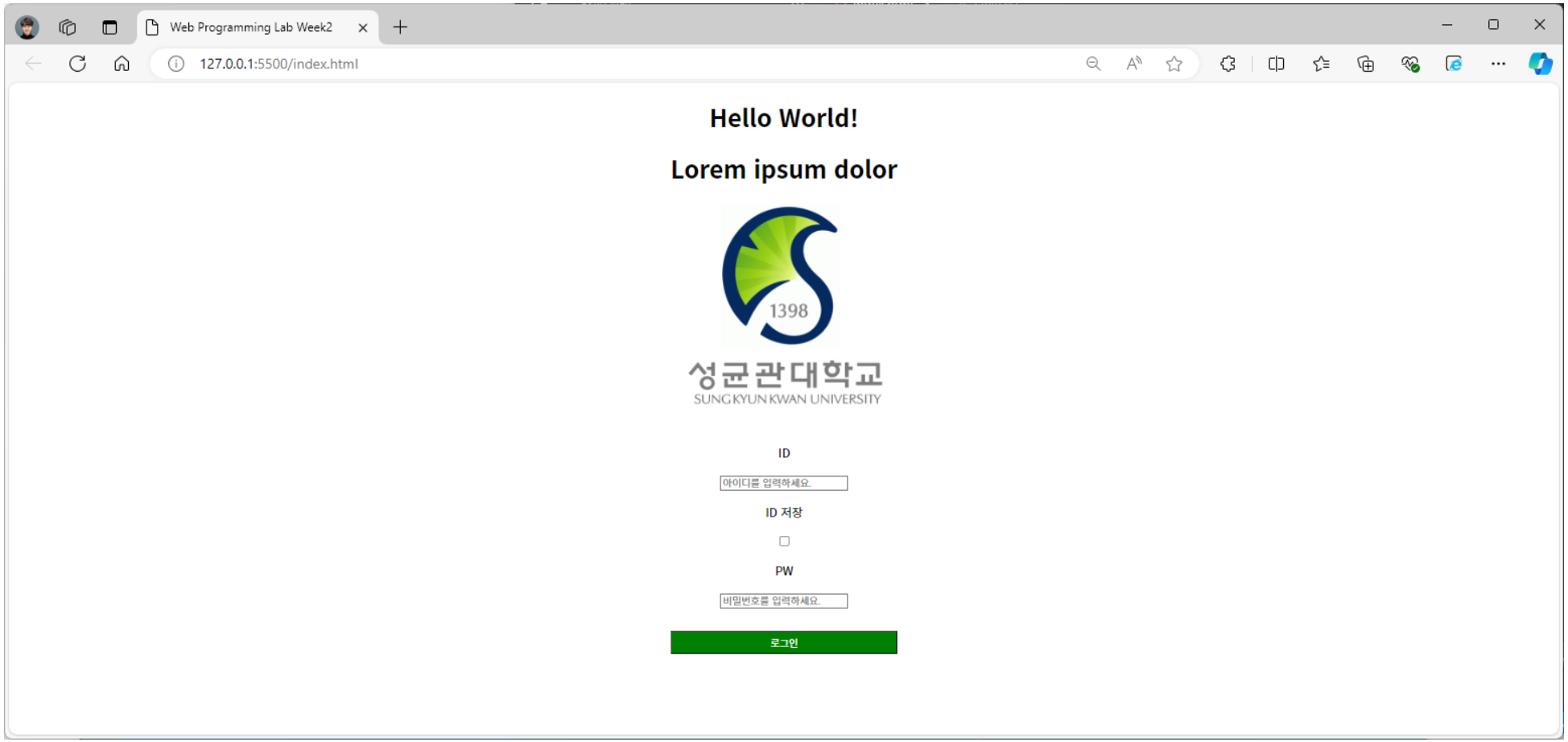
```
<head>
   <style>
      body {
        text-align: center;
      }
   </style>
</head>
```

Inline Style Sheet

<index.html>

```
<body>
    <div>
        <img src="SKKU_Logo.png" alt="SKKU" style="width:300px;
height:300px;"/>
    </div>
</body>
```

Final Result



In Next Week

- We will learn about more properties of CSS
- We will adjust arrangement of HTML elements using CSS