

# HTML5 PAGE STRUCTURE & EDITOR

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# HTML Page Structure

- Below is a visualization of an HTML page structure:
- **Note:** Only the content inside the `<body>` section (the white area above) is displayed in a browser.

`<html>`

`<head>`

`<title>Page title</title>`

`</head>`

`<body>`

`<h1>This is a heading</h1>`

`<p>This is a paragraph.</p>`

`<p>This is another paragraph.</p>`

`</body>`

`</html>`

# The <!DOCTYPE> Declaration

- The <!DOCTYPE> declaration represents the document type, and helps browsers to display web pages correctly.
- It must only appear once, at the top of the page (before any HTML tags).
- The <!DOCTYPE> declaration is not case sensitive.
- The <!DOCTYPE> declaration for HTML5 is:

```
<!DOCTYPE html>
```

# HTML Versions

- Since the early days of the web, there have been many versions of HTML:


Version	Year
HTML	1991
HTML 2.0	1995
HTML 3.2	1997
HTML 4.01	1999
XHTML	2000
HTML5	2014

# HTML Editors

- Write HTML Using Notepad or TextEdit or Notepad++ ...
  - Web pages can be created and modified by using professional HTML editors.
  - However, for learning HTML we recommend a simple text editor like **Notepad** (PC) or **Notepad++** (PC) or TextEdit (Mac) .
  - We believe using a simple text editor is a good way to learn HTML.
  - Follow the four steps below to create your first web page with Notepad or TextEdit.
- Another selection
  - Use visual tools like **Brackets**.

Using notepad

# notepad

 查看更多結果

notepad

關機

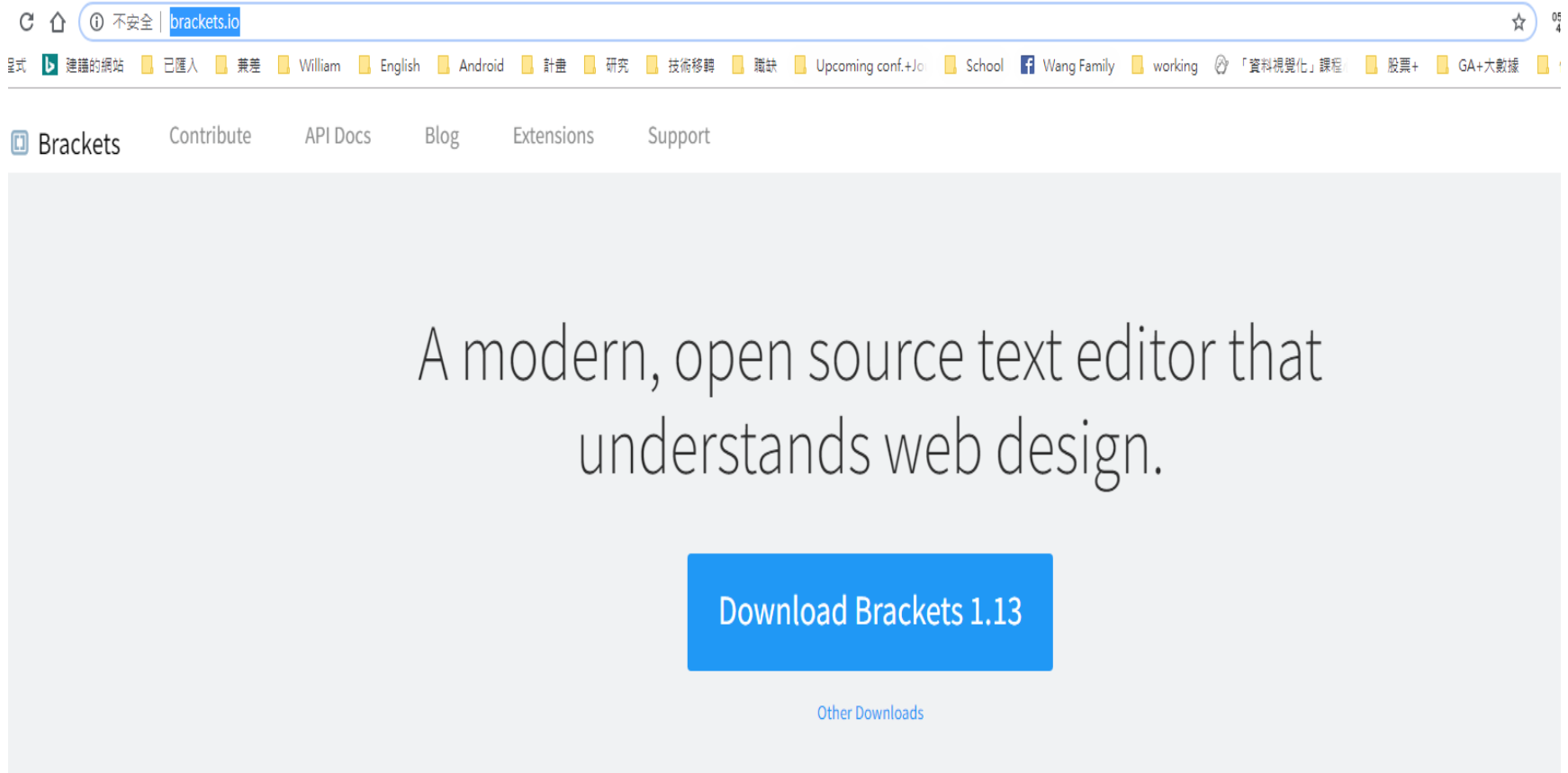


Using brackets

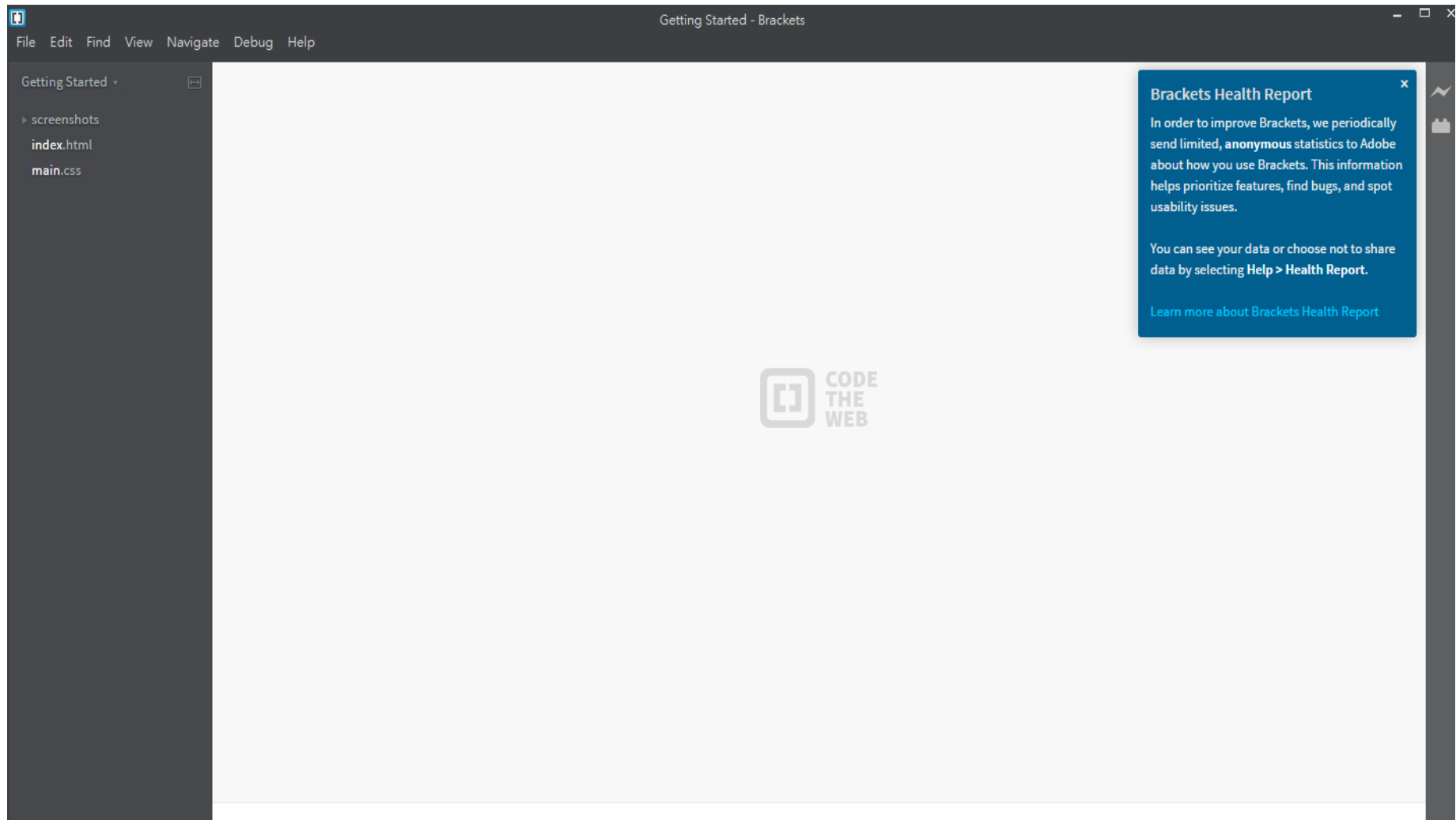


# Download

- Go to the below web for your download
- <http://brackets.io/>



# Brackets



# Open folder for your working directory

- [file] → [open folder]

File	Edit	Find	View	Navigate	Debug	Help
New						Ctrl+N
Open...						Ctrl+O
Open Folder...						Ctrl+Alt+O
Open Recent...						Alt+O
Close						Ctrl+W
Close All						Ctrl+Shift+W
Save						Ctrl+S
Save All						Ctrl+Alt+S
Save As...						Ctrl+Shift+S
Live Preview						Ctrl+Alt+P
Enable Experimental Live Preview						
Project Settings...						
Extension Manager...						
Exit						Ctrl+Q

# Get a file

- Click on the left [file tab]
- The editor area is on the right hand side.

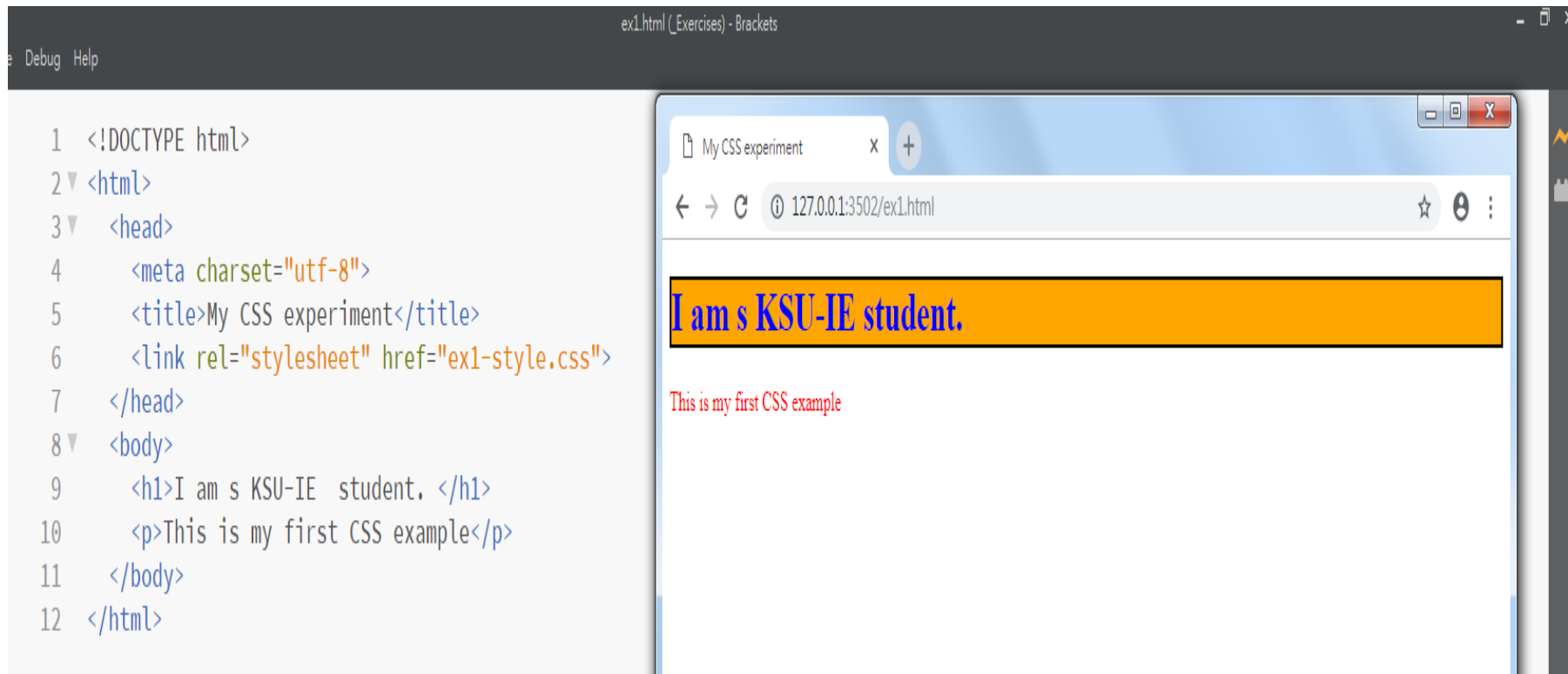


The screenshot shows the Brackets code editor interface. On the left, a sidebar displays a file explorer with a folder named "\_Exercises" containing several files: "ex1.html", "ex1-style.css", "ex2.html", "ex2-style.css", and "ex3.html". The "ex1.html" file is selected and highlighted. The main editor area on the right displays the content of "ex1.html", which is an HTML document. The code is as follows:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="utf-8">
5      <title>My CSS experiment</title>
6      <link rel="stylesheet" href="ex1-style.css">
7  </head>
8  <body>
9      <h1>I am s KSU-IE student. </h1>
10     <p>This is my first CSS example</p>
11 </body>
12 </html>
```

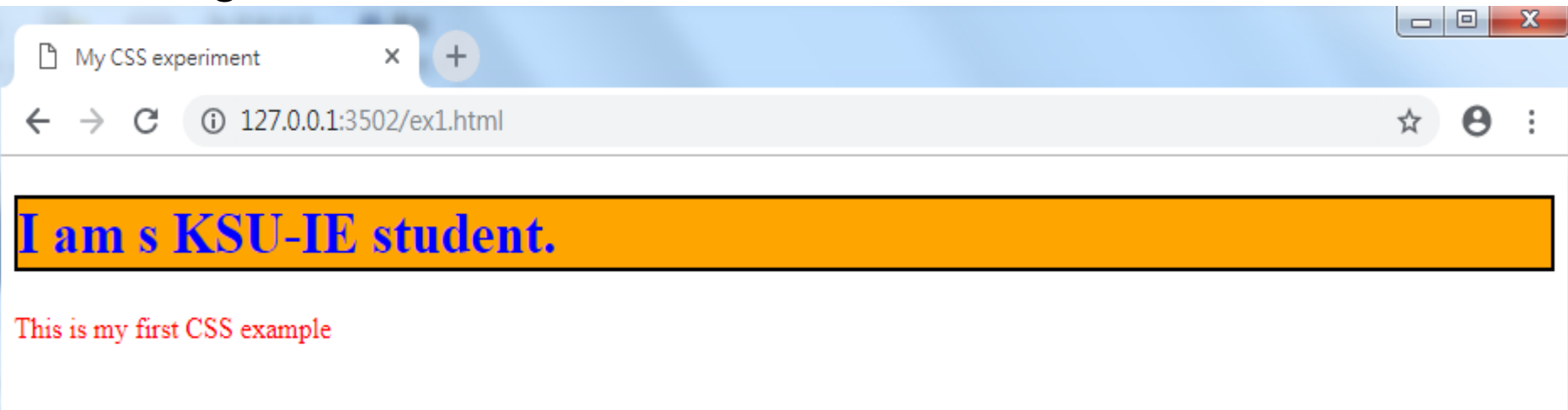
# Preview the result

- Click on the [thunder] logo on the RHS to preview the result that called Chrome as a default browser.

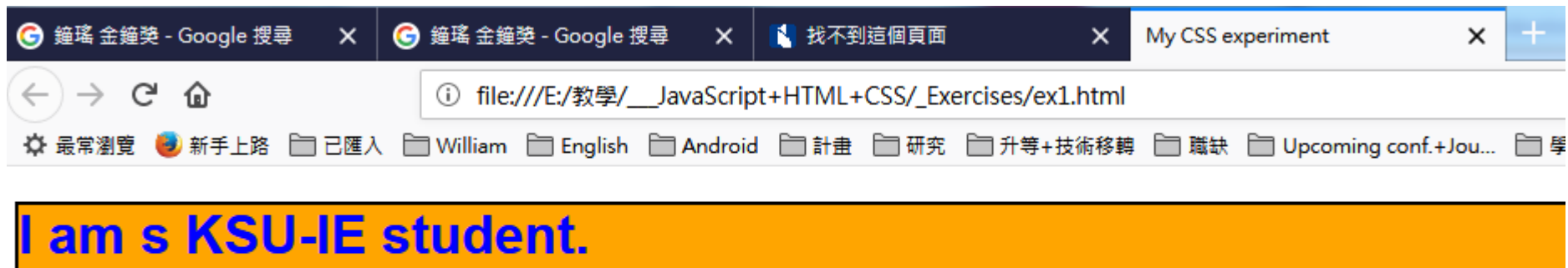


# Using port 3502

- Using Brackets

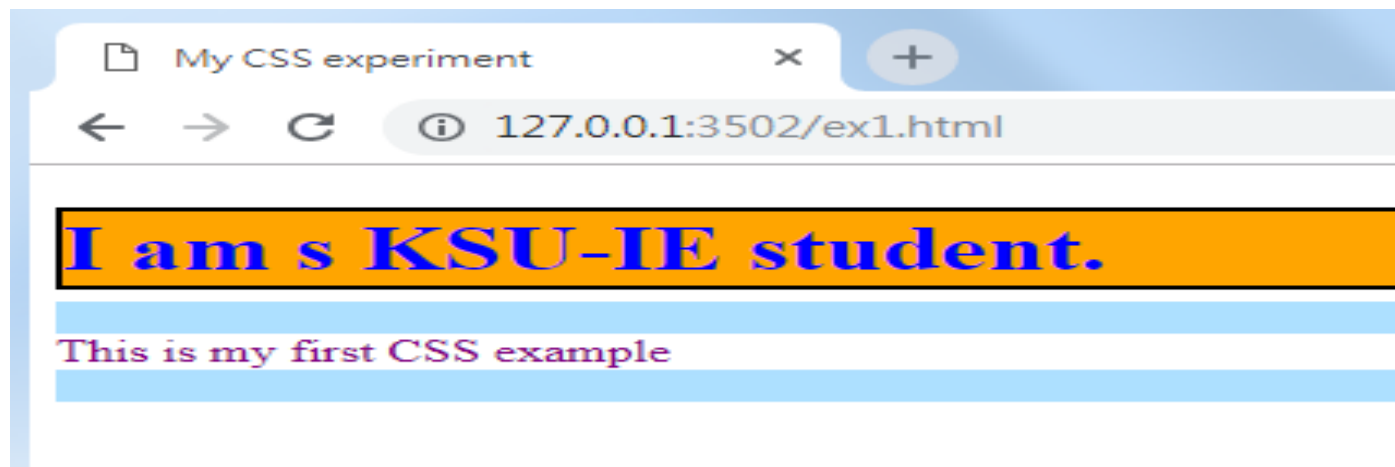
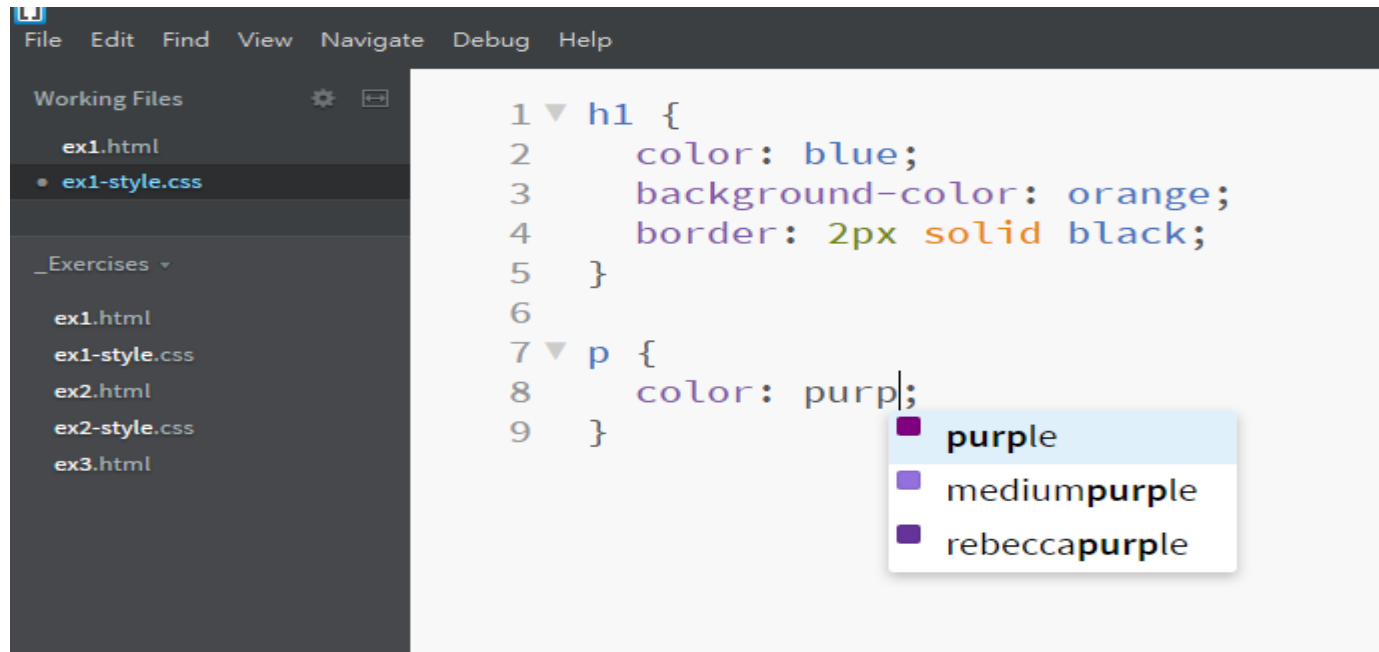


- Using notepad



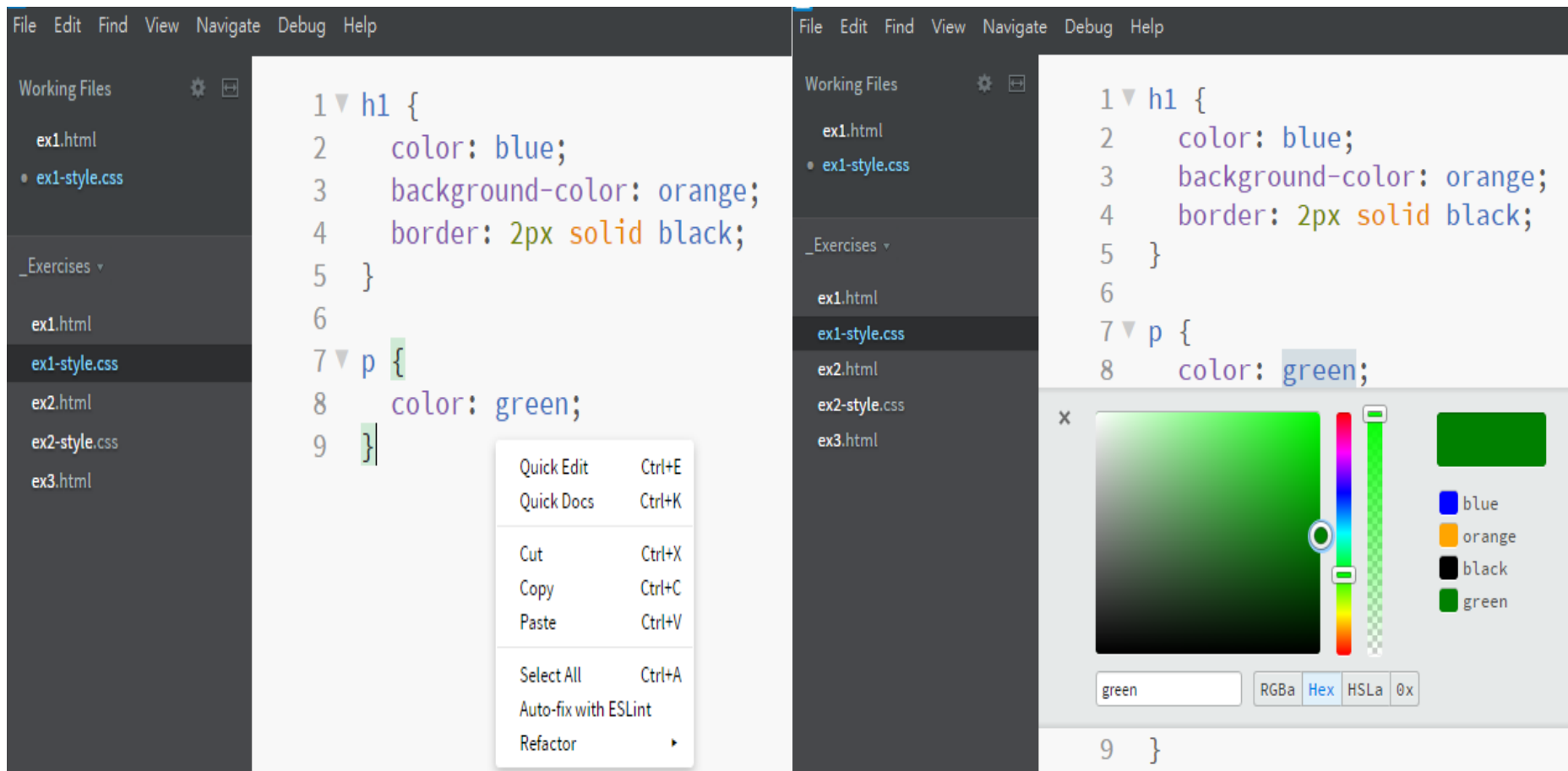
This is my first CSS example

# Editing the CSS color



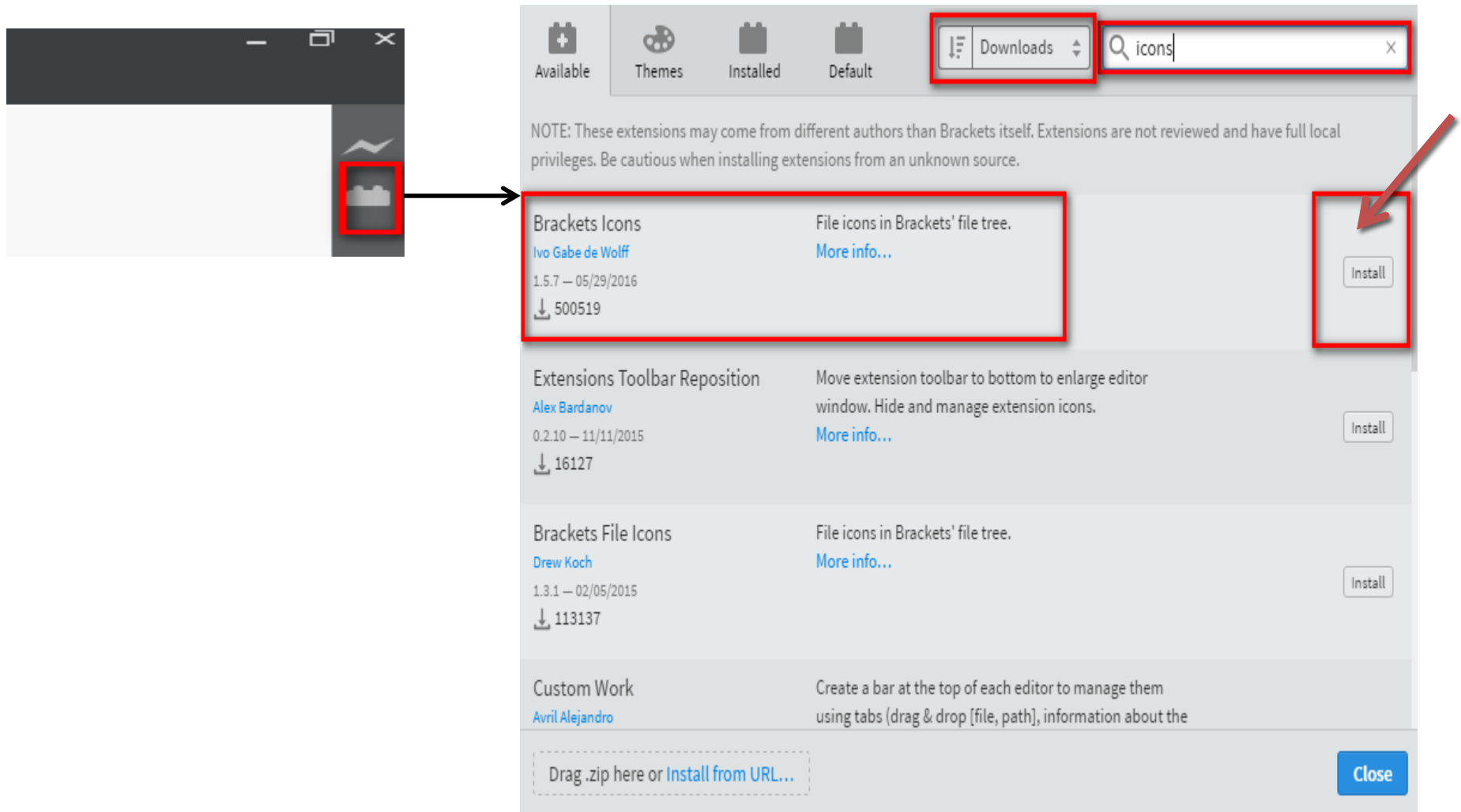
# More colors

- Click the color keyword, then click on the RHS of your mouse. Click [Quick Edit] and choose the color you want





# Plug in packages



The image shows the Brackets Extensions Manager interface. On the left, a small window shows the 'Extensions' icon in the sidebar, highlighted with a red box and an arrow pointing to the main window. The main window has a top bar with tabs: 'Available', 'Themes', 'Installed', and 'Default'. The 'Available' tab is selected. A search bar contains the text 'icons'. Below the search bar, a list of extensions is shown. The first extension, 'Brackets Icons' by Ivo Gabe de Wolff, is highlighted with a red box. It has a version of 1.5.7, a date of 05/29/2016, and 500519 downloads. To its right, an 'Install' button is highlighted with a red box and a red arrow. Below this, two other extensions are listed: 'Extensions Toolbar Reposition' by Alex Bardanov and 'Brackets File Icons' by Drew Koch. At the bottom, there is a dashed box with the text 'Drag .zip here or [Install from URL...](#)' and a 'Close' button.

Available Themes Installed Default

Downloads icons

NOTE: These extensions may come from different authors than Brackets itself. Extensions are not reviewed and have full local privileges. Be cautious when installing extensions from an unknown source.

**Brackets Icons**  
Ivo Gabe de Wolff  
1.5.7 — 05/29/2016  
500519  
File icons in Brackets' file tree.  
[More info...](#)  
Install

Extensions Toolbar Reposition  
Alex Bardanov  
0.2.10 — 11/11/2015  
16127  
Move extension toolbar to bottom to enlarge editor window. Hide and manage extension icons.  
[More info...](#)  
Install

Brackets File Icons  
Drew Koch  
1.3.1 — 02/05/2015  
113137  
File icons in Brackets' file tree.  
[More info...](#)  
Install

Custom Work  
Avril Alejandro  
Create a bar at the top of each editor to manage them using tabs (drag & drop [file, path], information about the

Drag .zip here or [Install from URL...](#)

Close

# Packages installed successfully



```
ex1.html (Exercises) - Brackets
File Edit Find View Navigate Debug Help

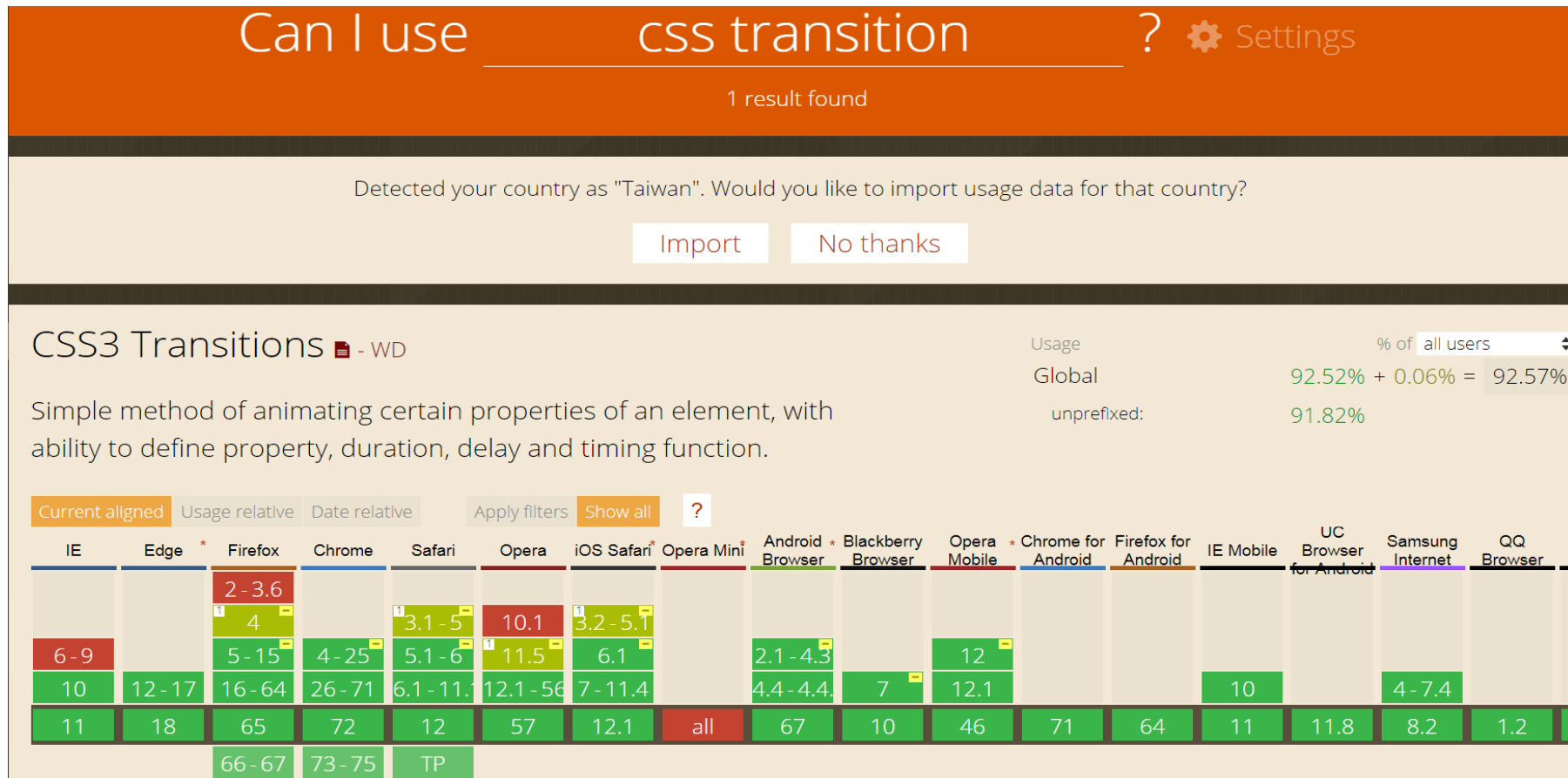
Working Files
<> ex1.html
# ex1-style.css

_Exercises ▾
ex1.html
ex1-style.css
ex2.html
ex2-style.css
ex3.html

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>My CSS experiment</title>
6   <link rel="stylesheet" href="ex1-style.css">
7 </head>
8 <body>
9   <h1>I am s KSU-IE student. </h1>
10  <p>This is my first CSS example</p>
11 </body>
12 </html>
```

# References

- <https://www.w3schools.com/>
- <https://caniuse.com/> to make sure what browsers support
- What is **CSS** transitions?  
[http://www.w3school.com.cn/tiy/t.asp?f=css3\\_transition](http://www.w3school.com.cn/tiy/t.asp?f=css3_transition)



# Try it out

[illegible]

The End