

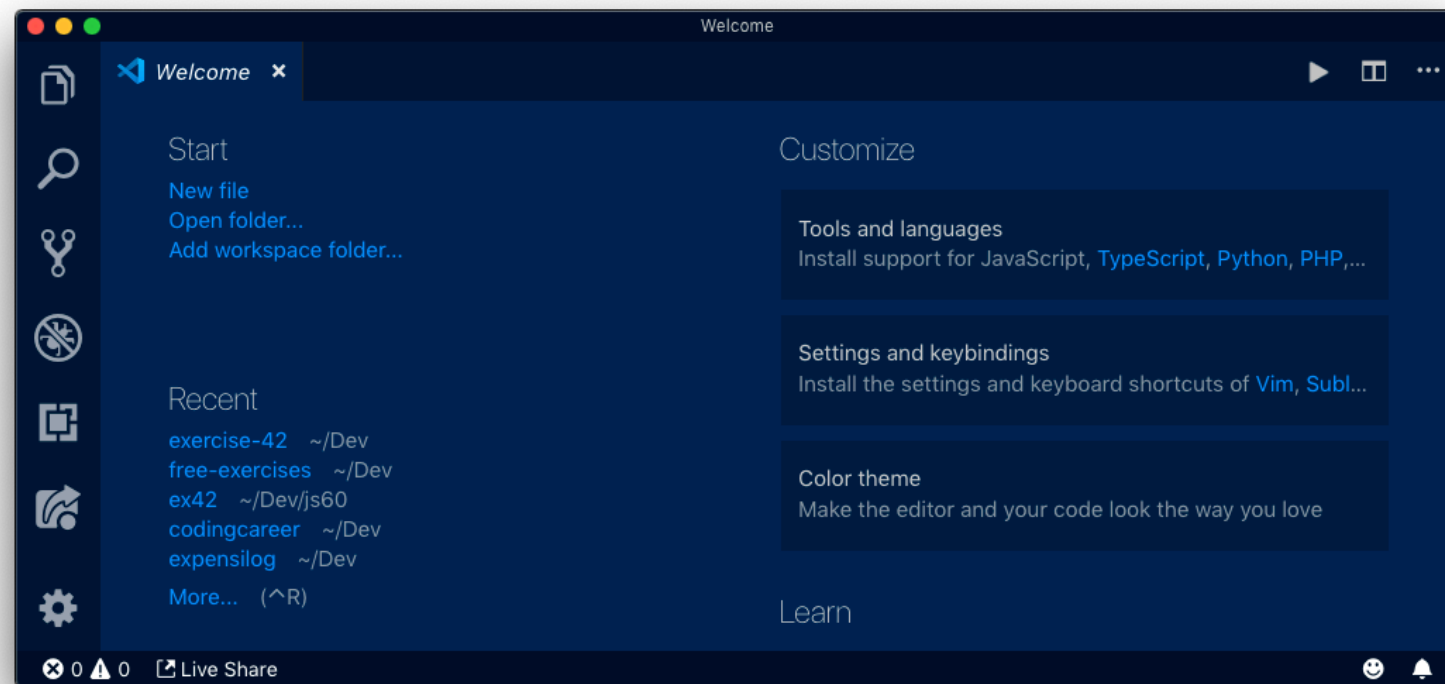


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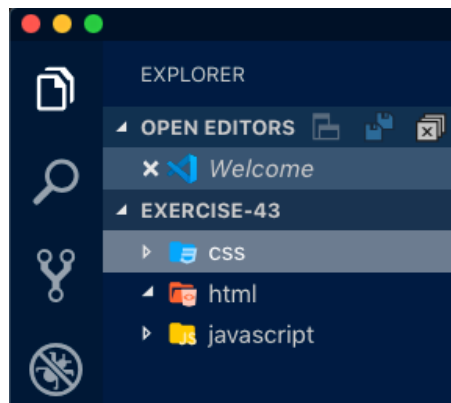
# Exercise 43

## *MAKING HTML, CSS, AND JAVASCRIPT WORK TOGETHER*

- Within VS Code, click **File > New Window**



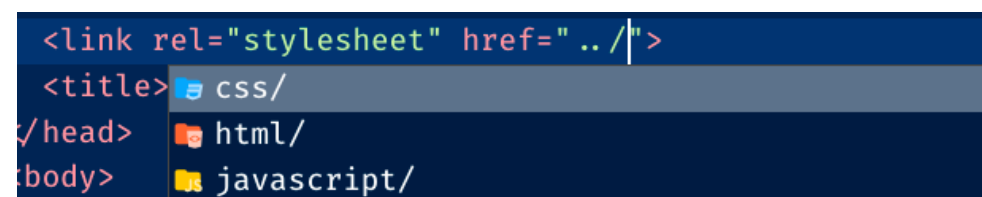
- Click **File > Open**, then click the **New Folder** button.
- Add a new folder called **ex43**
- In Exercise 42, you created a folder called **html**. Create that again here, along with folders for **css** and **javascript**.



- ☐ Create a new file, `index.html`, in the `html` folder.
- ☐ Create a new file, `index.css`, in the `css` folder.
- ☐ Create a new file, `index.js`, in the `javascript` folder.
- ☐ As you did in Exercise 42, create the boilerplate code in `index.html` by typing `doc` followed by pressing **Tab**.
- ☐ Inside the `<body>` tags, type `<p>Hello<span id="name"></span></p>`
- ☐ Within `index.css`, create a selector for `body` with a rule of `font-size` of `1.3em`.
- ☐ Back in `index.html`, directly above the `<title>` tags, type `link`, then press **Tab**. That should produce this:
 

```
<link rel="stylesheet" href="">
<title>Document</title>
```
- ☐ Place your cursor between the quotes in the `href` attribute and type `../`

An overlay appears:



These shortcuts are due to an included plugin called "Emmet". It's well worth checking out the cheatsheet for Emmet at: <https://www.cheatography.com/deftcode/cheat-sheets/deftcode-emmet/pdf/>

Since there's only one file in the folder, you'll only have a choice of "index.css"

□ Highlight **css** and press **Enter**.

● Another overlay appears, offering you a choice of all files in the **css** folder:

```
<link rel="stylesheet" href=" ../css/">
<title> index.css
```

□ Choose **index.css**. Your **index.html** is now linked to **index.css**. Any changes you make to either of those files will be immediately reflected in the browser.

□ Now, open **index.js**. In that file create a variable, **myName**, with your name. Then, using either **getElementById** or **querySelector** to target the **<span>** with the **id** of **name**. In the **innerHTML**, place the value of **myName**.

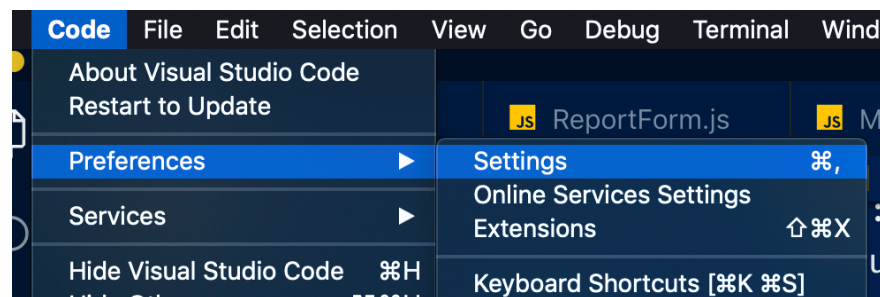
□ The last thing you need to do is to connect **index.js** to **index.html**. To do that, place this snippet just above the closing **</body>** tag:

```
<script src="../javascript/index.js"></script>
```

And you're done!

On the video accompanying these instructions, I mention using the Fira Code monospaced font with programming ligatures.

The font is available for free at: <https://github.com/tonsky/FiraCode>. You can download the font, then select **Code > Preferences > Settings**:



You should see a Settings page. Select the Font option and fill in the settings as shown below:

UserWorkspace

Commonly Used

Text Editor

Cursor

Find

Font

Formatting

Diff Editor

Minimap

Suggestions

Files

Workbench

Window

Features

Application

Extensions

Controls the font family.

FiraCode-Retina

Font Ligatures

☒ Enables/Disables font ligatures.

Font Size

Controls the font size in pixels.

16

Font Weight

Controls the font weight.

normal