

~\js\main.js

```
1  const htmlCodeEl = document.querySelector("[data-html]");
2  const cssCodeEl = document.querySelector("[data-css]");
3  const jsCodeEl = document.querySelector("[data-js]");
4  const codeEl = document.querySelector("[data-code]").contentWindow.document;
5  const runButtonEl = document.querySelector("#run");
6  const clearButtonEl = document.querySelector("#clear");
7
8  const defaultEditorSettings = {
9    styleActiveLine: true,
10   lineNumbers: true,
11   matchBrackets: true,
12   tabSize: 2,
13   indentUnit: 2,
14   theme: "monokai",
15   lineWrapping: true,
16 };
17
18 const jsEditor = CodeMirror.fromTextArea(jsCodeEl, {
19   ...defaultEditorSettings,
20   mode: "javascript",
21 });
22
23 const cssEditor = CodeMirror.fromTextArea(cssCodeEl, {
24   ...defaultEditorSettings,
25   mode: "css",
26 });
27
28 const htmlEditor = CodeMirror.fromTextArea(htmlCodeEl, {
29   ...defaultEditorSettings,
30   mode: "xml",
31   tags: {
32     style: [
33       ["type", /^text\/(x-)?scss$/, "text/x-scss"],
34       [null, null, "css"],
35     ],
36     custom: [[null, null, "customMode"]],
37   },
38 });
39
40 for (const editor of [jsEditor, cssEditor, htmlEditor]) {
41   editor.on("blur", (codeMirror) => {
42     codeMirror.save();
43   });
44 }
45
46 runButtonEl.addEventListener("click", () => {
47   const htmlCode = htmlCodeEl.value;
48   const cssCode = cssCodeEl.value;
49   const jsCode = jsCodeEl.value;
50
51   codeEl.open();
52   codeEl.write(`<style>${cssCode}</style>`);
53   codeEl.write(htmlCode);
54   codeEl.write(`<script>${jsCode}</script>`);
55   codeEl.close();
56 });
57
```

```
58 | clearButtonEl.addEventListener("click", () => {  
59 |   htmlEditor.setValue("");  
60 |   cssEditor.setValue("");  
61 |   jsEditor.setValue("");  
62 | });
```