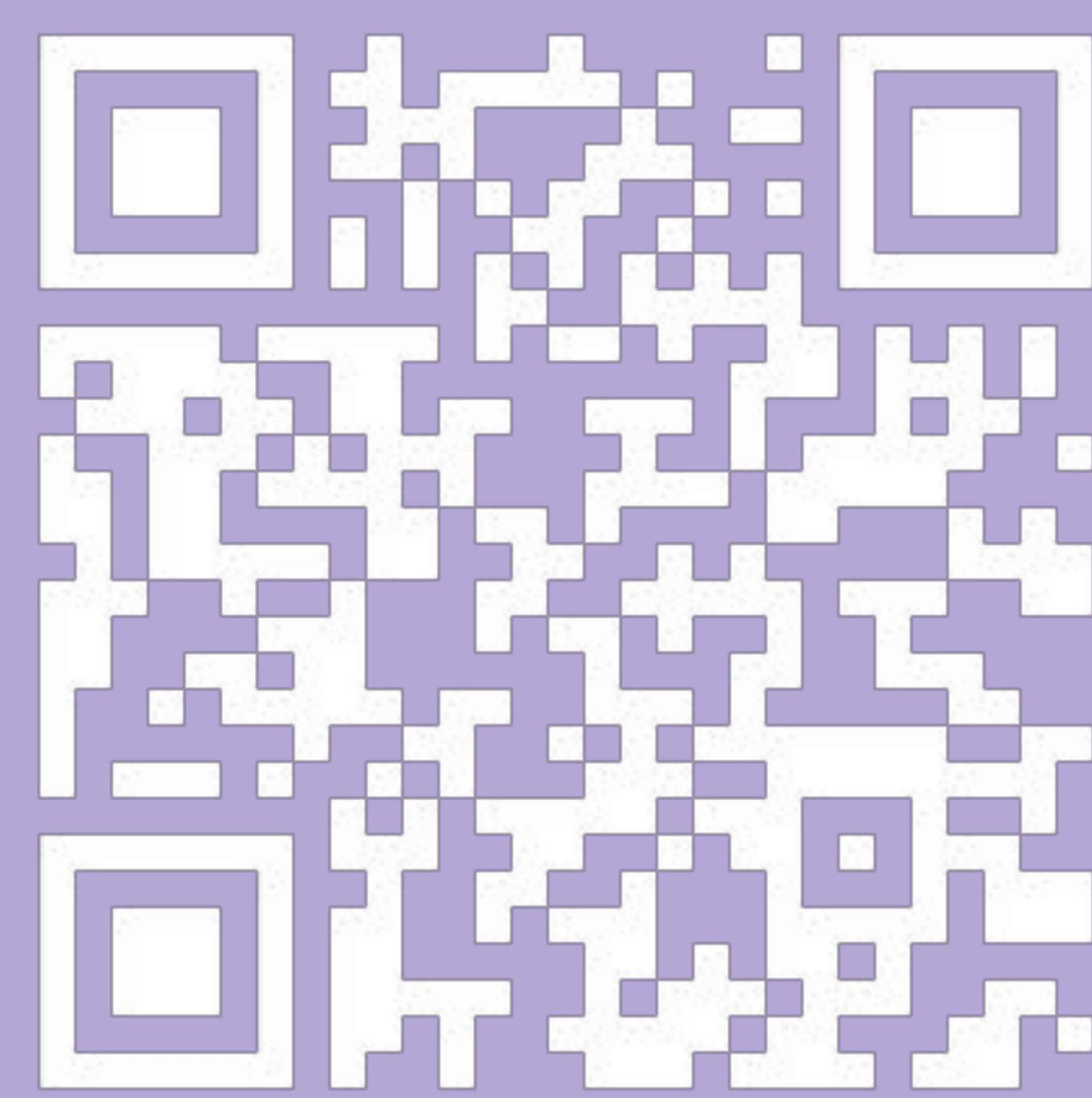


Empirical

a C++ library to support efficient, reliable, and accessible scientific software

github.com
/devosoft
/Empirical



Write a web interface with **Empirical**, then compile to **JavaScript** with **Emscripten**, and then... serve your **C++** in a web browser!

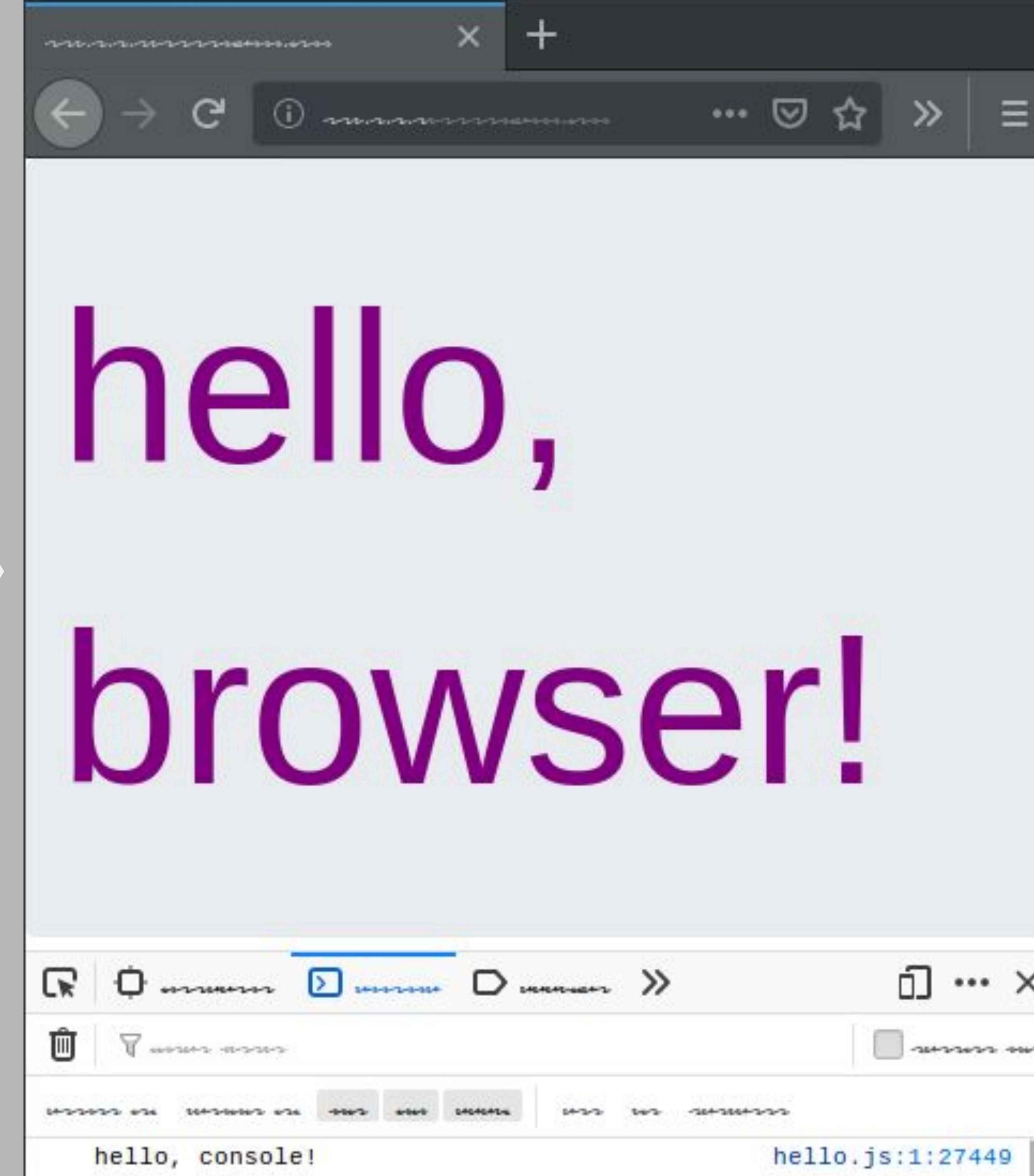
```
#include <iostream>
#include "web/web.h"
// attach handle to target div
emp::web::Document doc("target");
int main() {
    // style and inject into target
    doc.SetAttr("class", "jumbotron");
    doc << emp::web::Font(
        100, "purple"
    ) << "hello, browser!";
    // print to the console
    std::cout << "hello, console!";
}
```



```
<html>
    <body>
        <div id="target"></div>
    </body>

    <script src="jquery.min.js">
    </script>
    <script src="hello.js">
    </script>
    <link rel="stylesheet"
        href="bootstrap.min.css">

</html>
```



web features:

- buttons, keypress, and form input
- html canvas drawing
- d3.js integration
- live-display variables
- add and manipulate css, html attributes
- animation
- ... and more!

other features:

- debug tools for audited memory management
- configuration and data management tools
- cutting-edge digital evolution tools
- header-only library
- encapsulated within `emp` namespace



live multicellularity digital evolution demo

built with **Empirical**
...
(mobile friendly!)

mmore500.github.io/dishtiny

