

UTF-8 source code with LuaLaTeX

If you want to use special UTF-8 characters in your source code, you need to setup a custom monospace font that includes the needed special characters and use LuaLaTeX as the font rendering engine. `\setmonofont{...}` is better than using `\newfontfamily\myFontFamily{...}` because `\setmonofont{...}` also catches certain special characters.

```
// Draw bottom border
for (int col = 0; col < input.length - 1; col++) {
    if (col == 0) {
        output[col][input[0].length - 1] = "└";
    } else if (col > 0 && col < input.length - 1) {
        if (input[col][input[0].length - 2] == "┌") {
            output[col][input[0].length - 1] = "└";
        } else {
            output[col][input[0].length - 1] = "─";
        }
    }
}
```

You sometimes need to manually set the line-height of the `listings` font to avoid white background gaps when using tall special characters:

```
1 // Draw bottom border
2 for (int col = 0; col < input.length - 1; col++) {
3     if (col == 0) {
4         output[col][input[0].length - 1] = "└";
5     } else if (col > 0 && col < input.length - 1) {
6         if (input[col][input[0].length - 2] == "┌") {
7             output[col][input[0].length - 1] = "└";
8         } else {
9             output[col][input[0].length - 1] = "─";
10        }
11    }
12 }
```