CSS Compilation

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A Look Ahead

- Compile CSS
- Add vendor prefixes
- Watches
- Gracefully handling errors
- Callbacks

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Compiling CSS

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http://lesscss.org/

Using Gulp to compile Less to CSS

Must compile before browsing

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Compiling Less to CSS
*.less → *.css

Variables

Mixins

Nested Rules

Imports

Operators

Functions

Less

```less
@base: #f938ab;

.box-shadow(@style, @c) when (iscolor(@c)) {
    -webkit-box-shadow: @style @c;
    box-shadow:         @style @c;
}
.box-shadow(@style, @alpha: 50%) when (isnumber(@alpha)) {
    .box-shadow(@style, rgba(0, 0, 0, @alpha));
}
.box {
    color: saturate(@base, 5%);
    border-color: lighten(@base, 30%);
    div { .box-shadow(0 0 5px, 30%) }
}
```

CSS

```css
.box {
    color: #fe33ac;
    border-color: #fdcdea;
}
.box div {
    -webkit-box-shadow: 0 0 5px rgba(0, 0, 0, 0.3);
    box-shadow: 0 0 5px rgba(0, 0, 0, 0.3);
}
```

CSS Vendor Prefixes

https://github.com/postcss/autoprefixer

Use AutoPrefixer to add vendor prefixes

- Post CSS
- Automated
- Up to date from Can I Use http://caniuse.com/
- Customizable

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```
.sample-style {
    transform-origin: center bottom;
}

.sample-style {
    -webkit-transform-origin: center bottom;
            transform-origin: center bottom;
}
```

Added the vendor prefix

AutoPrefixer

Browser options

Visually cascades by default

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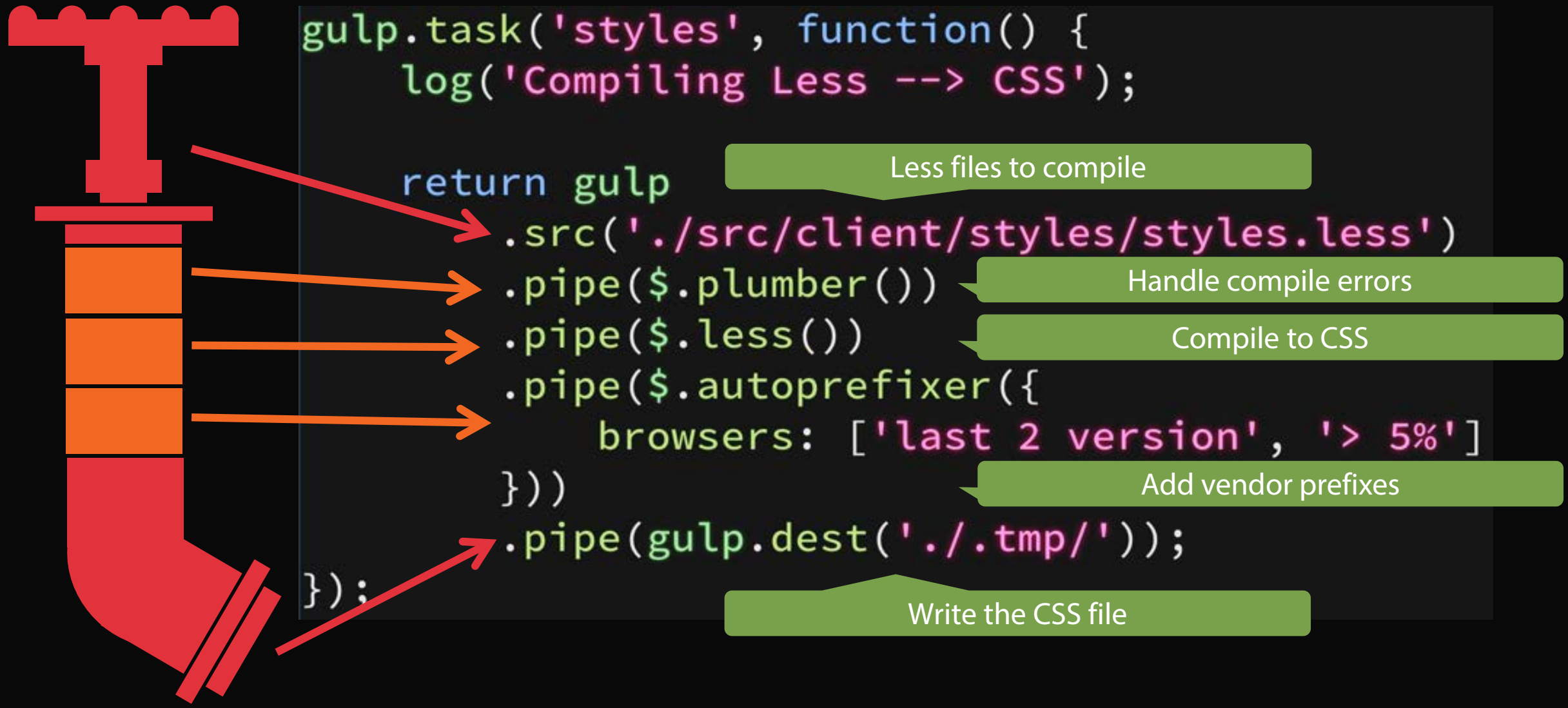

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Recap

gulp-less	Compile less to CSS
gulp-auto-prefixer	Add vendor prefixes
on('error', fn)	Handle events
gulp-plumber	Gracefully handle errors in watches
callbacks	End the stream

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