

# Learning ECMAScript 6: Moving to the New JavaScript

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Joris Hermans

Video 1.3

*Basic Transpiling*



In this Video, we are going to take a look at...

- What is transpiling
- npm scripts
- Using .babelrc file

# What Is a Transpiler

- Source to Source compiler
- ES6 to JavaScript compiler
- Next specification to current specification

mud

node\_modules

package.json

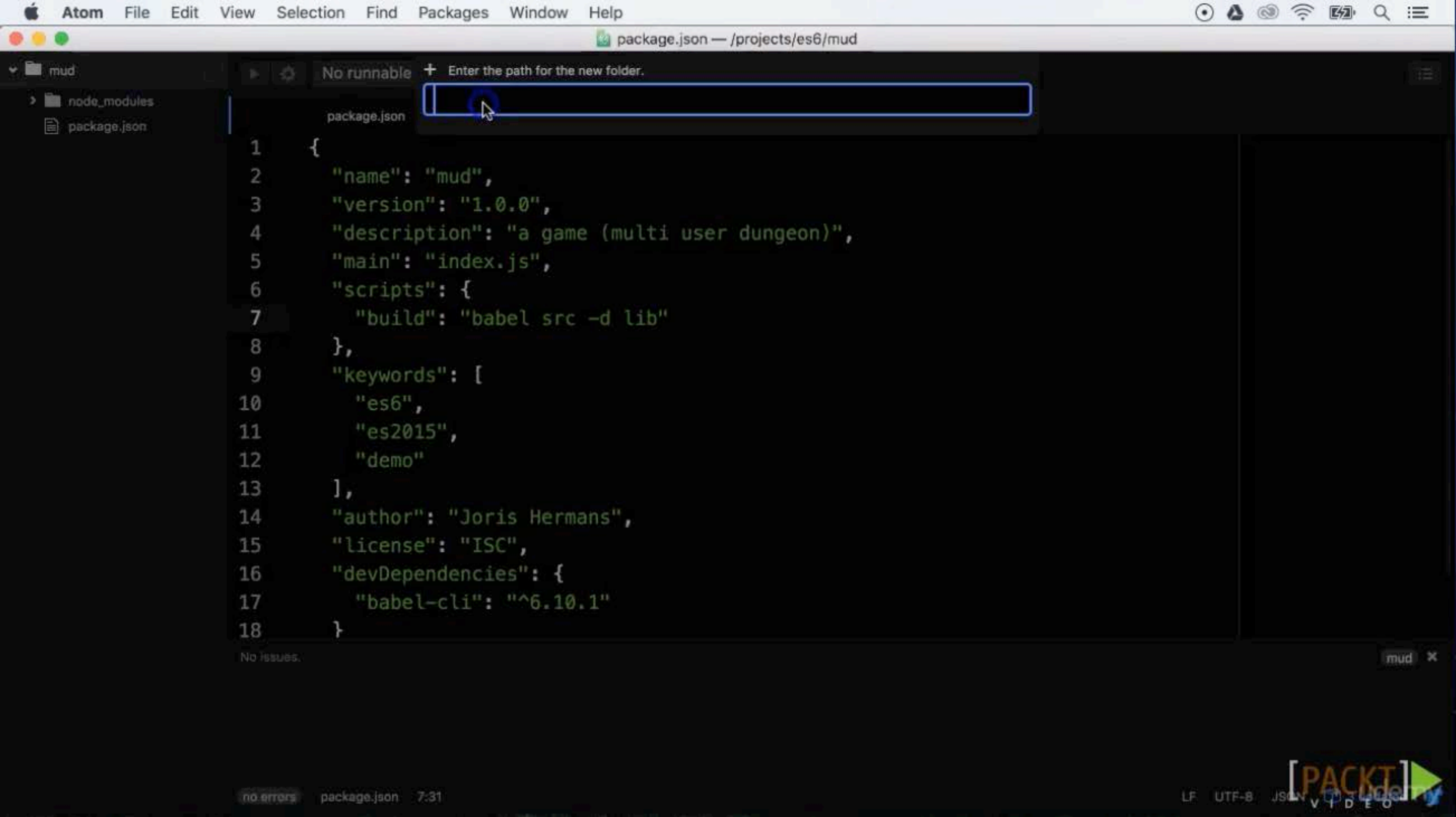
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Welcome

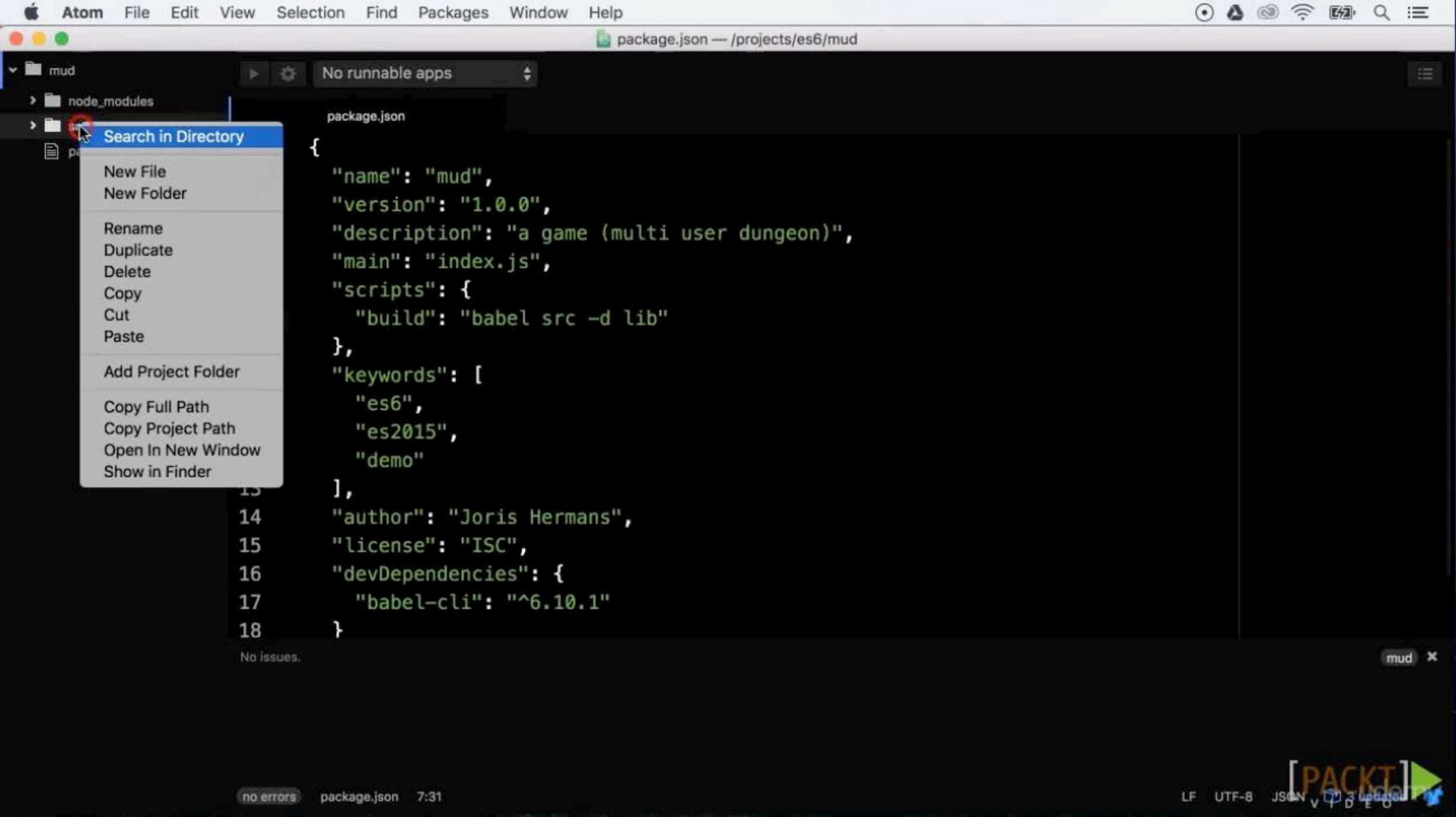
Settings

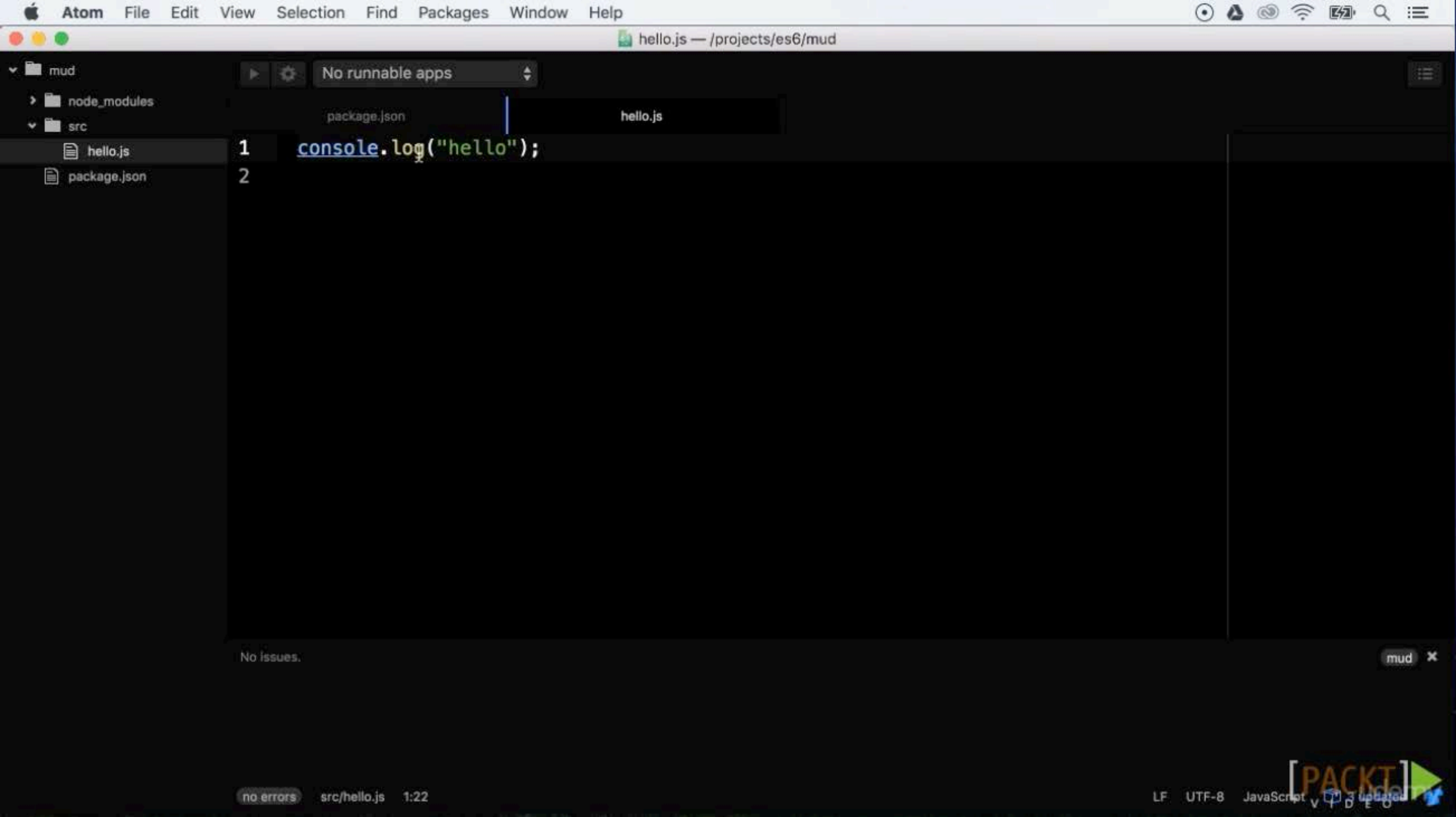
```
1  {
2    "name": "mud",
3    "version": "1.0.0",
4    "description": "a game (multi user dungeon)",
5    "main": "index.js",
6    "scripts": {
7      "test": "echo \"Error: no test specified\" && exit 1"
8    },
9    "keywords": [
10     "es6",
11     "es2015",
12     "demo"
13   ],
14   "author": "Joris Hermans",
15   "license": "ISC",
16   "devDependencies": {
17     "babel-cli": "^6.10.1"
18   }
}
```

No issues. mud x









MacBook-Pro-van-Joris:mud jorishermans\$ npm run build

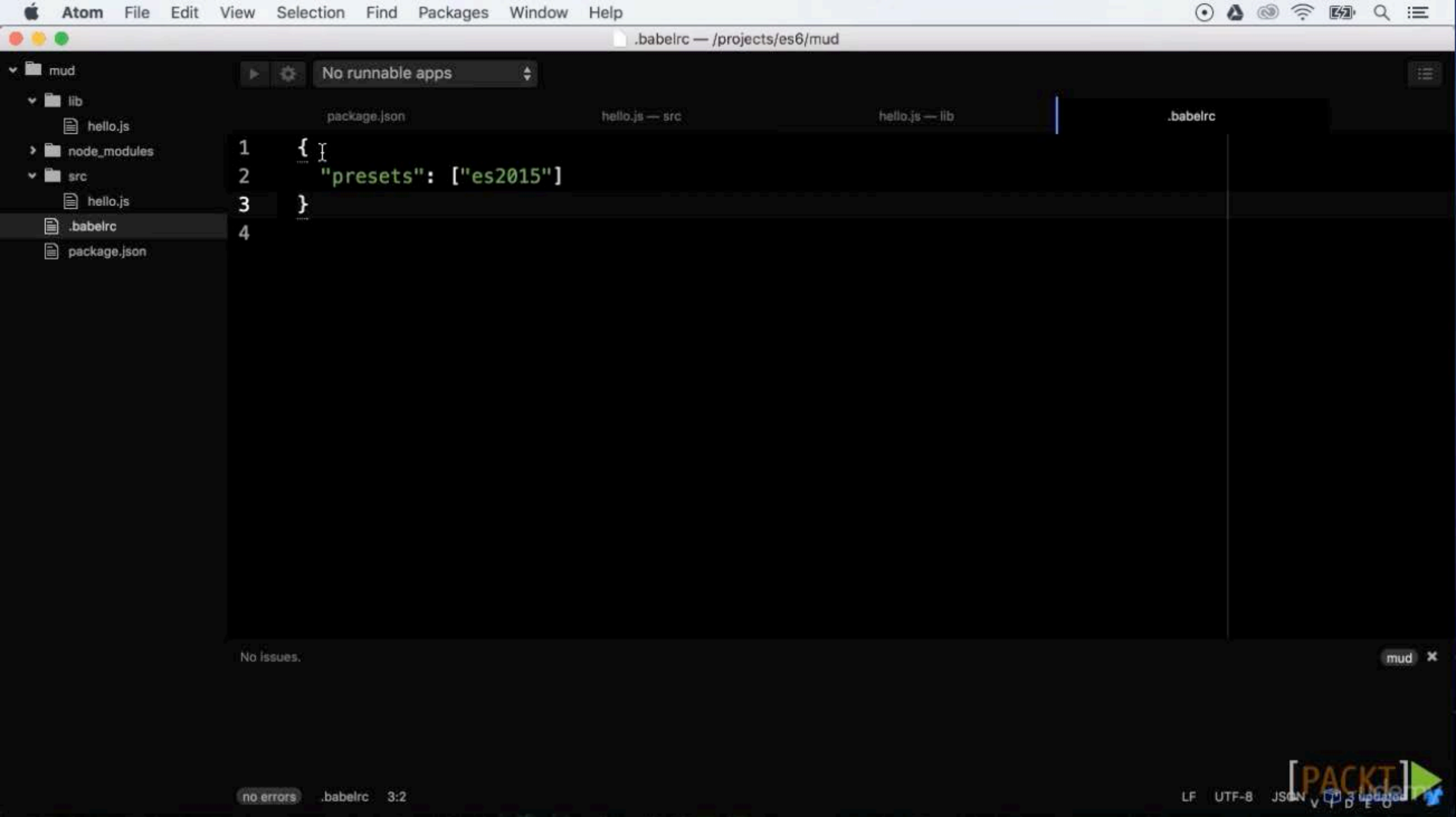
```
> mud@1.0.0 build /projects/es6/mud
> babel src -d lib
```

```
src/hello.js -> lib/hello.js
```

MacBook-Pro-van-Joris:mud jorishermans\$



MacBook-Pro-van-Joris:mud jorishermans\$ npm install babel-preset-es2015 --save-dev



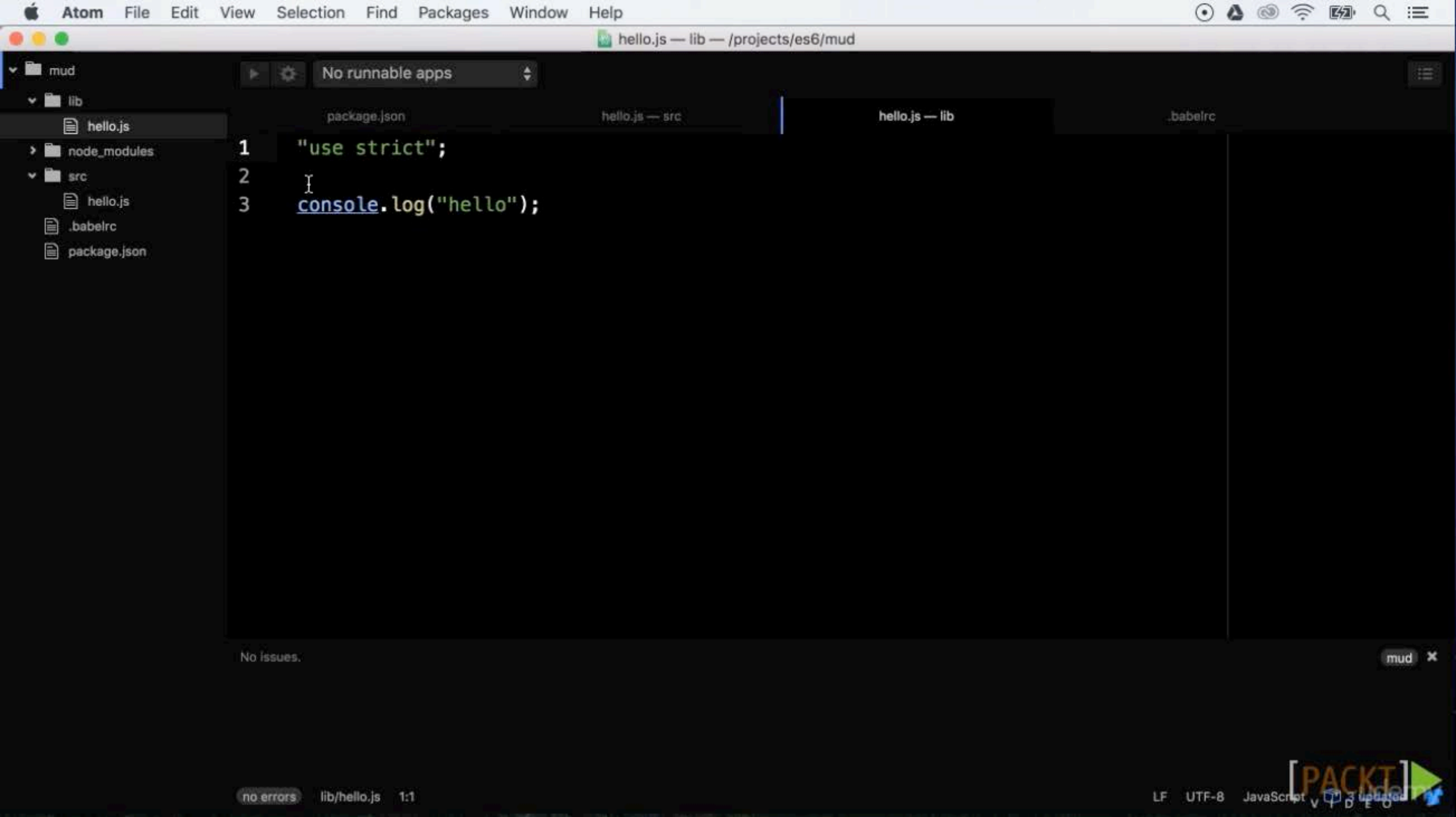
MacBook-Pro-van-Joris:mud jorishermans\$ npm run build

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```
> babel src -d lib
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```
src/hello.js -> lib/hello.js
```

MacBook-Pro-van-Joris:mud jorishermans\$



Screencast-O-Matic

6 Using Babel · Babel

https://babeljs.io/docs/setup/

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# Using Babel

How to use Babel with your tool of choice

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## 1 Choose your tool

Babel built-ins

CLIRequire hook

Build systems

BroccoliBrowserifyBrunchDuoGobbleGruntGulpjspmMakeMSBuildRequireJSRollupSprocketsWebpackFlyStart

Frameworks

EmberMeteorRailsSails

Test frameworks

AVAJasmineJestKarmaLabMocha

Utilities

PACKT

VIDEO



ScreenCast-O-Matic

Section 1, Lecture 3

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Go to Dashboard

Joris

https://babeljs.io/docs/setup/

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# Using Babel

How to use Babel with your tool of choice

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# Using Babel

How to use Babel with your tool of choice

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## 1 Choose your tool

### Babel built-ins

CLI Require hook

### Build systems

Broccoli Browserify Brunch Duo Gobble Grunt Gulp jspm Make MSBuild RequireJS Rollup Sprockets Webpack Fly Start

### Frameworks

Ember Meteor Rails Sails

### Test frameworks

AVA Jasmine Jest Karma Lab Mocha

### Utilities

## 2 Installation

```
$ npm install --save-dev gulp-babel
```

## 3 Usage

```
var gulp = require("gulp");
var babel = require("gulp-babel");

gulp.task("default", function () {
  return gulp.src("src/app.js")
    .pipe(babel())
    .pipe(gulp.dest("dist"));
});
```

Use `gulp-sourcemaps` like this:

```
var gulp = require("gulp");
var sourcemaps = require("gulp-sourcemaps");
var babel = require("gulp-babel");
var concat = require("gulp-concat");

gulp.task("default", function () {
  return gulp.src("src/**/*.js")
```

Next Video

Browser Support