This example demonstrates various types of source-maps.

example.coffee

```
# Taken from http://coffeescript.org/

# Objects:
math =
   root: Math.sqrt
   square: square
   cube: (x) -> x * square x

# Splats:
race = (winner, runners...) ->
   print winner, runners
```

webpack.config.js

```
var path = require("path");
module.exports = [
   "eval",
   "eval-cheap-source-map",
   "eval-cheap-module-source-map",
   "eval-source-map",
   "cheap-source-map",
   "cheap-module-source-map",
   "inline-cheap-source-map",
   "inline-cheap-module-source-map",
   "source-map",
   "inline-source-map",
   "hidden-source-map",
   "nosources-source-map"
].map(devtool => ({
   mode: "development",
   entry: {
     bundle: "coffee-loader!./example.coffee"
   },
   output: {
       path: path.join(__dirname, "dist"),
       filename: `./[name]-${devtool}.js`
   },
   devtool,
   optimization: {
       runtimeChunk: true
}));
```

Generated source-maps

source-map.js and source-map.js.map

```
(self["webpackChunk"] = self["webpackChunk"] || []).push([[0],[
/* 0 */
!*** ../../node modules/coffee-loader/dist/cjs.js!./example.coffee ***!
 /*! unknown exports (runtime-defined) */
/*! runtime requirements: */
/ * * * / (() => {
// Taken from http://coffeescript.org/
// Objects:
var math, race;
math = {
root: Math.sqrt,
square: square,
 cube: function(x) {
  return x * square(x);
}
};
// Splats:
race = function(winner, ...runners) {
 return print(winner, runners);
};
/***/ })
/*****/ __webpack_require__ => { // webpackRuntimeModules
( webpack require ( webpack require .s = moduleId))
/*****/ var webpack exports = ( webpack exec (0));
/*****/ }
//# sourceMappingURL=bundle-source-map.js.map
```

```
{"version":3,"file":"./bundle-source-
map.js","mappings":";;;;;;;AAEU;;;AAAA;;AACV,OACE;EAAA,MAAQ,IAAI,CAAC,IAAb;EACA,QAAQ,
["webpack:///./example.coffee"],"sourcesContent":["# Taken from
http://coffeescript.org/\n\n# Objects:\nmath =\n root: Math.sqrt\n square:
square\n cube: (x) -> x * square x\n\n# Splats:\nrace = (winner, runners...) ->\n
print winner, runners\n"],"names":[],"sourceRoot":""}
```

hidden-source-map.js and hidden-source-map.js.map

```
(self["webpackChunk"] = self["webpackChunk"] || []).push([[0],[
/* 0 */
!*** ../../node modules/coffee-loader/dist/cjs.js!./example.coffee ***!
 /*! unknown exports (runtime-defined) */
/*! runtime requirements: */
/***/ (() => {
// Taken from http://coffeescript.org/
// Objects:
var math, race;
math = {
root: Math.sqrt,
square: square,
cube: function(x) {
 return x * square(x);
}
};
// Splats:
race = function(winner, ...runners) {
return print(winner, runners);
};
/***/ })
/*****/ webpack require => { // webpackRuntimeModules
/*****/ var __webpack_exec__ = (moduleId) =>
( webpack require ( webpack require .s = moduleId))
/*****/ var __webpack_exports__ = (__webpack_exec__(0));
/*****/ }
1);
```

```
{"version":3, "file":"./bundle-hidden-source-
map.js", "mappings":";;;;;;;;AAAA;;AACV,OACE;EAAA,MAAQ,IAAI,CAAC,IAAb;EACA,QAAQ,
["webpack:///./example.coffee"], "sourcesContent":["# Taken from
http://coffeescript.org/\n\n# Objects:\nmath =\n root: Math.sqrt\n square:
square\n cube: (x) -> x * square x\n\n# Splats:\nrace = (winner, runners...) ->\n
print winner, runners\n"], "names":[], "sourceRoot":""}
```

inline-source-map.js

```
(self["webpackChunk"] = self["webpackChunk"] || []).push([[0],[
/* 0 */
!*** ../../node modules/coffee-loader/dist/cjs.js!./example.coffee ***!
/*! unknown exports (runtime-defined) */
/*! runtime requirements: */
/ * * * / (() => {
// Taken from http://coffeescript.org/
// Objects:
var math, race;
math = {
 root: Math.sqrt,
square: square,
 cube: function(x) {
  return x * square(x);
 }
};
// Splats:
race = function(winner, ...runners) {
 return print(winner, runners);
/***/ })
/*****/ __webpack_require__ => { // webpackRuntimeModules
/*****/ var webpack exec = (moduleId) =>
(__webpack_require__(_webpack_require__.s = moduleId))
/*****/ var __webpack_exports__ = (__webpack_exec__(0));
/*****/ }
]);
//# sourceMappingURL=data:application/json;charset=utf-
8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiLi9idW5kbGUtaW5saW5lLXNvdXJjZS1tYXAuanMiLCJtYXBwaI
```

nosources-source-map.js.map

```
{"version":3, "file":"./bundle-nosources-source-map.js", "mappings":";;;;;;;;AAEU;;;AAAA;;AACV,OACE;EAAA,MAAQ,IAAI,CAAC,IAAb;EACA,QAAQ,["webpack:///./example.coffee"], "names":[], "sourceRoot":""}
```

eval-source-map.js

```
/*
* ATTENTION: An "eval-source-map" devtool has been used.
* This devtool is neither made for production nor for readable output files.
* It uses "eval()" calls to create a separate source file with attached SourceMaps
in the browser devtools.
* If you are trying to read the output file, select a different devtool
(https://webpack.js.org/configuration/devtool/)
* or disable the default devtool with "devtool: false".
* If you are looking for production-ready output files, see mode: "production"
(https://webpack.js.org/configuration/mode/).
*/
(self["webpackChunk"] = self["webpackChunk"] || []).push([[0],[
/* 0 */
!*** ../../node modules/coffee-loader/dist/cjs.js!./example.coffee ***!
 /*! unknown exports (runtime-defined) */
/*! runtime requirements: */
/ * * * / (() => {
eval("// Taken from http://coffeescript.org/\n\n// Objects:\nvar math, race;\n\nmath
= {\n root: Math.sqrt,\n square: square,\n cube: function(x) {\n return x *}}
square(x);\n }\n\/\Splats:\nrace = function(winner, ...runners) {\n return}
print(winner, runners);\n\;\n//# sourceURL=[module]\n//#
sourceMappingURL=data:application/json;charset=utf-
8;base64,eyJ2ZXJzaW9uIjozLCJzb3VyY2VSb290IjoiIiwic291cmNlcyI6WyJ3ZWJwYWNrOi8vLy4vZXhhb
sourceURL=webpack-internal:///0\n");
/***/ })
/*****/ webpack require => { // webpackRuntimeModules
/*****/ var webpack exec = (moduleId) =>
(__webpack_require__(__webpack_require__.s = moduleId))
/*****/ var webpack exports = ( webpack exec (0));
/*****/ }
1);
```

eval.js

```
/*
 * ATTENTION: The "eval" devtool has been used (maybe by default in mode:
"development").
 * This devtool is neither made for production nor for readable output files.
 * It uses "eval()" calls to create a separate source file in the browser devtools.
 * If you are trying to read the output file, select a different devtool
(https://webpack.js.org/configuration/devtool/)
 * or disable the default devtool with "devtool: false".
 * If you are looking for production-ready output files, see mode: "production"
(https://webpack.js.org/configuration/mode/).
```

```
(self["webpackChunk"] = self["webpackChunk"] || []).push([[0],[
/* 0 */
!*** ../../node modules/coffee-loader/dist/cjs.js!./example.coffee ***!
 /*! unknown exports (runtime-defined) */
/*! runtime requirements: */
/***/ (() => {
eval("// Taken from http://coffeescript.org/\n\n// Objects:\nvar math, race;\n\nmath
= {\n root: Math.sqrt,\n square: square,\n cube: function(x) {\n return x *
square(x);\n }\n\ Splats:\nrace = function(winner, ...runners) {\n return}
print(winner, runners); \n\; \n\n\n//#
sourceURL=webpack:///./example.coffee?../../node modules/coffee-
loader/dist/cjs.js");
/***/ })
],
/*****/ webpack require => { // webpackRuntimeModules
/*****/ var __webpack_exec__ = (moduleId) =>
(__webpack_require__(__webpack_require__.s = moduleId))
/*****/ var webpack exports = ( webpack exec (0));
/*****/ }
1);
```

eval-cheap-source-map.js

```
* ATTENTION: An "eval-source-map" devtool has been used.
^{\star} This devtool is neither made for production nor for readable output files.
* It uses "eval()" calls to create a separate source file with attached SourceMaps
in the browser devtools.
* If you are trying to read the output file, select a different devtool
(https://webpack.js.org/configuration/devtool/)
* or disable the default devtool with "devtool: false".
* If you are looking for production-ready output files, see mode: "production"
(https://webpack.js.org/configuration/mode/).
(self["webpackChunk"] = self["webpackChunk"] || []).push([[0],[
/* 0 */
!*** ../../node modules/coffee-loader/dist/cjs.js!./example.coffee ***!
 /*! unknown exports (runtime-defined) */
/*! runtime requirements: */
/ * * * / (() => {
eval("// Taken from http://coffeescript.org/\n\n// Objects:\nvar math, race;\n\nmath
= {\n root: Math.sqrt,\n square: square,\n cube: function(x) {\n return x *}}
```

```
square(x);\n }\n};\n\n// Splats:\nrace = function(winner, ...runners) {\n return
print(winner, runners);\n};\n//# sourceURL=[module]\n//#
sourceMappingURL=data:application/json;charset=utf-
8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiMC5qcyIsIm1hcHBpbmdzIjoiQUFBQTtBQUNBO0FBQ0E7QUFDQ:
sourceURL=webpack-internal:///0\n");

/***/ })

],

/*****/ __webpack_require__ => { // webpackRuntimeModules
/******/ var __webpack_exec__ = (moduleId) =>
(__webpack_require__(_webpack_require__.s = moduleId))
/*****/ var __webpack_exports__ = (__webpack_exec__(0));
/*****/ }
]);
```

eval-cheap-module-source-map.js

```
* ATTENTION: An "eval-source-map" devtool has been used.
^{\star} This devtool is neither made for production nor for readable output files.
* It uses "eval()" calls to create a separate source file with attached SourceMaps
in the browser devtools.
* If you are trying to read the output file, select a different devtool
(https://webpack.js.org/configuration/devtool/)
* or disable the default devtool with "devtool: false".
* If you are looking for production-ready output files, see mode: "production"
(https://webpack.js.org/configuration/mode/).
(self["webpackChunk"] = self["webpackChunk"] || []).push([[0],[
/* 0 */
!*** ../../node modules/coffee-loader/dist/cjs.js!./example.coffee ***!
 /*! unknown exports (runtime-defined) */
/*! runtime requirements: */
/***/ (() => {
= {\n root: Math.sqrt,\n square: square,\n cube: function(x) {\n return x *
square(x); \n }\n}; \n\n// Splats: \nrace = function(winner, ...runners) {\n return}
print(winner, runners);\n\;\n//# sourceURL=[module]\n//#
sourceMappingURL=data:application/json;charset=utf-
8;base64,eyJ2ZXJzaW9uIjozLCJzb3VyY2VSb290IjoiIiwic291cmNlcyI6WyJ3ZWJwYWNrOi8vLy4vZXhhb
sourceURL=webpack-internal:///0\n");
/***/ })
],
/*****/ __webpack_require__ => { // webpackRuntimeModules
/*****/ var webpack exec = (moduleId) =>
( webpack require ( webpack require .s = moduleId))
```

```
/*****/ var __webpack_exports__ = (__webpack_exec__(0));
/*****/ }
]);
```

cheap-module-source-map.js.map

cheap-source-map.js.map

webpack output

```
asset ./runtime~bundle-eval.js 5.46 KiB [emitted] (name: runtime~bundle)
asset ./bundle-eval.js 1.53 KiB [emitted] (name: bundle)
Entrypoint bundle 6.99 KiB = ./runtime~bundle-eval.js 5.46 KiB ./bundle-eval.js 1.53
KiB
chunk (runtime: runtime~bundle) ./bundle-eval.js (bundle) 256 bytes [initial]
[rendered]
  > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
   [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-eval.js (runtime~bundle) 2.46 KiB
[entry] [rendered]
  > coffee-loader!./example.coffee bundle
  runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
asset ./runtime~bundle-eval-cheap-source-map.js 5.46 KiB [emitted] (name:
runtime~bundle)
asset ./bundle-eval-cheap-source-map.js 2.2 KiB [emitted] (name: bundle)
Entrypoint bundle 7.66 KiB = ./runtime~bundle-eval-cheap-source-map.js 5.46 KiB
```

```
./bundle-eval-cheap-source-map.js 2.2 KiB
chunk (runtime: runtime~bundle) ./bundle-eval-cheap-source-map.js (bundle) 256 bytes
[initial] [rendered]
  > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
    [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-eval-cheap-source-map.js
(runtime~bundle) 2.46 KiB [entry] [rendered]
  > coffee-loader!./example.coffee bundle
  runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
asset ./runtime~bundle-eval-cheap-module-source-map.js 5.46 KiB [emitted] (name:
runtime~bundle)
asset ./bundle-eval-cheap-module-source-map.js 2.33 KiB [emitted] (name: bundle)
Entrypoint bundle 7.79 KiB = ./runtime~bundle-eval-cheap-module-source-map.js 5.46 KiB
./bundle-eval-cheap-module-source-map.js 2.33 KiB
chunk (runtime: runtime~bundle) ./bundle-eval-cheap-module-source-map.js (bundle) 256
bytes [initial] [rendered]
  > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
    [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-eval-cheap-module-source-map.js
(runtime~bundle) 2.46 KiB [entry] [rendered]
  > coffee-loader!./example.coffee bundle
  runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
asset ./runtime~bundle-eval-source-map.js 5.46 KiB [emitted] (name: runtime~bundle)
asset ./bundle-eval-source-map.js 2.33 KiB [emitted] (name: bundle)
Entrypoint bundle 7.79 KiB = ./runtime~bundle-eval-source-map.js 5.46 KiB ./bundle-
eval-source-map.js 2.33 KiB
chunk (runtime: runtime~bundle) ./bundle-eval-source-map.js (bundle) 256 bytes
[initial] [rendered]
  > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
    [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-eval-source-map.js (runtime~bundle)
2.46 KiB [entry] [rendered]
  > coffee-loader!./example.coffee bundle
  runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
asset ./runtime~bundle-cheap-source-map.js 4.97 KiB [emitted] (name: runtime~bundle) 1
related asset
asset ./bundle-cheap-source-map.js 938 bytes [emitted] (name: bundle) 1 related asset
```

```
Entrypoint bundle 5.89 KiB (4.84 KiB) = ./runtime~bundle-cheap-source-map.js 4.97 KiB
./bundle-cheap-source-map.js 938 bytes 2 auxiliary assets
chunk (runtime: runtime~bundle) ./bundle-cheap-source-map.js (bundle) 256 bytes
[initial] [rendered]
 > coffee-loader!./example.coffee bundle
  ../../node_modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
    [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-cheap-source-map.js (runtime~bundle)
2.46 KiB [entry] [rendered]
 > coffee-loader!./example.coffee bundle
 runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
asset ./runtime~bundle-cheap-module-source-map.js 4.98 KiB [emitted] (name:
runtime~bundle) 1 related asset
asset ./bundle-cheap-module-source-map.js 945 bytes [emitted] (name: bundle) 1 related
asset
Entrypoint bundle 5.9 KiB (4.76 KiB) = ./runtime~bundle-cheap-module-source-map.js
4.98 KiB ./bundle-cheap-module-source-map.js 945 bytes 2 auxiliary assets
chunk (runtime: runtime~bundle) ./bundle-cheap-module-source-map.js (bundle) 256 bytes
[initial] [rendered]
  > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
    [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-cheap-module-source-map.js
(runtime~bundle) 2.46 KiB [entry] [rendered]
  > coffee-loader!./example.coffee bundle
  runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
asset ./runtime~bundle-inline-cheap-source-map.js 10.8 KiB [emitted] (name:
runtime~bundle)
asset ./bundle-inline-cheap-source-map.js 1.62 KiB [emitted] (name: bundle)
Entrypoint bundle 12.4 KiB = ./runtime~bundle-inline-cheap-source-map.js 10.8 KiB
./bundle-inline-cheap-source-map.js 1.62 KiB
chunk (runtime: runtime~bundle) ./bundle-inline-cheap-source-map.js (bundle) 256 bytes
[initial] [rendered]
  > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
    [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-inline-cheap-source-map.js
(runtime~bundle) 2.46 KiB [entry] [rendered]
  > coffee-loader!./example.coffee bundle
  runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
```

```
asset ./runtime~bundle-inline-cheap-module-source-map.js 10.8 KiB [emitted] (name:
runtime~bundle)
asset ./bundle-inline-cheap-module-source-map.js 1.51 KiB [emitted] (name: bundle)
Entrypoint bundle 12.3 KiB = ./runtime~bundle-inline-cheap-module-source-map.js 10.8
KiB ./bundle-inline-cheap-module-source-map.js 1.51 KiB
chunk (runtime: runtime~bundle) ./bundle-inline-cheap-module-source-map.js (bundle)
256 bytes [initial] [rendered]
  > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
    [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-inline-cheap-module-source-map.js
(runtime~bundle) 2.46 KiB [entry] [rendered]
  > coffee-loader!./example.coffee bundle
  runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
asset ./runtime~bundle-source-map.js 4.96 KiB [emitted] (name: runtime~bundle) 1
related asset
asset ./bundle-source-map.js 932 bytes [emitted] (name: bundle) 1 related asset
Entrypoint bundle 5.88 KiB (4.86 KiB) = ./runtime~bundle-source-map.js 4.96 KiB
./bundle-source-map.js 932 bytes 2 auxiliary assets
chunk (runtime: runtime~bundle) ./bundle-source-map.js (bundle) 256 bytes [initial]
[rendered]
 > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
   [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-source-map.js (runtime~bundle) 2.46
KiB [entry] [rendered]
 > coffee-loader!./example.coffee bundle
  runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
asset ./runtime~bundle-inline-source-map.js 10.8 KiB [emitted] (name: runtime~bundle)
asset ./bundle-inline-source-map.js 1.64 KiB [emitted] (name: bundle)
Entrypoint bundle 12.4 KiB = ./runtime~bundle-inline-source-map.js 10.8 KiB ./bundle-
inline-source-map.js 1.64 KiB
chunk (runtime: runtime~bundle) ./bundle-inline-source-map.js (bundle) 256 bytes
[initial] [rendered]
 > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
    [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-inline-source-map.js (runtime~bundle)
2.46 KiB [entry] [rendered]
 > coffee-loader!./example.coffee bundle
 runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
```

```
asset ./runtime~bundle-hidden-source-map.js 4.91 KiB [emitted] (name: runtime~bundle)
1 related asset
asset ./bundle-hidden-source-map.js 886 bytes [emitted] (name: bundle) 1 related asset
Entrypoint bundle 5.78 KiB (4.87 KiB) = ./runtime~bundle-hidden-source-map.js 4.91 KiB
./bundle-hidden-source-map.js 886 bytes 2 auxiliary assets
chunk (runtime: runtime~bundle) ./bundle-hidden-source-map.js (bundle) 256 bytes
[initial] [rendered]
 > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
   [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-hidden-source-map.js (runtime~bundle)
2.46 KiB [entry] [rendered]
 > coffee-loader!./example.coffee bundle
  runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
asset ./runtime~bundle-nosources-source-map.js 4.97 KiB [emitted] (name:
runtime~bundle) 1 related asset
asset ./bundle-nosources-source-map.js 942 bytes [emitted] (name: bundle) 1 related
asset
Entrypoint bundle 5.89 KiB (1.24 KiB) = ./runtime~bundle-nosources-source-map.js 4.97
KiB ./bundle-nosources-source-map.js 942 bytes 2 auxiliary assets
chunk (runtime: runtime~bundle) ./bundle-nosources-source-map.js (bundle) 256 bytes
[initial] [rendered]
  > coffee-loader!./example.coffee bundle
  ../../node modules/coffee-loader/dist/cjs.js!./example.coffee 256 bytes [built]
[code generated]
    [used exports unknown]
    entry coffee-loader!./example.coffee bundle
chunk (runtime: runtime~bundle) ./runtime~bundle-nosources-source-map.js
(runtime~bundle) 2.46 KiB [entry] [rendered]
  > coffee-loader!./example.coffee bundle
 runtime modules 2.46 KiB 3 modules
webpack 5.51.1 compiled successfully
```