This example shows how you can mix different module styles in webpack. Here CommonJS, AMD and Harmony Modules (ES6 Modules) are used. In addition to that there are different types of dynamic requires (`"../require.context/templates/"+amd1+".js"` and `Math.random() < 0.5 ? "./commonjs" : "./amd"`).

You see that everything is working nicely together.

example.js

```
// CommonJs-style requires
var commonjs1 = require("./commonjs");
var amd1 = require("./amd");
var harmony1 = require("./harmony");

// AMD-style requires (with all webpack features)
require([
    "./commonjs", "./amd",
    "../require.context/templates/"+amd1+".js",
    Math.random() < 0.5 ? "./commonjs" : "./amd"],
    function(commonjs2, amd2, template, randModule) {
        // Do something with it...
    }
);
```

amd.js

```
// AMD Module Format
define(
    "app/amd", // anonym is also supported
    ["./commonjs", "./harmony"],
    function(commonjs1, harmony1) {
        // but you can use CommonJs-style requires:
        var commonjs2 = require("./commonjs");
        var harmony2 = require("./harmony");
        // Do something...
        return 456;
    }
);
```

commonjs.js

```
// CommonJs Module Format
module.exports = 123;

// but you can use amd style requires
```

```
require(
    ["./amd", "./harmony"],
    function(amd1, harmony) {
        var amd2 = require("./amd");
        var harmony2 = require("./harmony");
    }
);
```

dist/output.js

```
/******/ (() => { // webpackBootstrap
/******/        var __webpack_modules__ = ([
/* 0 */,
/* 1 */
/*!**********************!*\
  !*** ./commonjs.js ***!
  \**********************/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: module, __webpack_require__, __webpack_require__.oe,
__webpack_require__.* */
/*! CommonJS bailout: module.exports is used directly at 2:0-14 */
/***/ ((module, __unused_webpack_exports, __webpack_require__) => {

// CommonJs Module Format
module.exports = 123;

// but you can use amd style requires
Promise.resolve(/*! AMD require */).then(function() { var
__WEBPACK_AMD_REQUIRE_ARRAY__ = [__webpack_require__(/*! ./amd */ 2),
__webpack_require__(/*! ./harmony */ 3)]; (function(amd1, harmony) {
        var amd2 = __webpack_require__(/*! ./amd */ 2);
        var harmony2 = __webpack_require__(/*! ./harmony */ 3);
    }).apply(null, __WEBPACK_AMD_REQUIRE_ARRAY__);}).catch(__webpack_require__.oe);

/***/ }),
/* 2 */
/*!*****************!*\
  !*** ./amd.js ***!
  \*****************/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: __webpack_require__, __webpack_exports__, module */
/***/ ((module, exports, __webpack_require__) => {

var __WEBPACK_AMD_DEFINE_ARRAY__, __WEBPACK_AMD_DEFINE_RESULT__;// AMD Module Format
!(__WEBPACK_AMD_DEFINE_ARRAY__ = [__webpack_require__(/*! ./commonjs */ 1),
__webpack_require__(/*! ./harmony */ 3)], __WEBPACK_AMD_DEFINE_RESULT__ =
(function(commonjs1, harmony1) {
        // but you can use CommonJs-style requires:
        var commonjs2 = __webpack_require__(/*! ./commonjs */ 1);
```

```
            var harmony2 = __webpack_require__(/*! ./harmony */ 3);
            // Do something...
            return 456;
    }).apply(exports, __WEBPACK_AMD_DEFINE_ARRAY__),
            __WEBPACK_AMD_DEFINE_RESULT__ !== undefined && (module.exports =
    __WEBPACK_AMD_DEFINE_RESULT__));

/***/ }),
/* 3 */
/*!********************!*\
  !*** ./harmony.js ***!
  \********************/
/*! namespace exports */
/*! export default [provided] [no usage info] [missing usage info prevents renaming]
*/
/*! other exports [not provided] [no usage info] */
/*! runtime requirements: __webpack_require__, __webpack_require__.n,
__webpack_exports__, __webpack_require__.r, __webpack_require__.d,
__webpack_require__.* */
/***/ ((__unused_webpack_module, __webpack_exports__, __webpack_require__) => {

"use strict";
__webpack_require__.r(__webpack_exports__);
/* harmony export */ __webpack_require__.d(__webpack_exports__, {
/* harmony export */   "default": () => (__WEBPACK_DEFAULT_EXPORT__)
/* harmony export */ });
/* harmony import */ var _commonjs__WEBPACK_IMPORTED_MODULE_0__ =
__webpack_require__(/*! ./commonjs */ 1);
/* harmony import */ var _commonjs__WEBPACK_IMPORTED_MODULE_0___default =
/*#__PURE__*/__webpack_require__.n(_commonjs__WEBPACK_IMPORTED_MODULE_0__);
/* harmony import */ var _amd__WEBPACK_IMPORTED_MODULE_1__ = __webpack_require__(/*!
./amd */ 2);
/* harmony import */ var _amd__WEBPACK_IMPORTED_MODULE_1___default =
/*#__PURE__*/__webpack_require__.n(_amd__WEBPACK_IMPORTED_MODULE_1__);
// ES6 Modules




/* harmony default export */ const __WEBPACK_DEFAULT_EXPORT__ = (456);



/***/ })
/******/    ]);


/* webpack runtime code */


var __webpack_exports__ = {};
// This entry need to be wrapped in an IIFE because it need to be isolated against
other modules in the chunk.
(() => {
/*!********************!*\
```

```
  !*** ./example.js ***!
  \*********************/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: __webpack_require__, __webpack_require__.e,
__webpack_require__.oe, __webpack_require__.* */
// CommonJs-style requires
var commonjs1 = __webpack_require__(/*! ./commonjs */ 1);
var amd1 = __webpack_require__(/*! ./amd */ 2);
var harmony1 = __webpack_require__(/*! ./harmony */ 3);

// AMD-style requires (with all webpack features)
__webpack_require__.e(/*! AMD require */ 635).then(function() { var
__WEBPACK_AMD_REQUIRE_ARRAY__ = [
    __webpack_require__(/*! ./commonjs */ 1), __webpack_require__(/*! ./amd */ 2),
    __webpack_require__(4)("./"+amd1+".js"),
    Math.random() < 0.5 ? __webpack_require__(/*! ./commonjs */ 1) :
__webpack_require__(/*! ./amd */ 2)]; (function(commonjs2, amd2, template,
randModule) {
        // Do something with it...
    }).apply(null, __WEBPACK_AMD_REQUIRE_ARRAY__);}).catch(__webpack_require__.oe);

})();


/******/ })()
;
```

dist/635.output.js

```
(self["webpackChunk"] = self["webpackChunk"] || []).push([[635],[
/* 0 */,
/* 1 */,
/* 2 */,
/* 3 */,
/* 4 */
/*!********************************************************!*\
  !*** ../require.context/templates/ sync ^\.\/.*\.js$ ***!
  \********************************************************/
/*! default exports */
/*! exports [not provided] [no usage info] */
/*! runtime requirements: module, __webpack_require__.o, __webpack_require__ */
/***/ ((module, __unused_webpack_exports, __webpack_require__) => {

var map = {
    "./a.js": 5,
    "./b.js": 6,
    "./c.js": 7
};
```

```
function webpackContext(req) {
    var id = webpackContextResolve(req);
    return __webpack_require__(id);
}
function webpackContextResolve(req) {
    if(!__webpack_require__.o(map, req)) {
        var e = new Error("Cannot find module '" + req + "'");
        e.code = 'MODULE_NOT_FOUND';
        throw e;
    }
    return map[req];
}
webpackContext.keys = function webpackContextKeys() {
    return Object.keys(map);
};
webpackContext.resolve = webpackContextResolve;
module.exports = webpackContext;
webpackContext.id = 4;

/***/ }),
/* 5 */
/*!*****************************************!*\
  !*** ../require.context/templates/a.js ***!
  \*****************************************/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: module */
/*! CommonJS bailout: module.exports is used directly at 1:0-14 */
/***/ ((module) => {

module.exports = function() {
    return "This text was generated by template A";
}


/***/ }),
/* 6 */
/*!*****************************************!*\
  !*** ../require.context/templates/b.js ***!
  \*****************************************/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: module */
/*! CommonJS bailout: module.exports is used directly at 1:0-14 */
/***/ ((module) => {

module.exports = function() {
    return "This text was generated by template B";
}


/***/ }),
/* 7 */
/*!*****************************************!*\
  !*** ../require.context/templates/c.js ***!
  \*****************************************/
```

```
/*! unknown exports (runtime-defined) */
/*! runtime requirements: module */
/*! CommonJS bailout: module.exports is used directly at 1:0-14 */
/***/ ((module) => {

module.exports = function() {
    return "This text was generated by template C";
}


/***/ })
]]);
```

Info

Unoptimized

```
asset output.js 13.8 KiB [emitted] (name: main)
asset 635.output.js 2.24 KiB [emitted]
chunk (runtime: main) output.js (main) 1010 bytes (javascript) 5.81 KiB (runtime)
[entry] [rendered]
  > ./example.js main
  runtime modules 5.81 KiB 9 modules
  dependent modules 617 bytes [dependent] 3 modules
  ./example.js 396 bytes [built] [code generated]
    [used exports unknown]
    entry ./example.js main
chunk (runtime: main) 635.output.js 433 bytes [rendered]
  > ./example.js 7:0-14:1
  dependent modules 240 bytes [dependent] 3 modules
  ../require.context/templates/ sync ^\.\/.*\.js$ 193 bytes [built] [code generated]
    [no exports]
    [used exports unknown]
    amd require context ./example.js 7:0-14:1
webpack 5.51.1 compiled successfully
```

Production mode

```
asset output.js 2.5 KiB [emitted] [minimized] (name: main)
asset 635.output.js 580 bytes [emitted] [minimized]
chunk (runtime: main) output.js (main) 1010 bytes (javascript) 5.81 KiB (runtime)
[entry] [rendered]
  > ./example.js main
  runtime modules 5.81 KiB 9 modules
  dependent modules 617 bytes [dependent] 3 modules
  ./example.js 396 bytes [built] [code generated]
    [no exports used]
    entry ./example.js main
chunk (runtime: main) 635.output.js 433 bytes [rendered]
```

```
   > ./example.js 7:0-14:1
  dependent modules 240 bytes [dependent] 3 modules
  ../require.context/templates/ sync ^\.\/.*\.js$ 193 bytes [built] [code generated]
    [no exports]
    amd require context ./example.js 7:0-14:1
webpack 5.51.1 compiled successfully
```