example.js

```javascript
import { get, set, getNumber } from "./magic.js";

// accessing memory
console.log(get());
set(42);
console.log(get());
set(123);
console.log(get());

// random numbers
console.log(getNumber());
console.log(getNumber());
console.log(getNumber());
```

magic.js

```javascript
// reexporting
export * from "./magic.wat";
```

magic.wat

```
(module
  (type $t0 (func (result i32)))
  (type $t1 (func (param i32)))
  (import "./memory.js" "memory" (memory 1))
  (import "./magic-number.js" "getRandomNumber" (func $getRandomNumber (type $t0)))
  (func $get (export "get") (type $t0) (result i32)
    (i32.load
      (i32.const 0)))
  (func $set (export "set") (type $t1) (param $p i32)
    (i32.store
      (i32.const 0)
      (get_local $p)))
  (func $get (export "getNumber") (type $t0) (result i32)
    (call $getRandomNumber))
)
```

magic-number.js

```javascript
export function getNumber() {
    return 42;
```

```
}

export function getRandomNumber() {
    return Math.floor(Math.random() * 256);
}
```

memory.js

```
async function getMemoryFromParentInWorker() {
    await new Promise(r => setTimeout(r, 200));
    // fake
    return new WebAssembly.Memory({ initial: 1 });
}

export const memory = await getMemoryFromParentInWorker();
```

dist/output.js

```
/******/ (() => { // webpackBootstrap
/******/        "use strict";
/******/        var __webpack_modules__ = ([
/* 0 */
/*!********************!*\
  !*** ./example.js ***!
  \********************/
/*! namespace exports */
/*! exports [not provided] [no usage info] */
/*! runtime requirements: __webpack_require__, __webpack_require__.r,
__webpack_exports__, module, __webpack_require__.a, __webpack_require__.* */
/***/ ((module, __webpack_exports__, __webpack_require__) => {

__webpack_require__.a(module, async (__webpack_handle_async_dependencies__) => {
__webpack_require__.r(__webpack_exports__);
/* harmony import */ var _magic_js__WEBPACK_IMPORTED_MODULE_0__ =
__webpack_require__(/*! ./magic.js */ 1);
var __webpack_async_dependencies__ =
__webpack_handle_async_dependencies__([_magic_js__WEBPACK_IMPORTED_MODULE_0__]);
_magic_js__WEBPACK_IMPORTED_MODULE_0__ = (__webpack_async_dependencies__.then ?
await __webpack_async_dependencies__ : __webpack_async_dependencies__)[0];


// accessing memory
console.log((0,_magic_js__WEBPACK_IMPORTED_MODULE_0__.get)());
(0,_magic_js__WEBPACK_IMPORTED_MODULE_0__.set)(42);
console.log((0,_magic_js__WEBPACK_IMPORTED_MODULE_0__.get)());
(0,_magic_js__WEBPACK_IMPORTED_MODULE_0__.set)(123);
console.log((0,_magic_js__WEBPACK_IMPORTED_MODULE_0__.get)());
```

```
// random numbers
console.log((0,_magic_js__WEBPACK_IMPORTED_MODULE_0__.getNumber)());
console.log((0,_magic_js__WEBPACK_IMPORTED_MODULE_0__.getNumber)());
console.log((0,_magic_js__WEBPACK_IMPORTED_MODULE_0__.getNumber)());

});

/***/ }),
/* 1 */
/*!*******************!*\
  !*** ./magic.js ***!
  \*******************/
/*! namespace exports */
/*! export get [provided] [no usage info] [missing usage info prevents renaming] ->
./magic.wat .get */
/*! export getNumber [provided] [no usage info] [missing usage info prevents
renaming] -> ./magic.wat .getNumber */
/*! export set [provided] [no usage info] [missing usage info prevents renaming] ->
./magic.wat .set */
/*! other exports [not provided] [no usage info] */
/*! runtime requirements: __webpack_require__, __webpack_exports__,
__webpack_require__.d, __webpack_require__.r, module, __webpack_require__.a,
__webpack_require__.* */
/***/ ((module, __webpack_exports__, __webpack_require__) => {

__webpack_require__.a(module, async (__webpack_handle_async_dependencies__) => {
__webpack_require__.r(__webpack_exports__);
/* harmony export */ __webpack_require__.d(__webpack_exports__, {
/* harmony export */   "get": () => (/* reexport safe */
_magic_wat__WEBPACK_IMPORTED_MODULE_0__.get),
/* harmony export */   "getNumber": () => (/* reexport safe */
_magic_wat__WEBPACK_IMPORTED_MODULE_0__.getNumber),
/* harmony export */   "set": () => (/* reexport safe */
_magic_wat__WEBPACK_IMPORTED_MODULE_0__.set)
/* harmony export */ });
/* harmony import */ var _magic_wat__WEBPACK_IMPORTED_MODULE_0__ =
__webpack_require__(/*! ./magic.wat */ 2);
var __webpack_async_dependencies__ =
__webpack_handle_async_dependencies__([_magic_wat__WEBPACK_IMPORTED_MODULE_0__]);
_magic_wat__WEBPACK_IMPORTED_MODULE_0__ = (__webpack_async_dependencies__.then ?
await __webpack_async_dependencies__ : __webpack_async_dependencies__)[0];
// reexporting


});

/***/ }),
/* 2 */
/*!********************!*\
  !*** ./magic.wat ***!
  \********************/
```

```
/*! namespace exports */
/*! export get [provided] [no usage info] [provision prevents renaming (no use
info)] */
/*! export getNumber [provided] [no usage info] [provision prevents renaming (no use
info)] */
/*! export set [provided] [no usage info] [provision prevents renaming (no use
info)] */
/*! other exports [not provided] [no usage info] */
/*! runtime requirements: module, module.id, __webpack_exports__,
__webpack_require__.v, __webpack_require__, __webpack_require__.a,
__webpack_require__.* */
/***/ ((module, exports, __webpack_require__) => {

var __webpack_instantiate__ = ([WEBPACK_IMPORTED_MODULE_0]) => {
    return __webpack_require__.v(exports, module.id, "daa529a2a650ee3943a9", {
        "./memory.js": {
            "memory": WEBPACK_IMPORTED_MODULE_0.memory
        },
        "./magic-number.js": {
            "getRandomNumber": WEBPACK_IMPORTED_MODULE_1.getRandomNumber
        }
    });
}
__webpack_require__.a(module, (__webpack_handle_async_dependencies__) => {
    /* harmony import */ var WEBPACK_IMPORTED_MODULE_0 = __webpack_require__(/*!
./memory.js */ 3);
    /* harmony import */ var WEBPACK_IMPORTED_MODULE_1 = __webpack_require__(/*!
./magic-number.js */ 4);
    var __webpack_async_dependencies__ =
__webpack_handle_async_dependencies__([WEBPACK_IMPORTED_MODULE_0]);
    return __webpack_async_dependencies__.then ?
__webpack_async_dependencies__.then(__webpack_instantiate__) :
__webpack_instantiate__(__webpack_async_dependencies__);
}, 1);

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

__webpack_require__.a(module, async (__webpack_handle_async_dependencies__) => {
__webpack_require__.r(__webpack_exports__);
/* harmony export */ __webpack_require__.d(__webpack_exports__, {
/* harmony export */   "memory": () => (/* binding */ memory)
```

```
/* harmony export */ });
async function getMemoryFromParentInWorker() {
    await new Promise(r => setTimeout(r, 200));
    // fake
    return new WebAssembly.Memory({ initial: 1 });
}


const memory = await getMemoryFromParentInWorker();


__webpack_handle_async_dependencies__();
}, 1);


/***/ }),
/* 4 */
/*!************************!*\
  !*** ./magic-number.js ***!
  \************************/
/*! namespace exports */
/*! export getNumber [provided] [no usage info] [missing usage info prevents
renaming] */
/*! export getRandomNumber [provided] [no usage info] [missing usage info prevents
renaming] */
/*! other exports [not provided] [no usage info] */
/*! runtime requirements: __webpack_require__.r, __webpack_exports__,
__webpack_require__.d, __webpack_require__.* */
/***/ ((__unused_webpack_module, __webpack_exports__, __webpack_require__) => {

__webpack_require__.r(__webpack_exports__);
/* harmony export */ __webpack_require__.d(__webpack_exports__, {
/* harmony export */   "getNumber": () => (/* binding */ getNumber),
/* harmony export */   "getRandomNumber": () => (/* binding */ getRandomNumber)
/* harmony export */ });
function getNumber() {
    return 42;
}


function getRandomNumber() {
    return Math.floor(Math.random() * 256);
}



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

▶ /* webpack runtime code */

```
/******/
/******/        // startup
/******/        // Load entry module and return exports
/******/        // This entry module used 'module' so it can't be inlined
/******/        var __webpack_exports__ = __webpack_require__(0);
```

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

Info

Unoptimized

```
asset output.js 12.8 KiB [emitted] (name: main)
asset daa529a2a650ee3943a9.module.wasm 139 bytes [emitted] [immutable] (auxiliary
name: main)
chunk (runtime: main) output.js (main) 696 bytes (javascript) 139 bytes (webassembly)
3.36 KiB (runtime) [entry] [rendered]
  > ./example.js main
  runtime modules 3.36 KiB 6 modules
  dependent modules 449 bytes (javascript) 139 bytes (webassembly) [dependent] 4
modules
  ./example.js 247 bytes [built] [code generated]
    [no exports]
    [used exports unknown]
    entry ./example.js main
webpack 5.51.1 compiled successfully
```

Production mode

```
asset output.js 2.34 KiB [emitted] [minimized] (name: main)
asset 05aa07f6a3836ded50d1.module.wasm 139 bytes [emitted] [immutable] (auxiliary
name: main)
chunk (runtime: main) output.js (main) 696 bytes (javascript) 139 bytes (webassembly)
3.09 KiB (runtime) [entry] [rendered]
  > ./example.js main
  runtime modules 3.09 KiB 5 modules
  dependent modules 449 bytes (javascript) 139 bytes (webassembly) [dependent] 4
modules
  ./example.js 247 bytes [built] [code generated]
    [no exports]
    [no exports used]
    entry ./example.js main
webpack 5.51.1 compiled successfully
```