

02

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凹凸实验室

ES6 Module

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Common JS

- javascript: not just for browsers any more!

//引入依赖

```
var fs = require('fs');  
var path = require('path');  
function a(){  
    //...  
}
```

//输出

```
module.exports = a;
```

CMD - Common Module Definition

在浏览器定义require,exports,module

```
define(function(require,exports,module){  
  //引入xx模块  
  var xx=require('XX');  
});
```

AMD - Asynchronous Module Definition - 异步回调

```
define(["amd-module", "../file"], function(amdModule, file) {  
  // while previous constructs are sync  
  // this is async  
  require(["big-module/big/file"], function(big) {  
    // for async dependencies webpack splits  
    var stuff = require("../my/stuff");  
    // "../my/stuff" is also loaded on demand  
  
  });  
});
```

ES 6 Module

```
export var m = 1;  
export function n() {  
  
}
```

```
var m = 1;  
function n() {  
  
}  
export {m, n};
```

```
var m = 1;  
export m;
```

ES 6 Module

```
import {m, n} from './xx';
```

```
import * as xx from './xx';
```

```
import m from './xx';
```

X

ES 6 Module

// In abc.js:

```
export default function () {...}  
export function b() {...}  
export const c = 299792458;
```

// In d.js:

```
import * as a from "./abc";  
import a from "./abc";  
import a1 from "./abc";  
import {b, c} from "./abc";  
import {b as bee, c as lightSpeed} from "./abc";  
import {default as a2} from "./abc";  
import {default as a3, b, c} from "./abc";  
import a4, {b, c} from "./abc";
```

VS. 输出结果

```
var m = 1;  
function mPlus(){  
    m++;  
}
```

```
module.exports = {  
    m: m,  
    mPlus: mPlus  
};
```

```
var xx = require('./xx');  
xx.mPlus();  
console.log(xx.m);
```


VS. 输出结果

```
var m = 1;  
function mPlus(){  
    m++;  
}
```

```
export { m , mPlus};
```

```
import { m , mPlus} from './xx';  
mPlus();  
console.log(m);
```

VS.

循环引用

```
import { n } from './n'  
console.log(n)  
export var w = 'w'
```

```
import { w } from './w'  
console.log(w)  
setTimeout(function(){  
    console.log(w, 'setTimeout')  
}, 100)  
  
export var n = 'n'
```

Thanks !

