

Statement

1. Grammar

简单语句

组合语句

声明

Runtime

执行结果记录

Completion Record

Lexical Environment

作用域

2. Completion Record

[[type]]: normal, break, continue,
return, or throw.

[[value]]: 基本类型.

[[target]]: label ←

3. 简单语句.

ExpressionStatement 表达式语句.

EmptyStatement 空语句.

DebuggerStatement

控制语句 { ThrowStatement 抛出异常
ContinueStatement } 循环.
BreakStatement
ReturnStatement

4. 复合语句.

BlockStatement { ... }.

IfStatement

SwitchStatement

IterationStatement 循环

(while, do-while, for, for-await)

WithStatement

LabelledStatement

TryStatement 三段结构
try, catch, finally,

5. block { ---- }

6. Iteration while (--) ----
do ---- while (--)
for (--; --; --) ----
for (-- in --) ----
0 . 0 . 0 .

for (... of ...) ...
for await (of)

7. 标签、循环. break, continue

8. try

```
try {  
    ...  
} catch (...) {  
    ...  
} finally {  
    ...  
}
```

即 return

也执行

9. 声明

< Function Declaration

function 2/4 2/4 1/4 1/4

Generator Declaration
Async Function Declaration
Async Generator Declaration
Variable Statement 变量声明
Class Declaration
Lexical Declaration const
let

10. function
function*
async function
async function*
var

class

const

let

11. 预处理 (pre-process)

var a = 2;

void function () {

 a = 1;

 return;

 var a;

}();

console.log(a); // 2

const a;

try catch

finally // 2.

12. 作用域