

# 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.

Expression Statement 表达式语句.

EmptyStatement 空语句.

DebuggerStatement

ThrowStatement 扔进异常  
ContinueStatement } 循环.  
BreakStatement  
ReturnStatement

4. 复合语句.

BlockStatement { ... }.

IfStatement

SwitchStatement

Iteration Statement 循环.

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

WithStatement

LabelledStatement

TryStatement <sup>三段结构</sup> try, catch, finally,

5. block { ... }

6. Iteration while (---)

do --- while (---)

for (---; ---; ---) ---

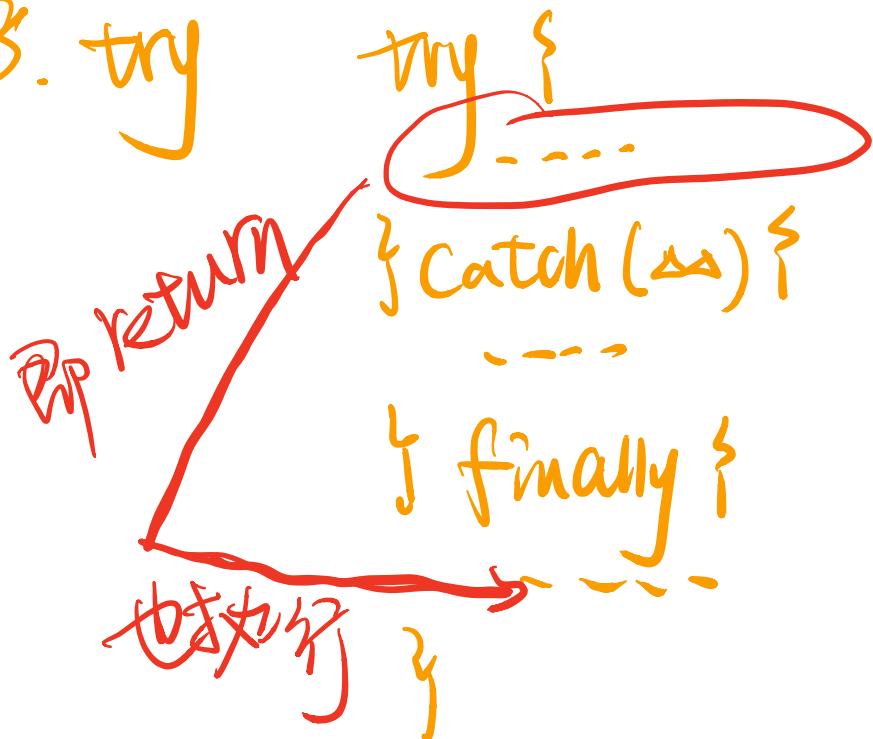
for (--- in ---) ---

for (--- of ---) ---

for (---of---) ---  
for await (of)

7. 标签、循环、break、continue

8. try



9. 声明

Function Declaration

... ... ... ... ...

GeneratorDeclaration | - ...  
AsyncFunctionDeclaration  
AsyncGeneratorDeclaration  
VariableStatement 变量声明  
Class Declaration  
Lexical Declaration const  
let

(o. function  
function\* }  
async function  
async function\* }  
var }

class

- - -

CONST

LET

## 11. 預處理 (pre-process)

Var a = 2;

Void function () {

a = 1;

return;

Var a;

}

console.log(a); // 2

const a;

try catch

finally // 2.

## 12. ES6 特性