极客大学 前端进阶训练营

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前手机淘宝前端负责人



重学前端

JavaScript



JavaScript

- Atom
- Expression
- Statement
- Structure
- Program/Module



Atom

Grammar

- Grammar Tree vs Priority
- Left hand side & Right hand side

Runtime

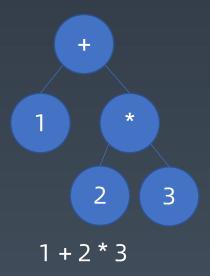
Type Convertion



Grammar

• Tree vs Priority

- + -
- * /
- ()



- Member
 - a.b
 - a[b]
 - foo`string`
 - super.b
 - super['b']
 - new.target
 - new Foo()

- New
 - new Foo

Example:

new a()() new new a()



- Call
 - foo()
 - super()
 - foo()['b']
 - foo().b
 - foo()`abc`

Example:

new a()['b']

• Left Handside & Right Handside

Example:

a.b = c;

a+b=c

- Update
 - a ++
 - a ---
 - -- a
 - ++ a

Example:

```
++ a ++
++ (a ++)
```

- Update
 - a ++
 - a ---
 - -- a
 - ++ a

Example:

```
++ a ++
++ (a ++)
```

- Unary
 - delete a.b
 - void foo()
 - typeof a
 - + a
 - - a
 - ~ a
 - ! a
 - await a



Exponental

```
Example: 3 ** 2 ** 3
3 ** ( 2 ** 3 )
```

- Multiplicative
 - * / %
- Additive
 - + -
- Shift
 - << >> >>
- Relationship
 - < > <= >= instanceof in

- Equality
 - ==
 - !=
 - ===
 - !==
- Bitwise
 - & ^ |

- Logical
 - &&
 - ||
- Conditional
 - ?:

Type Convertion

	Number	String	Boolean	Undefine d	Null	Object	Symbol
Number	-		0 false	×	×	Boxing	×
String		-	"" false	×	×	Boxing	×
Boolean	true 1 false 0	'true' 'false'	-	×	×	Boxing	×
Undefine d	0	'Undefine d'	false	-	×	×	×
Null	0	'null'	false	×	-	×	×
Object	valueOf	valueOf toString	true	×	×	-	×
Symbol	×	×	×	×	×	Boxing	-



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