

home https://sciter.com **discussion** https://sciter.com/forums/ github https://github.com/c-smile/sciter-sdk wrappers https://github.com/sciter-sdk

```
if (...)
if (...) ... else ...
for[:label]( ...; ...; ...) ...
for[:label](... in ...) ...
while[:label](...) ...
do[:label] ... while(...);
break [label];
continue [label];
switch(...) {
 case const : ... break;
  like template: ... break;
  instanceof class : ... break;
  in collection : ... break;
  default: ... break;
}
with(object) {...}
try {...} catch(e) {...}
try {...} catch(e) {...} finally {...}
try {...} finally {...}
await promise-expr;
yield expr;
return;
return expr;
return (expr1,expr2,...);
```

```
var name [= expr];
const name = expr;
var (nm1, nm2, ...) = multi-ret-expr;
const (nm1, nm2, ...) = multi-ret-expr;
```

literal	type
42, 'A' //char code	Integer
42.0	Float
"string"	String
#symbol	Symbol
/ab+c/	RegExp
[0,1,2]	Array
{a:0, b:1, c:2}	Object
[name: 0,1,2]	Tuple
12.5in	Length
45deg	Angle
200ms	Duration
color(0xFF,0,0)	Color
new Date(2009,7,15)	Date
Bytes.fromBase64("")	Bytes

expr !instanceof class expr in collection expr !in collection

```
include "rel-path";
                                      func()
include string-expr;
                                      func(p1,p2,...)
                                     Stringizier calls:
namespace name [:parentns] {
                                      $func(...text...)
  var name;
                                      $func(...{expr}...{expr})
  const name;
                                     Object passing calls:
  function name(...) {...}
                                      func{ a:1, b:2, ... }
  event name ... { ... }
  namespace subns {...}
                                     Method calls:
  class subcls {...}
                                      expr.name(p1,p2,...)
                                      expr.$name(...text...)
                                      expr.name{ a:1, b:2, ... }
class name [:parentcls] {
  var name[= expr];
  this var name [= expr];
                                      function name() {...}
  const name = expr;
                                      function name(p1,p2,...) {...}
  function name(...) {...}
                                     Addon methods
  property name(v){get{...} set{...}}
                                      function class.name() {...}
  event name ... { ... }
                                      function obj.name(p1,p2,...) {...}
  namespace subns { ...}
                                     Optional parameters
  class subcls {...}
                                      function name(p1=1,p2=2) {...}
                                      function name(p1,rest..) {...}
expr + expr
                                      'This" lambdas
expr - expr
expr * expr
                                      : p1,p2 : statement
expr / expr
                                      : p1,p2 { statements... }
int-expr % int-expr
                                      'That" lambdas
expr += expr
                                      p1,p2 | statement
expr -= expr
                                      | p1,p2 { statements... }
expr *= expr
expr /= expr
expr %= expr
                                      async function (p1,p2) {
++expr expr++
                                        statements...
--expr expr--
                                        var r = await promise;
expr == expr
                                        statements...
expr === expr
expr != expr
expr !== expr
                                      function* (p1,p2) {
expr < expr expr <= expr
                                        statements...
expr > expr expr >= expr
                                        yield expr;
expr && expr
expr expr
                                        statements...
                                      }
!expr
int-expr & int-expr
int-expr &= int-expr
                                      event name { ... }
int-expr | int-expr
                                      event name $(selector) { ... }
int-expr |= int-expr
                                      event name $(selector) (evt) { ... }
int-expr ^ int-expr
                                      event name $(selector) (evt,that) { ... }
expr << expr
expr <<= expr
expr <<< expr
                                        _FILE__ // full path of the file
expr >> expr
                                      __FOLDER__ // path of the file's folder
expr >>= expr
                                      __LINE__ // current line number
expr >>> expr
                                      __TRACE__ // stack trace
"a,b,c,d" ~/ "," // "a"
                                      assert expr;
"a,b,c,d" ~% "," // "b,c,d"
                                      assert expr : expr1 expr2 ...;
"a,b,c,d" /~ "," // "a,b,c"
"a,b,c,d" %~ "," // "d"
                                      debug [channel] : expr1 expr2 ...;
                                      debug [channel] ( ... {expr1} ... );
typeof expr
                                      debug break;
new classname
                                      debug namespace;
expr[expr]
                                      debug stacktrace;
expr like expr
expr !like expr
expr instanceof class
```