# 运算符

结合顺序：从左向右

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 优先级 |  | 用法 | 计算结果 | 副作用 |  |
| 1 | . |  |  |  |  |
| [] |  |  |  |  |
| () |  |  |  |  |
| 2 | ++ |  |  |  |  |
| -- |  |  |  |  |
| ! |  |  |  |  |
| ~ |  |  |  |  |
| instanceof |  |  |  |  |
| 3 | new |  |  |  |  |
| 4 | \* |  |  |  |  |
| / |  |  |  |  |
| % |  |  |  |  |
| 5 | + |  |  |  |  |
| - |  |  |  |  |
| 6 | >> |  |  |  |  |
| >>> |  |  |  |  |
| << |  |  |  |  |
| 7 | < |  |  |  |  |
| > |  |  |  |  |
| <= |  |  |  |  |
| >= |  |  |  |  |
| 8 | == |  |  |  |  |
| != |  |  |  |  |
| 9 | & |  |  |  |  |
| 10 | ^ |  |  |  |  |
| 11 | | |  |  |  |  |
| 12 | && |  |  |  |  |
| 13 | || |  |  |  |  |
| 14 | ?: |  |  |  |  |
| 15 | = |  |  |  |  |
| += |  |  |  |  |
| -= |  |  |  |  |
| \*= |  |  |  |  |
| /= |  |  |  |  |
| %= |  |  |  |  |
| ^= |  |  |  |  |
| 16 | &= |  |  |  |  |
| |= |  |  |  |  |
| <<= |  |  |  |  |
| >>= |  |  |  |  |
| >>>= |  |  |  |  |

# 标识符、关键字

# 数据

## 基本数据类型

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | |  |  | | byte | 1 | | short | 2 | | int | 4 | | long | 8 | | float | 4 | | double | 8 | | boolean |  | | char | 2 | |  |
| 布尔  true、false |  |
| 字符  转义字符 |  |
| 整数   |  |  | | --- | --- | |  | 前缀 | | 八进制常量 | 0 | | 十六进制常量 | 0x或0X | |  |
| 浮点数   |  |  | | --- | --- | |  | 后缀 | | long常量 | l或L | | float常量 | f或F | | double常量 | 无或d或D | |  |
| 数据类型转换  扩展转换、窄化转换 |  |

## 派生数据类型

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 数组   |  |  | | --- | --- | | 声明 |  | | 创建  自动初始化：0、false、null。 |  |   length数据成员 | |
|  |  |

## 自定义数据类型

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 类   |  |  | | --- | --- | | 声明 |  | | 数据成员 |  | | 方法成员 |  | |

## 创建数据类型的别名