

# Korean Operator Overloading

Groovy , , Map (operator overloading) .

Groovy . Groovy Groovy . Groovy :

a + b	a.plus(b)
a - b	a.minus(b)
a * b	a.multiply(b)
a / b	a.divide(b)
a++ or ++a	a.next()
a-- or --a	a.previous()
a[b]	a.getAt(b)
a[b] = c	a.putAt(b, c)
a << b	a.leftShift(b)

null java.lang.NullPointerException :

Operator	Method
a == b	a.equals(b)
a != b	! a.equals(b)
a === b	a == b (a b )
a <=> b	a.compareTo(b)
a > b	a.compareTo(b) > 0
a >= b	a.compareTo(b) >= 0
a < b	a.compareTo(b) < 0
a <= b	a.compareTo(b) <= 0

Groovy null . a == b a b null NullPointerException :

```
def a = null
def b = "foo"

assert a != b
assert b != a
assert a == null
```

. Groovy :

```
Byte a = 12  
Double b = 10
```

```
assert a instanceof Byte  
assert b instanceof Double
```

```
assert a > b
```