

## 3.3 Operators

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### MULTI\_CHARACTER\_OPERATORS

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#### ADDITION\_ASSIGNMENT

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The addition arithmetic operator '+' for numeric values or the concatenation operator for text strings.

```
ADDITION_ASSIGNMENT ::= "(\\+\\=)"
```

#### GREATER\_THAN\_OR\_EQUAL\_TO

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The greater-than-or-equal-to comparison operator '>='.

```
GREATER_THAN_OR_EQUAL_TO ::= "(\\>\\=)"
```

#### LESS\_THAN\_OR\_EQUAL\_TO

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The less-than-or-equal-to comparison operator '<='.

```
LESS_THAN_OR_EQUAL_TO ::= "(\\<\\=)"
```

#### NOT\_EQUAL\_TO

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The not-equal-to comparison operator '!=' or '<>'.

```
NOT_EQUAL_TO ::= "(\\!\\=)(|\\<\\>)"
```

## SHIFT\_LEFT

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The bitwise shift-left operator '<<'.

```
SHIFT_LEFT ::= "(\\<\\<)"
```

## SHIFT\_RIGHT

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The bitwise shift-right operator '>>'.

```
SHIFT_RIGHT ::= "(\\>\\>)"
```

## SUBTRACTION\_ASSIGNMENT

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The subtraction arithmetic operator '-=' for numeric values.

```
SUBTRACTION_ASSIGNMENT ::= "(\\-\\=)"
```

## Inclusive List

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The following is an inclusive list of the MULTI\_CHARACTER\_OPERATORS:

```
MULTI_CHARACTER_OPERATORS
 ::= ADDITION_ASSIGNMENT
    | GREATER_THAN_OR_EQUAL_TO
    | LESS_THAN_OR_EQUAL_TO
    | NOT_EQUAL_TO
    | SHIFT_LEFT
    | SHIFT_RIGHT
    | SUBTRACTION_ASSIGNMENT
```

# SINGLE\_CHARACTER\_OPERATORS

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## ADDITION

[Return to SINGLE\\_CHARACTER\\_OPERATORS](#)

The addition arithmetic operator '+' for numeric values or the concatenation operator for text strings.

```
ADDITION ::= "(\\+)"
```

## DIVISION

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The addition division operator '/' for numeric values.

```
DIVISION ::= "(\\/)"
```

## GREATER\_THAN

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The great-than comparison operator '>' for numeric values.

```
GREATER_THAN ::= "(\\>)"
```

## LESS\_THAN

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The less-than comparison operator '<' for numeric values.

```
LESS_THAN ::= "(\\<)"
```

## MODULO

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The modulo arithmetic operator '%' for numeric values.

```
MODULO ::= "(\\%)"
```

## MULTIPLICATION

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The multiplication division operator '/' for numeric values.

```
MULTIPLICATION ::= "(\\*)"
```

## TO\_THE\_POWER

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The exponential operator '^' for numeric values.

```
TO_THE_POWER ::= "(\\^)"
```

## SUBTRACTION

[Return to SINGLE\\_CHARACTER\\_OPERATORS](#)

The subtraction arithmetic operator '-' for numeric values

```
SUBTRACTION ::= "(\\-)"
```

## Inclusive List

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The following are the Single Characters

```
MULTI_CHARACTER_OPERATORS
 ::= ADDITION
    | DIVISION
    | GREATER_THAN
    | LESS_THAN
    | MODULO
    | MULTIPLICATION
```

| TO\_THE\_POWER  
| SUBTRACTION

```
::= "[\(\)\[\]\{\}\%\/\*\+\-\<\>=\:\&\|\^\]"
```

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