

```
a + b + c
'Output': 'ILoveYou'

# let's add some space
a + ' ' + b + ' ' + c
```

## Arithmetic and Boolean Operations

This section introduces operators for programming arithmetic and logical constructs.

### Arithmetic Operations

In Python, we can operate on data using familiar algebra operations such as addition +, subtraction -, multiplication \*, division /, and exponentiation \*\*.

```
2 + 2      # addition
'Output': 4

5 - 3      # subtraction
'Output': 2

4 * 4      # multiplication
'Output': 16

10 / 2     # division
'Output': 5.0

2**4 / (5 + 3)  # use brackets to enforce precedence
'Output': 2.0
```

### Boolean Operations

Boolean operations evaluate to True or False. Boolean operators include the comparison and logical operators. The comparison operators include less than or equal to <=, less than <, greater than or equal to >=, greater than >, not equal to !=, and equal to ==.

```
2 < 5
'Output': True

2 <= 5
'Output': True
```