

Cheat sheet: Basic scalar data types (#1)

Scalar immutable data types

float 0.1, 3.9E-12
complex 3.0 + 1.2j
int 3, -2, ...
bool True, False
string "string", """Multiline string"""

Arithmetic operators

+ - * / usual arithmetic operators
//, % integer division, remainder
** power

Relational operators

==, !=, <, <=, >, >=

Assignment

= (Aliasing!)

String indexing

str[pos], str[lower:upper:incr]

0-based indexing

lower – incl., upper – excl.

Def.: lower=0, upper=len(str), incr=1

String concatenation *str1 + str2*

String repetition *str * 3*

Type conversion

int(), float(), complex(), str()

Read user input `input("Prompt:")`

String formatting

`f"{expr:form}"`

`"{:form}".format(expr)`

Cheat sheet: Basic scalar data types (#2)

Format specifiers

:Wd Integer number

:W.Pf Float point, fixed notation

:W.PE Float, exponential notation

:W.PG :f or :e depending on value

:Ws string

W width, *P* precision