## Cheatography

### Python Format String Syntax Cheat Sheet by maschmidt2 via cheatography.com/55759/cs/14818/

#### Basic

- { [field\_name] [! conversion] [: format\_spec] }
- field\_name variable name
- conversion pre-convert the variable
- format\_spec: format the output

#### Conversion

Туре

f/F

d

%

b

0

x/X e/E

g / G

n

С

S	Calls str()
r	Calls repr()

a Calls ascii()

Floating point

Percentage

Exponential

number (generic)

character (unicode)

Binary

Octal Hex

Integer (decimal - default for int)

Examples	
'{:-<10}'.format('abc')	'abc'
'{:,.2f}'.format(12345.6789)	'12,345.68'

#### Format Specification

: [align][sign][width][options][.precision][type]

#### Align

- fill Any character to fill any extra space (precedes the alignment character)
- < left-aligned (default for objects)
- > right-aligned (default for numbers)
- ^ centered
- = fill space between sign and number

#### Sign

- + both positive and negative sign are shown
- only negative sign is shown
- " " space for positive, "-" for negative

#### Options

- # Alternate form (\*before width)
- , Adds "," as thousands separator
- \_ Adds "\_" as thousands separator

# C

By maschmidt2

General (default for float)

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