Cheat sheet: Functions

Function definition

```
def functionname(
    arg, …, *args,
    kwarg=defaultvalue, …, **kwargs
):
    """Documentation …"""
    …
    return result
```

*args   Rem. positional args as tuple
**kwargs   Rem. keywords args as dict

Function without return → **None**

Function call

```
fname(arg, …, kwarg=kwvalue, …)
```

None (singleton)

item **is** None, *item* **is not** None

Comparison

==, */=*	checking on value
is, **is not**	checking on identity
	(same object in mem.?)

Type hints

```
variable : variabletype = value
def functionname(
    arg : argtype, …
    kwarg : kwargtype = defval, …
) -> returntype:
```