

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

| | |
|-------------------------|--|
| <code>==, !=</code> | checking on value |
| <code>is, is not</code> | checking on identity (same object in mem.?) |

Type hints

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