

# Akademia Pythona

Materiały uzupełniające

KN Pythona wita na kursie Pythona.

Plan:

- Nowości w Pythonie 3.8

## Walrus operator

```
if (n := len(a)) > 10:  
    print(f"List is too long ({n} elements,  
        expected <= 10)")
```

## Walrus operator

```
discount = 0.0
if (mo := re.search(r'(\d+)% discount', advertisement)):
    discount = float(mo.group(1)) / 100.0
```

## Walrus operator

```
# Loop over fixed length blocks  
while (block := f.read(256)) != '':  
    process(block)
```

## Walrus operator

```
[clean_name.title() for name in names  
if (clean_name := normalize('NFC', name))  
in allowed_names]
```

Positional only arguments

```
def f(a, b, /, c, d, *, e, f):  
    print(a, b, c, d, e, f)
```

Positional only arguments

```
def pow(x, y, z=None, /):  
    "Emulate the built in pow() function"  
    r = x ** y  
    return r if z is None else r%z
```