

# Python

...für Anfänger

## Unit 6

by

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# Zahlensysteme in Python

```
>>> 0b1111
15
>>> 0o77
63
>> 0xFF
255
>>> int("1111", 2)
15
>>> bin(15)
'0b1111'
>>> oct(63)
'0o77'
>>> hex(255)
'0xff'
```

# Defaultwerte für Parameter

```
>>> def sum(a, b=0, c=0, d=0, e=0):  
...     return a + b + c + d + e  
...  
>>> sum(1)  
1  
>>> sum(1, 2, 3)  
6
```

# Exceptions - 1

```
>>> def div(a, b):  
...     return a / b  
...
```

```
>>> div(1, 0)
```

Traceback (most recent call last):

File "<stdin>", line 1, in <module>

File "<stdin>", line 2, in div

**ZeroDivisionError**: division by zero

# Exceptions - 2

```
>>> def div(a, b):  
...     """Return a / b for natural numbers a,b.  
...  
...     If b is equal to zero then return -1.  
...     """  
...     try:  
...         return a / b  
...     except:  
...         return -1  
...  
>>> div(1, 0)  
-1
```