

L^AT_EX

Python Notizen

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Zusammenfassung

»Die Mathematik ist die Sprache der Natur, ihre Buchstaben sind Dreiecke,
Kreise und andere Figuren.«

– Galileo Galilei

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1 Checkliste

✓ keywords

2 keywords

2.1 boolean true false

```
# boolean true, false
log_var1 = True == (1 > 2) # False
log_var2 = True == (2 > 1) # True
```

2.2 and or not

```
# and, or, not
log_var3 = True and True # True
log_var4 = True or False # True
log_var5 = not False # True
```

2.3 break continue

```
# break, continue
while True:
    break # ende
    continue # abbruch
```

2.4 class

```
# class
#class Coffee:
    # Define your class
```

2.5 funktion

```
def say_hi():
    print("hi")
```

```
say_hi()
```

2.6 if elif else

```
x = int(input("Eingabe Zahl: "))
if x > 3: print("Big")
elif x == 3: print("3")
else: print("Small")
```

2.7 for while

```
# For
for i in [0,1,2]:
    print(i)

# While
j = 0
while j < 3:
    print(j); j = j + 1
```

2.8 in

```
# in
liste = [2, 39, 42]
log_var6 = 42 in liste # True
log_var6
```

2.9 is

```
# is
y = x = 3
log_var7 = x is y # True
```

2.10 None

```
# None
print() is None # True
```

2.11 lambda

```
# lambda
(lambda x: x+3)(2) # 5
```

2.12 **return**

```
# return  
def increment(x):  
    return x + 1
```

```
increment(4) # returns 5
```

